BRIGHT-TOOLS

# CNC TOOLING SYSTEM

## 金杰数控刀具

山东金杰机械有限公司

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# 金杰数控刀具

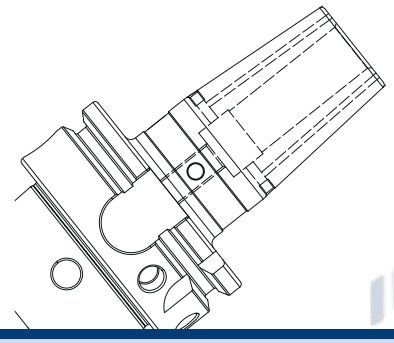
# BRIGHT-TOOLS Display



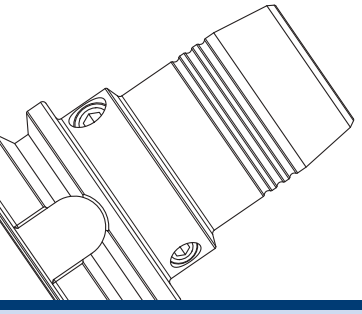
Certificates: ISO 9001, ISO 14001, ISO 45001;
Honors: Integrity Company, High-Tech Enterprises, Specialized New Enterprise, Engineering Technology Research Center;
Customers: Exporting to 60 countries, cooperating with global top brands.

证书：ISO 9001, ISO 14001, ISO 45001；
荣誉：诚信企业；专精特新企业；高新技术企业；工程技术研究中心；
营销网络：产品出口至 60 多个国家，与多家世界一线品牌合作。

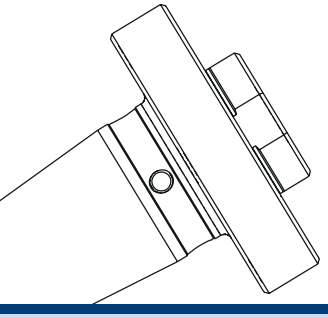
# CONTENTS 目录



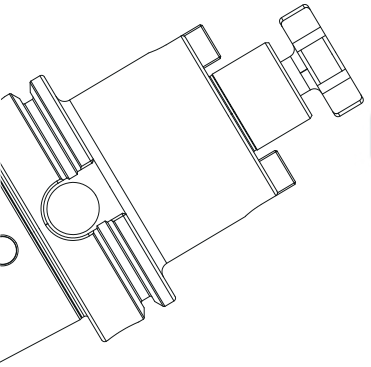
Shrink Fit Chuck.....A.01-A.197
热缩刀柄



HYDRAULIC CHUCK.....B.01-B.44
液压刀柄



MOD TOOL HORIDER.....C.01-C.05
MOD 系列刀柄

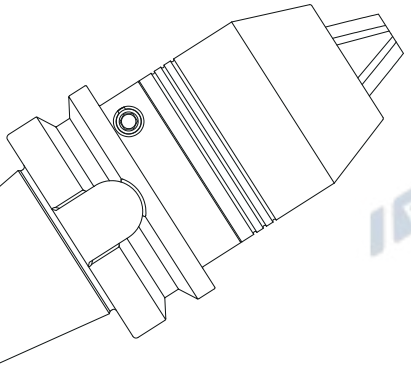


JIS B 6339 BT BBT NBT.....D.01-D.62
BT 工具系统

DIN 69871 SK ISO .....E.01-E.38
SK 工具系统

ANSI B5.50 CAT SCAT.....F.01-F.28
CAT 工具系统

DIN 69893 (ISO 12164) HSK.....G.01-G.78
HSK-A/E/F/T 工具系统



DIN 2080 NT.....H.01-H.12
NT 工具系统

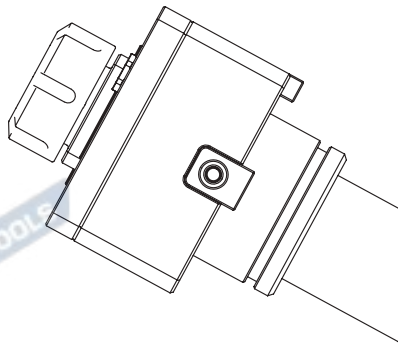
GOST 25827-93.....I.01-I.12
GOST 工具系统

# CONTENTS 目录

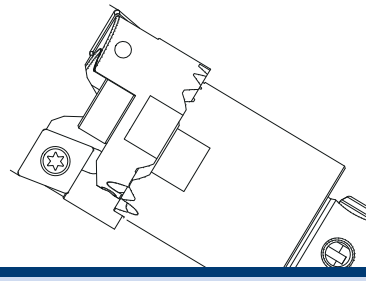
DIN 69880 VDI TOOL HOLDERS.....J.01-J.46
VDI 工具系统

BMT TOOL HOLDERS.....K.01-K.12
BMT 工具系统

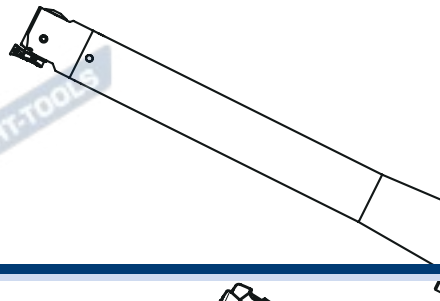
DRIVEN TOOLS.....L.01-L.18
DRIVEN 工具系统



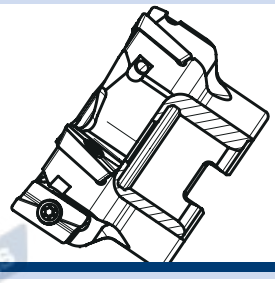
BORING SYSTEM.....M.01-M.35
镗刀系统



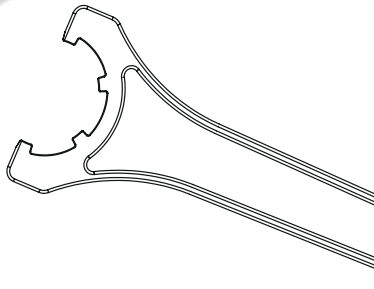
ANTI-VIBRATION.....N.01-N.05
抗震系统



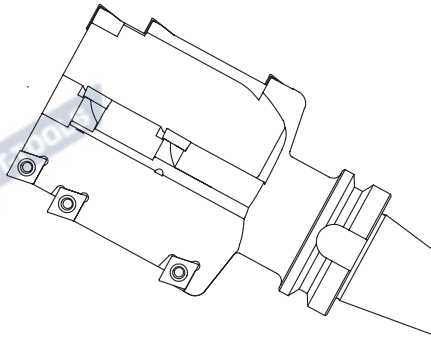
MILLING CUTTERS.....O.01-O.09
铣刀盘铣刀杆



ACCESSORY.....P.01-P.72
附 件



SPECIAL.....Q.01-Q.06
非标定制



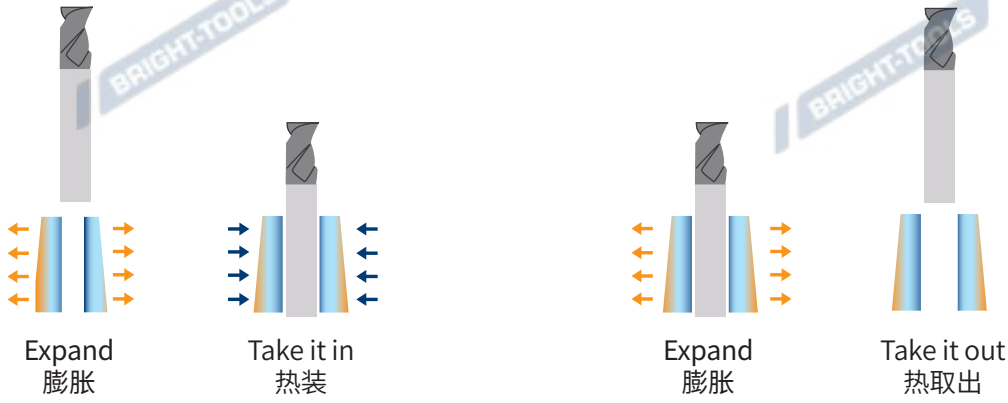
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# SHRINK

## TOOL HOLDERS

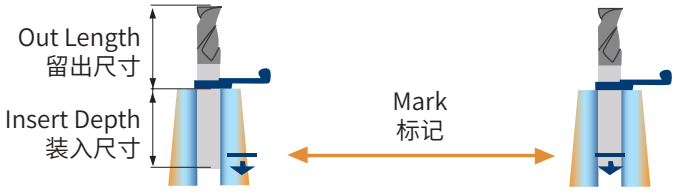
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# Shrink Fit Chuck Working Principle
# 热缩刀柄的工作原理




## Loading
## 装刀






Set the Out Length or Insert depth
设定刀具留出长度或者装入长度

The mark is the minimum depth, and the depth must exceed the mark.
标记处为最低深入长度，装入长度一定要超过所做标记。

## Unloading
## 卸刀



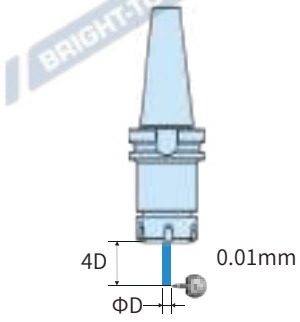

Leave a gap and install an anti-falling handle
留出间隔，安装防脱把手

Take it out and uninstall it.
拿出，卸载完成

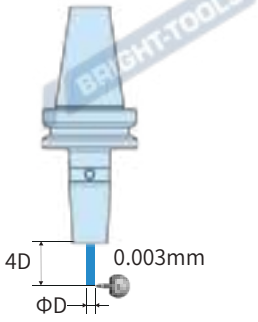
# Shrink Fit Chuck Advantages
# 热缩刀柄加工优势

## High Precision 高精度

Collet Chuck ER 刀柄




Shrink Fit Chuck 热缩刀柄




## High Clamping Force 高夹持力

Collet Chuck ER 刀柄



Elastic Deformation
通过 ER 筒夹内部的变形来夹持刀具

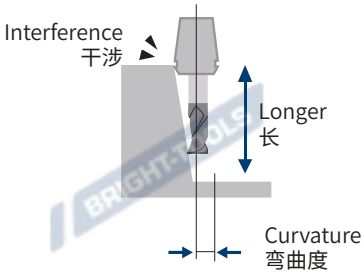
Shrink Fit Chuck 热缩刀柄



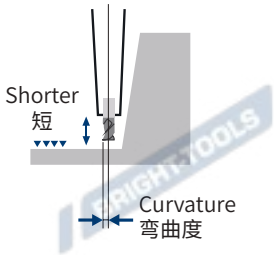
Thermal Expansion Contractility
利用了热胀冷缩的原理来增加和稳定夹持力

## Deep Cavity Machining 深孔加工 防干涉

Collet Chuck ER 刀柄




Shrink Fit Chuck 热缩刀柄




# Shrink Fit Chuck Coolant Outlet Method
# 热缩刀柄出水方式

AD 中心出水



Face Outlet 端面出水



AD+B 中心 + 法兰出水



# SHRINK TOOLING SYSTEM
# 热缩工具系统

**SHRINK FIT 模具钢热缩**

BT Shrink Fit Chuck, Standard, 4.5° .....A.06
BT 热缩刀柄，标准型
BBT Shrink Fit Chuck, Standard, 4.5° .....A.11
BBT 热缩刀柄，标准型
SK Shrink Fit Chuck, Standard, 4.5° .....A.14
SK 热缩刀柄，标准型
CAT Shrink Fit Chuck, Standard, 4.5° .....A.18
CAT 热缩刀柄，标准型
HSK-A Shrink Fit Chuck, Standard, 4.5° .....A.23
HSK-A 热缩刀柄，标准型
HSK-E Shrink Fit Chuck, Standard, 4.5° .....A.30
HSK-E 热缩刀柄，标准型
HSK-F Shrink Fit Chuck, Standard, 4.5° .....A.32
HSK-F 热缩刀柄，标准型
BT Shrink Fit Chuck, 4.5°, Coolant ..... A.34
BT 热缩刀柄 , 端面出水型
BBT Shrink Fit Chuck, 4.5°, Coolant ..... A.36
BBT 热缩刀柄 , 端面出水型
SK Shrink Fit Chuck, 4.5°, Coolant ..... A.38
SK 热缩刀柄 , 端面出水型
CAT Shrink Fit Chuck, 4.5°, Coolant ..... A.40
CAT 热缩刀柄 , 端面出水型
HSK Shrink Fit Chuck, 4.5°, Coolant ..... A.45
HSK 热缩刀柄 , 端面出水型
MQL1 Shrink Fit Chuck ..... A.50
微润滑单通道热缩刀柄
MQL2 Shrink Fit Chuck ..... A.53
微润滑双通道热缩刀柄
BT Shrink Fit Chuck, Slim, 3° .....A.60
BT 热缩刀柄 3 度，细长型
SK Shrink Fit Chuck, Slim, 3° ..... A.61
SK 热缩刀柄 3 度，细长型
CAT Shrink Fit Chuck, Slim, 3° ..... A.62
CAT 热缩刀柄 3 度，细长型
HSK-A Shrink Fit Chuck, Slim, 3° ..... A.63
HSK-A 热缩刀柄 3 度，细长型
HSK-E Shrink Fit Chuck, Slim, 3° ..... A.65
HSK-E 热缩刀柄 3 度，细长型
Shrink Fit Extension, 3°.....A.67
3° 直柄热缩延长杆
Shrink Fit ER Collet.....A.70
ER 热缩夹头
Shrink Fit ER Collet Extension.....A.71
ER 热缩延长杆
Shrink Chuck Set.....A.72
热缩刀柄套装
MQL1 Channel Length Setting Screws.....A.73
微润滑单通道长度调节螺钉
MQL2 Channel Length Setting Screws.....A.60
微润滑双通道长度调节螺钉
MQL1 Channel Coolant Supply Set.....A.77
微润滑单通道冷却导管
MQL2 Channel Coolant Supply Set.....A.78
微润滑双通道冷却导管

**MODULAR SHRINK 分体热缩**

BT Shrink Chuck Taper .....A.83
BT 分体热缩本体 , 标准型
SK Shrink Chuck Taper .....A.84
SK 分体热缩本体 , 标准型
HSK-A Shrink Chuck Taper .....A.85
HSK-A 分体热缩本体 , 标准型
HSK-E Shrink Chuck Taper .....A.86
HSK-E 分体热缩本体 , 标准型
HSK-F Shrink Chuck Taper .....A.87
HSK-F 分体热缩本体 , 标准型
BT Shrink Chuck Taper, Coooolant.....A.88
BT 分体热缩本体 , 端面出水型
SK Shrink Chuck Taper, Coooolant.....A.88
SK 分体热缩本体 , 端面出水型
HSK Shrink Chuck Taper, Coooolant.....A.89
HSK 分体热缩本体 , 端面出水型
Shrink Chuck Extension Slim.....A.90
分体热缩延长杆 , 细长型
Shrink Chuck Extension, Standard.....A.92
分体热缩延长杆 , 标准型
Shrink Chuck Extension, Coolant.....A.93
分体热缩延长杆 , 端面出水型
Shrink Chuck Set.....A.94
热缩刀柄套装

**STAINLESS SHRINK 不锈钢热缩**

BT Shrink Chuck, 3°, Slim, Form A.....A.97
BT 热缩刀柄 3 度，薄壁 A 型
HSK Shrink Chuck, 3°, Slim, Form A.....A.103
HSK 热缩刀柄 3 度，薄壁 A 型
BT Shrink Chuck, 3°, Slim, Form B.....A.114
BT 热缩刀柄 3 度，薄壁 B 型
HSK Shrink Chuck, 3°, Slim, Form B.....A.122
HSK 热缩刀柄 3 度，薄壁 B 型
BT Shrink Chuck, 3°, Regular, Form A .....A.132
BT 热缩刀柄 3 度，标准 A 型
HSK Shrink Chuck, 3°, Regular, Form A .....A.136
HSK 热缩刀柄 3 度，标准 A 型
BT Shrink Chuck, 3°, Regular, Form B .....A.145
BT 热缩刀柄 3 度，标准 B 型
HSK Shrink Chuck, 3°, Regular, Form B .....A.151
HSK 热缩刀柄 3 度，标准 B 型
BT Shrink Chuck, 3°, Regular, Coolant.....A.159
BT 热缩刀柄 3 度，端面出水型
HSK Shrink Chuck, 3°, Regular, Coolant.....A.165
HSK 热缩刀柄 3 度，端面出水型
BT Shrink Chuck, Curved.....A.174
BT 热缩刀柄，曲线型
HSK Shrink Chuck, Curved.....A.181
HSK 热缩刀柄，曲线型

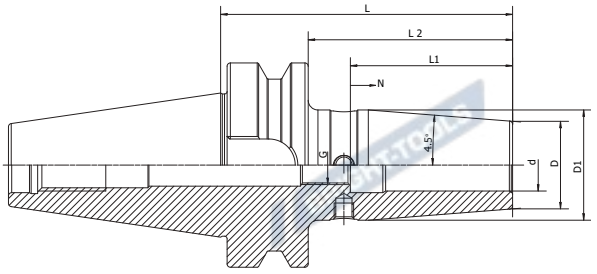
**SHRINK FIT MACHINES 热缩机**

Shrink Fit Machine, Standard.....A.196
热缩机，标准型
Shrink Fit Machine Cooling Version.....A.197
热缩机，水冷型

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



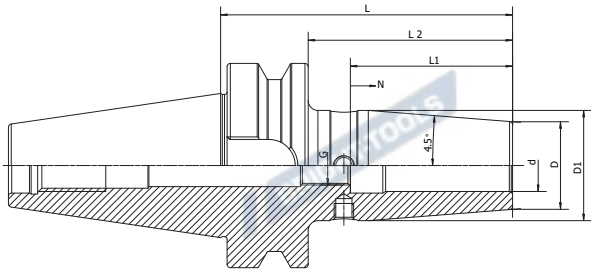



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BT30-SF03-80 | 03 | 15 | 20 | 80 | 58 | - | - | - |
| BT30-SF04-80 | 04 | 15 | 20 | 80 | 58 | - | - | - |
| BT30-SF05-80 | 05 | 15 | 20 | 80 | 58 | - | - | - |
| BT30-SF06-80 | 06 | 21 | 27 | 80 | 58 | 36 | 10 | M5 |
| BT30-SF08-80 | 08 | 21 | 27 | 80 | 58 | 36 | 10 | M6 |
| BT30-SF10-80 | 10 | 24 | 30.5 | 80 | 58 | 42 | 10 | M8x1 |
| BT30-SF12-80 | 12 | 24 | 30.5 | 80 | 58 | 47 | 10 | M10x1 |
| BT30-SF14-80 | 14 | 27 | 33.5 | 80 | 58 | 47 | 10 | M10x1 |
| BT30-SF16-80 | 16 | 27 | 33.5 | 80 | 58 | 50 | 10 | M12x1 |
| BT30-SF18-80 | 18 | 33 | 39.5 | 80 | 58 | 50 | 10 | M12x1 |
| BT30-SF20-80 | 20 | 33 | 39.5 | 80 | 58 | 52 | 10 | M16x1 |
| BT30-SF06-120 | 06 | 21 | 27 | 120 | 98 | 36 | 10 | M5 |
| BT30-SF08-120 | 08 | 21 | 27 | 120 | 98 | 36 | 10 | M6 |
| BT30-SF10-120 | 10 | 24 | 32 | 120 | 98 | 42 | 10 | M8x1 |
| BT30-SF12-120 | 12 | 24 | 32 | 120 | 98 | 47 | 10 | M10x1 |
| BT30-SF16-120 | 16 | 27 | 34 | 120 | 98 | 50 | 10 | M12x1 |
| BT30-SF20-120 | 20 | 33 | 42 | 120 | 98 | 52 | 10 | M16x1 |
| | | | | | | | | |
| BT40-SF03-80 | 03 | 15 | 20 | 80 | 53 | - | - | - |
| BT40-SF04-80 | 04 | 15 | 20 | 80 | 53 | - | - | - |
| BT40-SF05-80 | 05 | 15 | 20 | 80 | 53 | - | - | - |
| BT40-SF06-90 | 06 | 21 | 27 | 90 | 63 | 36 | 10 | M5 |
| BT40-SF08-90 | 08 | 21 | 27 | 90 | 63 | 36 | 10 | M6 |
| BT40-SF10-90 | 10 | 24 | 31 | 90 | 63 | 42 | 10 | M8x1 |
| BT40-SF12-90 | 12 | 24 | 31 | 90 | 63 | 47 | 10 | M10x1 |
| BT40-SF14-90 | 14 | 27 | 34 | 90 | 63 | 47 | 10 | M10x1 |
| BT40-SF16-90 | 16 | 27 | 34 | 90 | 63 | 50 | 10 | M12x1 |
| BT40-SF18-90 | 18 | 33 | 40 | 90 | 63 | 50 | 10 | M12x1 |
| BT40-SF20-90 | 20 | 33 | 40 | 90 | 63 | 52 | 10 | M16x1 |
| BT40-SF25-100 | 25 | 44 | 53 | 100 | 73 | 58 | 10 | M16x1 |
| BT40-SF32-100 | 32 | 44 | 53 | 100 | 73 | 62 | 10 | M16x1 |
| BT40-SF03-120 | 03 | 15 | 20 | 120 | 93 | - | - | - |
| BT40-SF04-120 | 04 | 15 | 20 | 120 | 93 | - | - | - |
| BT40-SF05-120 | 05 | 15 | 20 | 120 | 93 | - | - | - |
| BT40-SF06-120 | 06 | 21 | 27 | 120 | 93 | 36 | 10 | M5 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



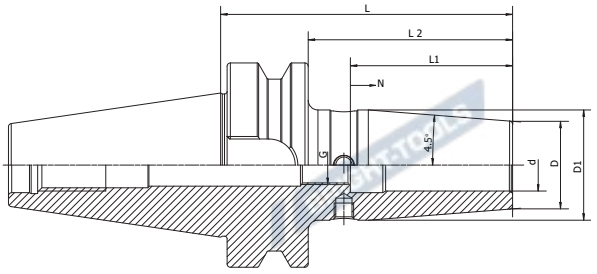



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BT40-SF08-120 | 08 | 21 | 27 | 120 | 93 | 36 | 10 | M6 |
| BT40-SF10-120 | 10 | 24 | 32 | 120 | 93 | 42 | 10 | M8x1 |
| BT40-SF12-120 | 12 | 24 | 32 | 120 | 93 | 47 | 10 | M10x1 |
| BT40-SF14-120 | 14 | 27 | 34 | 120 | 93 | 47 | 10 | M10x1 |
| BT40-SF16-120 | 16 | 27 | 34 | 120 | 93 | 50 | 10 | M12x1 |
| BT40-SF18-120 | 18 | 33 | 42 | 120 | 93 | 50 | 10 | M12x1 |
| BT40-SF20-120 | 20 | 33 | 42 | 120 | 93 | 52 | 10 | M16x1 |
| BT40-SF25-120 | 25 | 44 | 53 | 120 | 93 | 58 | 10 | M16x1 |
| BT40-SF32-120 | 32 | 44 | 53 | 120 | 93 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BT40-SF03-160 | 03 | 15 | 25 | 160 | 133 | - | - | - |
| BT40-SF04-160 | 04 | 15 | 25 | 160 | 133 | - | - | - |
| BT40-SF05-160 | 05 | 15 | 25 | 160 | 133 | - | - | - |
| BT40-SF06-160 | 06 | 21 | 32 | 160 | 133 | 36 | 10 | M5 |
| BT40-SF08-160 | 08 | 21 | 32 | 160 | 133 | 36 | 10 | M6 |
| BT40-SF10-160 | 10 | 24 | 34 | 160 | 133 | 42 | 10 | M8x1 |
| BT40-SF12-160 | 12 | 24 | 34 | 160 | 133 | 47 | 10 | M10x1 |
| BT40-SF14-160 | 14 | 27 | 42 | 160 | 133 | 47 | 10 | M10x1 |
| BT40-SF16-160 | 16 | 27 | 42 | 160 | 133 | 50 | 10 | M12x1 |
| BT40-SF18-160 | 18 | 33 | 51 | 160 | 133 | 50 | 10 | M12x1 |
| BT40-SF20-160 | 20 | 33 | 51 | 160 | 133 | 52 | 10 | M16x1 |
| BT40-SF25-160 | 25 | 44 | 53 | 160 | 133 | 58 | 10 | M16x1 |
| BT40-SF32-160 | 32 | 44 | 60 | 160 | 133 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BT40-SF06-200 | 06 | 21 | 32 | 200 | 173 | 36 | 10 | M5 |
| BT40-SF08-200 | 08 | 21 | 32 | 200 | 173 | 36 | 10 | M6 |
| BT40-SF10-200 | 10 | 24 | 34 | 200 | 173 | 42 | 10 | M8x1 |
| BT40-SF12-200 | 12 | 24 | 34 | 200 | 173 | 47 | 10 | M10x1 |
| BT40-SF14-200 | 14 | 27 | 42 | 200 | 173 | 47 | 10 | M10x1 |
| BT40-SF16-200 | 16 | 27 | 42 | 200 | 173 | 50 | 10 | M12x1 |
| BT40-SF18-200 | 18 | 33 | 51 | 200 | 173 | 50 | 10 | M12x1 |
| BT40-SF20-200 | 20 | 33 | 51 | 200 | 173 | 52 | 10 | M16x1 |
| BT40-SF25-200 | 25 | 44 | 53 | 200 | 173 | 58 | 10 | M16x1 |
| BT40-SF32-200 | 32 | 44 | 60 | 200 | 173 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



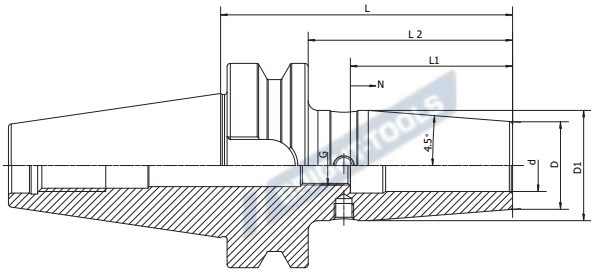



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BT50-SF03-100 | 03 | 15 | 20 | 100 | 62 | - | - | - |
| BT50-SF04-100 | 04 | 15 | 20 | 100 | 62 | - | - | - |
| BT50-SF05-100 | 05 | 15 | 20 | 100 | 62 | - | - | - |
| BT50-SF06-100 | 06 | 21 | 27 | 100 | 62 | 36 | 10 | M5 |
| BT50-SF08-100 | 08 | 21 | 27 | 100 | 62 | 36 | 10 | M6 |
| BT50-SF10-100 | 10 | 24 | 30.5 | 100 | 62 | 42 | 10 | M8x1 |
| BT50-SF12-100 | 12 | 24 | 30.5 | 100 | 62 | 47 | 10 | M10x1 |
| BT50-SF14-100 | 14 | 27 | 34 | 100 | 62 | 47 | 10 | M10x1 |
| BT50-SF16-100 | 16 | 27 | 34 | 100 | 62 | 50 | 10 | M12x1 |
| BT50-SF18-100 | 18 | 33 | 40 | 100 | 62 | 50 | 10 | M12x1 |
| BT50-SF20-100 | 20 | 33 | 40 | 100 | 62 | 52 | 10 | M16x1 |
| | | | | | | | | |
| BT50-SF03-120 | 03 | 15 | 20 | 120 | 82 | - | - | - |
| BT50-SF04-120 | 04 | 15 | 20 | 120 | 82 | - | - | - |
| BT50-SF05-120 | 05 | 15 | 20 | 120 | 82 | - | - | - |
| BT50-SF06-120 | 06 | 21 | 27 | 120 | 82 | 36 | 10 | M5 |
| BT50-SF08-120 | 08 | 21 | 27 | 120 | 82 | 36 | 10 | M6 |
| BT50-SF10-120 | 10 | 24 | 32 | 120 | 82 | 42 | 10 | M8x1 |
| BT50-SF12-120 | 12 | 24 | 32 | 120 | 82 | 47 | 10 | M10x1 |
| BT50-SF14-120 | 14 | 27 | 34 | 120 | 82 | 47 | 10 | M10x1 |
| BT50-SF16-120 | 16 | 27 | 34 | 120 | 82 | 50 | 10 | M12x1 |
| BT50-SF18-120 | 18 | 33 | 42 | 120 | 82 | 50 | 10 | M12x1 |
| BT50-SF20-120 | 20 | 33 | 42 | 120 | 82 | 52 | 10 | M16x1 |
| BT50-SF25-120 | 25 | 44 | 53 | 120 | 82 | 58 | 10 | M16x1 |
| BT50-SF32-120 | 32 | 44 | 53 | 120 | 82 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



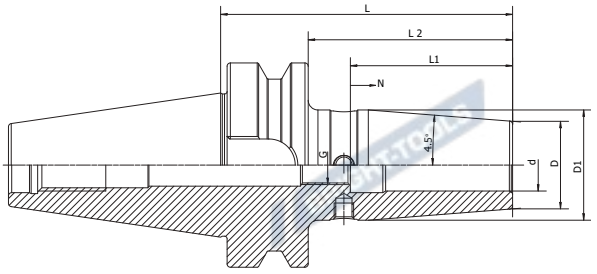



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BT50-SF03-160 | 03 | 15 | 25 | 160 | 122 | - | - | - |
| BT50-SF04-160 | 04 | 15 | 25 | 160 | 122 | - | - | - |
| BT50-SF05-160 | 05 | 15 | 25 | 160 | 122 | - | - | - |
| BT50-SF06-160 | 06 | 21 | 32 | 160 | 122 | 36 | 10 | M5 |
| BT50-SF08-160 | 08 | 21 | 32 | 160 | 122 | 36 | 10 | M6 |
| BT50-SF10-160 | 10 | 24 | 34 | 160 | 122 | 42 | 10 | M8x1 |
| BT50-SF12-160 | 12 | 24 | 34 | 160 | 122 | 47 | 10 | M10x1 |
| BT50-SF14-160 | 14 | 27 | 42 | 160 | 122 | 47 | 10 | M10x1 |
| BT50-SF16-160 | 16 | 27 | 42 | 160 | 122 | 50 | 10 | M12x1 |
| BT50-SF18-160 | 18 | 33 | 49 | 160 | 122 | 50 | 10 | M12x1 |
| BT50-SF20-160 | 20 | 33 | 49 | 160 | 122 | 52 | 10 | M16x1 |
| BT50-SF25-160 | 25 | 44 | 60 | 160 | 122 | 58 | 10 | M16x1 |
| BT50-SF32-160 | 32 | 44 | 60 | 160 | 122 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BT50-SF06-200 | 06 | 21 | 32 | 200 | 162 | 36 | 10 | M5 |
| BT50-SF08-200 | 08 | 21 | 32 | 200 | 162 | 36 | 10 | M6 |
| BT50-SF10-200 | 10 | 24 | 34 | 200 | 162 | 42 | 10 | M8x1 |
| BT50-SF12-200 | 12 | 24 | 34 | 200 | 162 | 47 | 10 | M10x1 |
| BT50-SF14-200 | 14 | 27 | 42 | 200 | 162 | 47 | 10 | M10x1 |
| BT50-SF16-200 | 16 | 27 | 42 | 200 | 162 | 50 | 10 | M12x1 |
| BT50-SF18-200 | 18 | 33 | 51 | 200 | 162 | 50 | 10 | M12x1 |
| BT50-SF20-200 | 20 | 33 | 51 | 200 | 162 | 52 | 10 | M16x1 |
| BT50-SF25-200 | 25 | 44 | 60 | 200 | 162 | 58 | 10 | M16x1 |
| BT50-SF32-200 | 32 | 44 | 60 | 200 | 162 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BT50-SF06-250 | 06 | 21 | 32 | 250 | 212 | 36 | 10 | M5 |
| BT50-SF08-250 | 08 | 21 | 32 | 250 | 212 | 36 | 10 | M6 |
| BT50-SF10-250 | 10 | 24 | 34 | 250 | 212 | 42 | 10 | M8x1 |
| BT50-SF12-250 | 12 | 24 | 34 | 250 | 212 | 47 | 10 | M10x1 |
| BT50-SF16-250 | 16 | 27 | 42 | 250 | 212 | 50 | 10 | M12x1 |
| BT50-SF18-250 | 18 | 33 | 51 | 250 | 212 | 50 | 10 | M12x1 |
| BT50-SF20-250 | 20 | 33 | 51 | 250 | 212 | 52 | 10 | M16x1 |
| BT50-SF25-250 | 25 | 44 | 60 | 250 | 212 | 58 | 10 | M16x1 |
| BT50-SF32-250 | 32 | 44 | 60 | 250 | 212 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





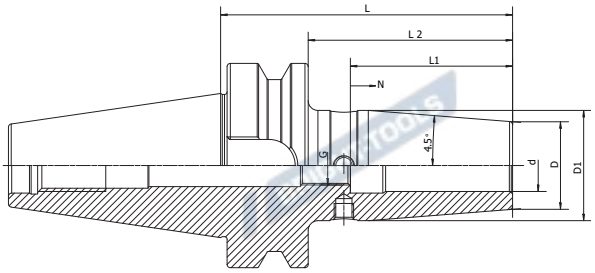

Inch

| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BT30-SF1/4"-3.15" | 1/4" | 0.83" | 1.06" | 3.15" | 2.28" | 1.42" | 0.39" | M5 |
| BT30-SF3/8"-3.15" | 3/8" | 0.95" | 1.26" | 3.15" | 2.28" | 1.65" | 0.39" | M8 x 1 |
| BT30-SF1/2"-3.15" | 1/2" | 0.94" | 1.34" | 3.15" | 2.28" | 1.85" | 0.39" | M10 x 1 |
| BT30-SF5/8"-3.15" | 5/8" | 1.06" | 1.34" | 3.15" | 2.28" | 1.97" | 0.39" | M12 x 1 |
| BT30-SF3/4"-3.15" | 3/4" | 1.29" | 1.62" | 3.15" | 2.28" | 2.04" | 0.39" | M16 x 2.0 |
| | | | | | | | | |
| BT40-SF3/16"-3.54 | 3/16" | 0.43" | 0.75" | 3.54" | 2.67" | 0.79" | - | M6 x 1.0 |
| BT40-SF1/4"-3.54 | 1/4" | 0.82" | 1.06" | 3.54" | 2.67" | 1.42" | 0.39" | M5 x 0.8 |
| BT40-SF3/8"-3.54 | 3/8" | 0.94" | 1.25" | 3.54" | 2.67" | 1.65" | 0.39" | - |
| BT40-SF1/2"-3.54 | 1/2" | 1.10" | 1.34" | 3.54" | 2.67" | 1.85" | 0.39" | M10 x 1.5 |
| BT40-SF5/8"-3.54 | 5/8" | 1.06" | 1.34" | 3.54" | 2.67" | 1.96" | 0.39" | M12 x 1.75 |
| BT40-SF3/4"-3.54 | 3/4" | 1.29" | 1.65" | 3.54" | 2.67" | 2.04" | 0.39" | M16 x 2.0 |
| BT40-SF1.0"-3.54 | 1.0" | 1.73" | 2.08" | 3.54" | 2.67" | 2.28" | 0.39" | M20 x 2.0 |
| BT40-SF1-1/4"-4.13 | 1-1/4" | 1.81″ | 2.08" | 4.13" | 3.26" | 2.28" | 0.39" | M20 x 2.0 |
| | | | | | | | | |
| BT40-SF1/8"-6.3" | 1/8" | 0.36" | 0.63" | 6" | 5.13" | 0.70" | - | M6 x 1.0 |
| BT40-SF3/16"-6.3" | 3/16" | 0.43" | 0.70" | 6" | 5.13" | 0.79" | - | M6 x 1.0 |
| BT40-SF1/4"-6.3" | 1/4" | 0.49" | 0.83" | 6" | 5.13" | 1.42" | 0.39" | M5 x 0.8 |
| BT40-SF3/8"-6.3" | 3/8" | 0.61" | 0.94" | 6" | 5.13" | 1.65" | 0.39" | M8 x 1.25 |
| BT40-SF1/2"-6.3" | 1/2" | 0.74" | 1.06" | 6" | 5.13" | 1.85" | 0.39" | M10 x 1.5 |
| BT40-SF5/8"-6.3" | 5/8" | 1.06" | 1.34" | 6" | 5.13" | 1.96" | 0.39" | M12 x 1.75 |
| BT40-SF3/4"-6.3" | 3/4" | 1.29" | 1.65" | 6" | 5.13" | 1.65" | 0.39" | M16 x 2.0 |
| BT40-SF1"-6.3" | 1" | 1.73" | 2.09" | 6" | 5.13" | 2.28" | 0.39" | M20 x 2.0 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



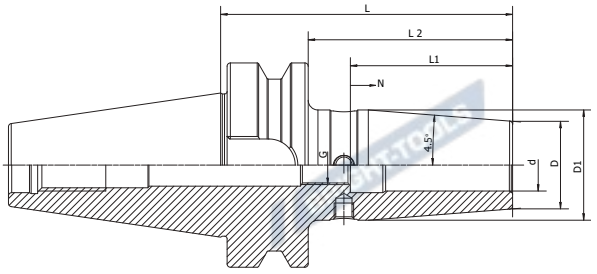



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BBT40-SF03-80 | 03 | 15 | 20 | 80 | 53 | - | - | - |
| BBT40-SF04-80 | 04 | 15 | 20 | 80 | 53 | - | - | - |
| BBT40-SF05-80 | 05 | 15 | 20 | 80 | 53 | - | - | - |
| BBT40-SF06-90 | 06 | 21 | 27 | 90 | 63 | 36 | 10 | M5 |
| BBT40-SF08-90 | 08 | 21 | 27 | 90 | 63 | 36 | 10 | M6 |
| BBT40-SF10-90 | 10 | 24 | 31 | 90 | 63 | 42 | 10 | M8x1 |
| BBT40-SF12-90 | 12 | 24 | 31 | 90 | 63 | 47 | 10 | M10x1 |
| BBT40-SF14-90 | 14 | 27 | 34 | 90 | 63 | 47 | 10 | M10x1 |
| BBT40-SF16-90 | 16 | 27 | 34 | 90 | 63 | 50 | 10 | M12x1 |
| BBT40-SF18-90 | 18 | 33 | 40 | 90 | 63 | 50 | 10 | M12x1 |
| BBT40-SF20-90 | 20 | 33 | 40 | 90 | 63 | 52 | 10 | M16x1 |
| BBT40-SF25-100 | 25 | 44 | 53 | 100 | 73 | 58 | 10 | M16x1 |
| BBT40-SF32-100 | 32 | 44 | 53 | 100 | 73 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BBT40-SF03-120 | 03 | 15 | 20 | 120 | 93 | - | - | - |
| BBT40-SF04-120 | 04 | 15 | 20 | 120 | 93 | - | - | - |
| BBT40-SF05-120 | 05 | 15 | 20 | 120 | 93 | - | - | - |
| BBT40-SF06-120 | 06 | 21 | 27 | 120 | 93 | 36 | 10 | M5 |
| BBT40-SF08-120 | 08 | 21 | 27 | 120 | 93 | 36 | 10 | M6 |
| BBT40-SF10-120 | 10 | 24 | 32 | 120 | 93 | 42 | 10 | M8x1 |
| BBT40-SF12-120 | 12 | 24 | 32 | 120 | 93 | 47 | 10 | M10x1 |
| BBT40-SF14-120 | 14 | 27 | 34 | 120 | 93 | 47 | 10 | M10x1 |
| BBT40-SF16-120 | 16 | 27 | 34 | 120 | 93 | 50 | 10 | M12x1 |
| BBT40-SF18-120 | 18 | 33 | 42 | 120 | 93 | 50 | 10 | M12x1 |
| BBT40-SF20-120 | 20 | 33 | 42 | 120 | 93 | 52 | 10 | M16x1 |
| BBT40-SF25-120 | 25 | 44 | 53 | 120 | 93 | 58 | 10 | M16x1 |
| BBT40-SF32-120 | 32 | 44 | 53 | 120 | 93 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



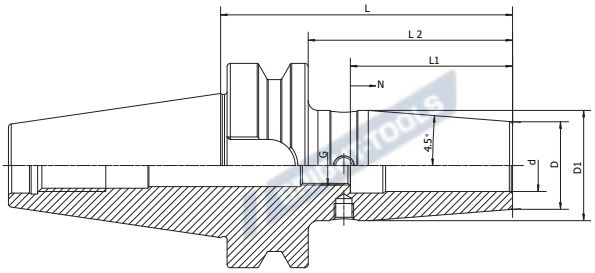



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BBT40-SF03-160 | 03 | 15 | 25 | 160 | 133 | - | - | - |
| BBT40-SF04-160 | 04 | 15 | 25 | 160 | 133 | - | - | - |
| BBT40-SF05-160 | 05 | 15 | 25 | 160 | 133 | - | - | - |
| BBT40-SF06-160 | 06 | 21 | 32 | 160 | 133 | 36 | 10 | M5 |
| BBT40-SF08-160 | 08 | 21 | 32 | 160 | 133 | 36 | 10 | M6 |
| BBT40-SF10-160 | 10 | 24 | 34 | 160 | 133 | 42 | 10 | M8x1 |
| BBT40-SF12-160 | 12 | 24 | 34 | 160 | 133 | 47 | 10 | M10x1 |
| BBT40-SF14-160 | 14 | 27 | 42 | 160 | 133 | 47 | 10 | M10x1 |
| BBT40-SF16-160 | 16 | 27 | 42 | 160 | 133 | 50 | 10 | M12x1 |
| BBT40-SF18-160 | 18 | 33 | 51 | 160 | 133 | 50 | 10 | M12x1 |
| BBT40-SF20-160 | 20 | 33 | 51 | 160 | 133 | 52 | 10 | M16x1 |
| BBT40-SF25-160 | 25 | 44 | 53 | 160 | 133 | 58 | 10 | M16x1 |
| BBT40-SF32-160 | 32 | 44 | 60 | 160 | 133 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BBT50-SF03-100 | 03 | 15 | 20 | 100 | 62 | - | - | - |
| BBT50-SF04-100 | 04 | 15 | 20 | 100 | 62 | - | - | - |
| BBT50-SF05-100 | 05 | 15 | 20 | 100 | 62 | - | - | - |
| BBT50-SF06-100 | 06 | 21 | 27 | 100 | 62 | 36 | 10 | M5 |
| BBT50-SF08-100 | 08 | 21 | 27 | 100 | 62 | 36 | 10 | M6 |
| BBT50-SF10-100 | 10 | 24 | 30.5 | 100 | 62 | 42 | 10 | M8x1 |
| BBT50-SF12-100 | 12 | 24 | 30.5 | 100 | 62 | 47 | 10 | M10x1 |
| BBT50-SF14-100 | 14 | 27 | 34 | 100 | 62 | 47 | 10 | M10x1 |
| BBT50-SF16-100 | 16 | 27 | 34 | 100 | 62 | 50 | 10 | M12x1 |
| BBT50-SF18-100 | 18 | 33 | 40 | 100 | 62 | 50 | 10 | M12x1 |
| BBT50-SF20-100 | 20 | 33 | 40 | 100 | 62 | 52 | 10 | M16x1 |
| BBT50-SF25-120 | 25 | 44 | 53 | 120 | 82 | 58 | 10 | M16x1 |
| BBT50-SF32-120 | 32 | 44 | 53 | 120 | 82 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



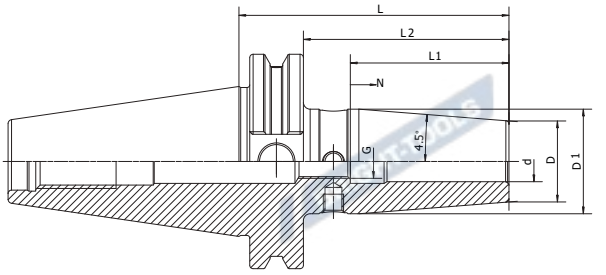



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BBT50-SF03-120 | 03 | 15 | 20 | 120 | 82 | - | - | - |
| BBT50-SF04-120 | 04 | 15 | 20 | 120 | 82 | - | - | - |
| BBT50-SF05-120 | 05 | 15 | 20 | 120 | 82 | - | - | - |
| BBT50-SF06-120 | 06 | 21 | 27 | 120 | 82 | 36 | 10 | M5 |
| BBT50-SF08-120 | 08 | 21 | 27 | 120 | 82 | 36 | 10 | M6 |
| BBT50-SF10-120 | 10 | 24 | 32 | 120 | 82 | 42 | 10 | M8x1 |
| BBT50-SF12-120 | 12 | 24 | 32 | 120 | 82 | 47 | 10 | M10x1 |
| BBT50-SF14-120 | 14 | 27 | 34 | 120 | 82 | 47 | 10 | M10x1 |
| BBT50-SF16-120 | 16 | 27 | 34 | 120 | 82 | 50 | 10 | M12x1 |
| BBT50-SF18-120 | 18 | 33 | 42 | 120 | 82 | 50 | 10 | M12x1 |
| BBT50-SF20-120 | 20 | 33 | 42 | 120 | 82 | 52 | 10 | M16x1 |
| | | | | | | | | |
| BBT50-SF03-160 | 03 | 15 | 25 | 160 | 122 | - | - | - |
| BBT50-SF04-160 | 04 | 15 | 25 | 160 | 122 | - | - | - |
| BBT50-SF05-160 | 05 | 15 | 25 | 160 | 122 | - | - | - |
| BBT50-SF06-160 | 06 | 21 | 32 | 160 | 122 | 36 | 10 | M5 |
| BBT50-SF08-160 | 08 | 21 | 32 | 160 | 122 | 36 | 10 | M6 |
| BBT50-SF10-160 | 10 | 24 | 34 | 160 | 122 | 42 | 10 | M8x1 |
| BBT50-SF12-160 | 12 | 24 | 34 | 160 | 122 | 47 | 10 | M10x1 |
| BBT50-SF14-160 | 14 | 27 | 42 | 160 | 122 | 47 | 10 | M10x1 |
| BBT50-SF16-160 | 16 | 27 | 42 | 160 | 122 | 50 | 10 | M12x1 |
| BBT50-SF18-160 | 18 | 33 | 49 | 160 | 122 | 50 | 10 | M12x1 |
| BBT50-SF20-160 | 20 | 33 | 49 | 160 | 122 | 52 | 10 | M16x1 |
| BBT50-SF25-160 | 25 | 44 | 60 | 160 | 122 | 58 | 10 | M16x1 |
| BBT50-SF32-160 | 32 | 44 | 60 | 160 | 122 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
## 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD/B |



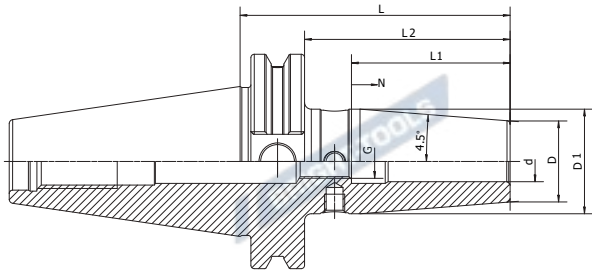



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| SK30-SF03-80 | 03 | 15 | 20 | 80 | 60.9 | - | - | - |
| SK30-SF04-80 | 04 | 15 | 20 | 80 | 60.9 | - | - | - |
| SK30-SF05-80 | 05 | 15 | 20 | 80 | 60.9 | - | - | - |
| SK30-SF06-80 | 06 | 21 | 27 | 80 | 60.9 | 36 | 10 | M5 |
| SK30-SF08-80 | 08 | 21 | 27 | 80 | 60.9 | 36 | 10 | M6 |
| SK30-SF10-80 | 10 | 24 | 32 | 80 | 60.9 | 42 | 10 | M8x1 |
| SK30-SF12-80 | 12 | 24 | 32 | 80 | 60.9 | 47 | 10 | M10x1 |
| SK30-SF14-80 | 14 | 27 | 34 | 80 | 60.9 | 47 | 10 | M10x1 |
| SK30-SF16-80 | 16 | 27 | 34 | 80 | 60.9 | 50 | 10 | M12x1 |
| SK30-SF18-80 | 18 | 33 | 42 | 80 | 60.9 | 50 | 10 | M12x1 |
| SK30-SF20-80 | 20 | 33 | 42 | 80 | 60.9 | 52 | 10 | M16x1 |
| | | | | | | | | |
| SK30-SF03-120 | 03 | 15 | 20 | 120 | 100.9 | - | - | - |
| SK30-SF04-120 | 04 | 15 | 20 | 120 | 100.9 | - | - | - |
| SK30-SF05-120 | 05 | 15 | 20 | 120 | 100.9 | - | - | - |
| SK30-SF06-120 | 06 | 21 | 27 | 120 | 100.9 | 36 | 10 | M5 |
| SK30-SF08-120 | 08 | 21 | 27 | 120 | 100.9 | 36 | 10 | M6 |
| SK30-SF10-120 | 10 | 24 | 32 | 120 | 100.9 | 42 | 10 | M8x1 |
| SK30-SF12-120 | 12 | 24 | 32 | 120 | 100.9 | 47 | 10 | M10x1 |
| SK30-SF16-120 | 16 | 27 | 34 | 120 | 100.9 | 50 | 10 | M12x1 |
| | | | | | | | | |
| SK40-SF03-80 | 03 | 15 | 20 | 80 | 60.9 | - | - | - |
| SK40-SF04-80 | 04 | 15 | 20 | 80 | 60.9 | - | - | - |
| SK40-SF05-80 | 05 | 15 | 20 | 80 | 60.9 | - | - | - |
| SK40-SF06-80 | 06 | 21 | 27 | 80 | 60.9 | 36 | 10 | M5 |
| SK40-SF08-80 | 08 | 21 | 27 | 80 | 60.9 | 36 | 10 | M6 |
| SK40-SF10-80 | 10 | 24 | 31 | 80 | 60.9 | 42 | 10 | M8x1 |
| SK40-SF12-80 | 12 | 24 | 31 | 80 | 60.9 | 47 | 10 | M10x1 |
| SK40-SF14-80 | 14 | 27 | 34 | 80 | 60.9 | 47 | 10 | M10x1 |
| SK40-SF16-80 | 16 | 27 | 34 | 80 | 60.9 | 50 | 10 | M12x1 |
| SK40-SF18-80 | 18 | 33 | 40 | 80 | 60.9 | 50 | 10 | M12x1 |
| SK40-SF20-80 | 20 | 33 | 40 | 80 | 60.9 | 52 | 10 | M16x1 |
| SK40-SF25-100 | 25 | 44 | 50 | 100 | 80.9 | 58 | 10 | M16x1 |
| SK40-SF32-100 | 32 | 44 | 50 | 100 | 80.9 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD/B |



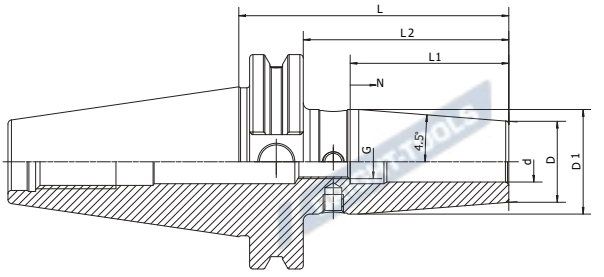



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| SK40-SF03-120 | 03 | 15 | 20 | 120 | 100.9 | - | - | - |
| SK40-SF04-120 | 04 | 15 | 20 | 120 | 100.9 | - | - | - |
| SK40-SF05-120 | 05 | 15 | 20 | 120 | 100.9 | - | - | - |
| SK40-SF06-120 | 06 | 21 | 27 | 120 | 100.9 | 36 | 10 | M5 |
| SK40-SF08-120 | 08 | 21 | 27 | 120 | 100.9 | 36 | 10 | M6 |
| SK40-SF10-120 | 10 | 24 | 32 | 120 | 100.9 | 42 | 10 | M8x1 |
| SK40-SF12-120 | 12 | 24 | 32 | 120 | 100.9 | 47 | 10 | M10x1 |
| SK40-SF14-120 | 14 | 27 | 34 | 120 | 100.9 | 47 | 10 | M10x1 |
| SK40-SF16-120 | 16 | 27 | 34 | 120 | 100.9 | 50 | 10 | M12x1 |
| SK40-SF18-120 | 18 | 31 | 42 | 120 | 100.9 | 50 | 10 | M12x1 |
| SK40-SF20-120 | 20 | 31 | 42 | 120 | 100.9 | 52 | 10 | M16x1 |
| SK40-SF25-120 | 25 | 44 | 50 | 120 | 100.9 | 58 | 10 | M16x1 |
| | | | | | | | | |
| SK40-SF03-160 | 03 | 15 | 20 | 160 | 140.9 | - | - | - |
| SK40-SF04-160 | 04 | 15 | 20 | 160 | 140.9 | - | - | - |
| SK40-SF05-160 | 05 | 15 | 20 | 160 | 140.9 | - | - | - |
| SK40-SF06-160 | 06 | 21 | 32 | 160 | 140.9 | 36 | 10 | M5 |
| SK40-SF08-160 | 08 | 21 | 32 | 160 | 140.9 | 36 | 10 | M6 |
| SK40-SF10-160 | 10 | 24 | 34 | 160 | 140.9 | 42 | 10 | M8x1 |
| SK40-SF12-160 | 12 | 24 | 34 | 160 | 140.9 | 47 | 10 | M10x1 |
| SK40-SF14-160 | 14 | 27 | 42 | 160 | 140.9 | 47 | 10 | M10x1 |
| SK40-SF16-160 | 16 | 27 | 42 | 160 | 140.9 | 50 | 10 | M12x1 |
| SK40-SF18-160 | 18 | 33 | 50 | 160 | 140.9 | 50 | 10 | M12x1 |
| SK40-SF20-160 | 20 | 33 | 50 | 160 | 140.9 | 52 | 10 | M16x1 |
| SK40-SF25-160 | 25 | 44 | 50 | 160 | 140.9 | 58 | 10 | M16x1 |
| SK40-SF32-160 | 32 | 44 | 50 | 160 | 140.9 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD/B |



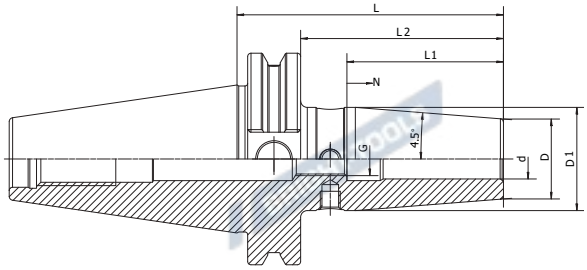



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| SK40-SF06-200 | 06 | 21 | 32 | 200 | 180.9 | 36 | 10 | M5 |
| SK40-SF08-200 | 08 | 21 | 32 | 200 | 180.9 | 36 | 10 | M6 |
| SK40-SF10-200 | 10 | 24 | 34 | 200 | 180.9 | 42 | 10 | M8x1 |
| SK40-SF12-200 | 12 | 24 | 34 | 200 | 180.9 | 47 | 10 | M10x1 |
| SK40-SF14-200 | 14 | 27 | 42 | 200 | 180.9 | 47 | 10 | M10x1 |
| SK40-SF16-200 | 16 | 27 | 42 | 200 | 180.9 | 50 | 10 | M12x1 |
| SK40-SF18-200 | 18 | 33 | 50 | 200 | 180.9 | 50 | 10 | M12x1 |
| SK40-SF20-200 | 20 | 33 | 50 | 200 | 180.9 | 52 | 10 | M16x1 |
| SK40-SF25-200 | 25 | 44 | 50 | 200 | 180.9 | 58 | 10 | M16x1 |
| SK40-SF32-200 | 32 | 44 | 50 | 200 | 180.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| SK50-SF06-80 | 06 | 21 | 27 | 80 | 60.9 | 36 | 10 | M5 |
| SK50-SF08-80 | 08 | 21 | 27 | 80 | 60.9 | 36 | 10 | M6 |
| SK50-SF10-80 | 10 | 24 | 31 | 80 | 60.9 | 42 | 10 | M8x1 |
| SK50-SF12-80 | 12 | 24 | 31 | 80 | 60.9 | 47 | 10 | M10x1 |
| SK50-SF14-80 | 14 | 27 | 34 | 80 | 60.9 | 47 | 10 | M10x1 |
| SK50-SF16-80 | 16 | 27 | 34 | 80 | 60.9 | 50 | 10 | M12x1 |
| SK50-SF18-80 | 18 | 33 | 40 | 80 | 60.9 | 50 | 10 | M12x1 |
| SK50-SF20-80 | 20 | 33 | 39.5 | 80 | 60.9 | 52 | 10 | M16x1 |
| SK50-SF25-90 | 25 | 44 | 52.5 | 90 | 70.9 | 58 | 10 | M16x1 |
| SK50-SF32-90 | 32 | 44 | 52.5 | 90 | 70.9 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD/B |



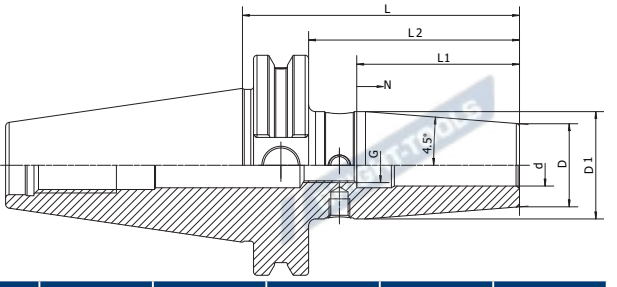



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| SK50-SF06-120 | 06 | 21 | 27 | 120 | 100.9 | 36 | 10 | M5 |
| SK50-SF08-120 | 08 | 21 | 27 | 120 | 100.9 | 36 | 10 | M6 |
| SK50-SF10-120 | 10 | 24 | 32 | 120 | 100.9 | 42 | 10 | M8x1 |
| SK50-SF12-120 | 12 | 24 | 32 | 120 | 100.9 | 47 | 10 | M10x1 |
| SK50-SF14-120 | 14 | 27 | 34 | 120 | 100.9 | 47 | 10 | M10x1 |
| SK50-SF16-120 | 16 | 27 | 34 | 120 | 100.9 | 50 | 10 | M12x1 |
| SK50-SF18-120 | 18 | 33 | 42 | 120 | 100.9 | 50 | 10 | M12x1 |
| SK50-SF20-120 | 20 | 33 | 42 | 120 | 100.9 | 52 | 10 | M16x1 |
| SK50-SF25-120 | 25 | 44 | 53 | 120 | 100.9 | 58 | 10 | M16x1 |
| SK50-SF32-120 | 32 | 44 | 53 | 120 | 100.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| SK50-SF06-160 | 06 | 21 | 32 | 160 | 140.9 | 36 | 10 | M5 |
| SK50-SF08-160 | 08 | 21 | 32 | 160 | 140.9 | 36 | 10 | M6 |
| SK50-SF10-160 | 10 | 24 | 34 | 160 | 140.9 | 42 | 10 | M8x1 |
| SK50-SF12-160 | 12 | 24 | 34 | 160 | 140.9 | 47 | 10 | M10x1 |
| SK50-SF14-160 | 14 | 27 | 42 | 160 | 140.9 | 47 | 10 | M10x1 |
| SK50-SF16-160 | 16 | 27 | 42 | 160 | 140.9 | 50 | 10 | M12x1 |
| SK50-SF18-160 | 18 | 33 | 51 | 160 | 140.9 | 50 | 10 | M12x1 |
| SK50-SF20-160 | 20 | 33 | 51 | 160 | 140.9 | 52 | 10 | M16x1 |
| SK50-SF25-160 | 25 | 44 | 60 | 160 | 140.9 | 58 | 10 | M16x1 |
| SK50-SF32-160 | 32 | 44 | 60 | 160 | 140.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| SK50-SF06-200 | 06 | 21 | 32 | 200 | 180.9 | 36 | 10 | M5 |
| SK50-SF08-200 | 08 | 21 | 32 | 200 | 180.9 | 36 | 10 | M6 |
| SK50-SF10-200 | 10 | 24 | 34 | 200 | 180.9 | 42 | 10 | M8x1 |
| SK50-SF12-200 | 12 | 24 | 34 | 200 | 180.9 | 47 | 10 | M10x1 |
| SK50-SF14-200 | 14 | 27 | 42 | 200 | 180.9 | 47 | 10 | M10x1 |
| SK50-SF16-200 | 16 | 27 | 42 | 200 | 180.9 | 50 | 10 | M12x1 |
| SK50-SF18-200 | 18 | 33 | 51 | 200 | 180.9 | 50 | 10 | M12x1 |
| SK50-SF20-200 | 20 | 33 | 51 | 200 | 180.9 | 52 | 10 | M16x1 |
| SK50-SF25-200 | 25 | 44 | 60 | 200 | 180.9 | 58 | 10 | M16x1 |
| SK50-SF32-200 | 32 | 44 | 60 | 200 | 180.9 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



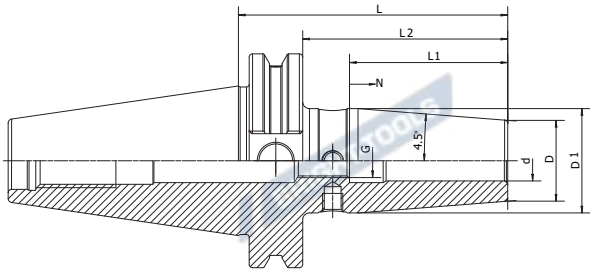



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| CAT40-SF03-80 | 03 | 15 | 20 | 80 | 60.9 | - | - | - |
| CAT40-SF04-80 | 04 | 15 | 20 | 80 | 60.9 | - | - | - |
| CAT40-SF05-80 | 05 | 15 | 20 | 80 | 60.9 | - | - | - |
| CAT40-SF06-80 | 06 | 21 | 27 | 80 | 60.9 | 36 | 10 | M5 |
| CAT40-SF08-80 | 08 | 21 | 27 | 80 | 60.9 | 36 | 10 | M6 |
| CAT40-SF10-80 | 10 | 24 | 31 | 80 | 60.9 | 42 | 10 | M8x1 |
| CAT40-SF12-80 | 12 | 24 | 31 | 80 | 60.9 | 47 | 10 | M10x1 |
| CAT40-SF14-80 | 14 | 27 | 34 | 80 | 60.9 | 47 | 10 | M10x1 |
| CAT40-SF16-80 | 16 | 27 | 34 | 80 | 60.9 | 50 | 10 | M12x1 |
| CAT40-SF18-80 | 18 | 33 | 40 | 80 | 60.9 | 50 | 10 | M12x1 |
| CAT40-SF20-80 | 20 | 33 | 40 | 80 | 60.9 | 52 | 10 | M16x1 |
| CAT40-SF25-100 | 25 | 44 | 50 | 100 | 80.9 | 58 | 10 | M16x1 |
| CAT40-SF32-100 | 32 | 44 | 50 | 100 | 80.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| CAT40-SF06-120 | 06 | 21 | 27 | 120 | 100.9 | 36 | 10 | M5 |
| CAT40-SF08-120 | 08 | 21 | 27 | 120 | 100.9 | 36 | 10 | M6 |
| CAT40-SF10-120 | 10 | 24 | 32 | 120 | 100.9 | 42 | 10 | M8x1 |
| CAT40-SF12-120 | 12 | 24 | 32 | 120 | 100.9 | 47 | 10 | M10x1 |
| CAT40-SF14-120 | 14 | 27 | 34 | 120 | 100.9 | 47 | 10 | M10x1 |
| CAT40-SF16-120 | 16 | 27 | 34 | 120 | 100.9 | 50 | 10 | M12x1 |
| CAT40-SF18-120 | 18 | 33 | 42 | 120 | 100.9 | 50 | 10 | M12x1 |
| CAT40-SF20-120 | 20 | 33 | 42 | 120 | 100.9 | 52 | 10 | M16x1 |
| CAT40-SF25-120 | 25 | 44 | 50 | 120 | 100.9 | 58 | 10 | M16x1 |
| | | | | | | | | |
| CAT40-SF06-160 | 06 | 21 | 32 | 160 | 140.9 | 36 | 10 | M5 |
| CAT40-SF08-160 | 08 | 21 | 32 | 160 | 140.9 | 36 | 10 | M6 |
| CAT40-SF10-160 | 10 | 24 | 34 | 160 | 140.9 | 42 | 10 | M8x1 |
| CAT40-SF12-160 | 12 | 24 | 34 | 160 | 140.9 | 47 | 10 | M10x1 |
| CAT40-SF14-160 | 14 | 27 | 42 | 160 | 140.9 | 47 | 10 | M10x1 |
| CAT40-SF16-160 | 16 | 27 | 42 | 160 | 140.9 | 50 | 10 | M12x1 |
| CAT40-SF18-160 | 18 | 33 | 50 | 160 | 140.9 | 50 | 10 | M12x1 |
| CAT40-SF20-160 | 20 | 33 | 50 | 160 | 140.9 | 52 | 10 | M16x1 |
| CAT40-SF25-160 | 25 | 44 | 50 | 160 | 140.9 | 58 | 10 | M16x1 |
| CAT40-SF32-160 | 32 | 44 | 50 | 160 | 140.9 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



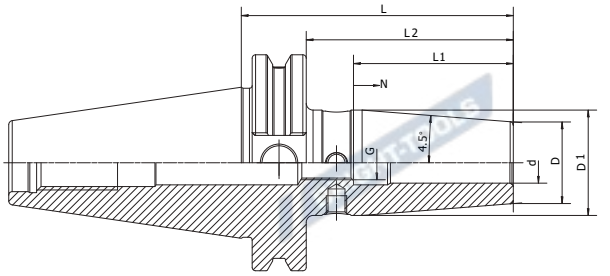



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| CAT40-SF06-200 | 06 | 21 | 32 | 200 | 180.9 | 36 | 10 | M5 |
| CAT40-SF08-200 | 08 | 21 | 32 | 200 | 180.9 | 36 | 10 | M6 |
| CAT40-SF10-200 | 10 | 24 | 34 | 200 | 180.9 | 42 | 10 | M8x1 |
| CAT40-SF12-200 | 12 | 24 | 34 | 200 | 180.9 | 47 | 10 | M10x1 |
| CAT40-SF14-200 | 14 | 27 | 42 | 200 | 180.9 | 47 | 10 | M10x1 |
| CAT40-SF16-200 | 16 | 27 | 42 | 200 | 180.9 | 50 | 10 | M12x1 |
| CAT40-SF18-200 | 18 | 33 | 50 | 200 | 180.9 | 50 | 10 | M12x1 |
| CAT40-SF20-200 | 20 | 33 | 50 | 200 | 180.9 | 52 | 10 | M16x1 |
| CAT40-SF25-200 | 25 | 44 | 50 | 200 | 180.9 | 58 | 10 | M16x1 |
| CAT40-SF32-200 | 32 | 44 | 50 | 200 | 180.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| CAT50-SF06-80 | 06 | 21 | 27 | 80 | 60.9 | 36 | 10 | M5 |
| CAT50-SF08-80 | 08 | 21 | 27 | 80 | 60.9 | 36 | 10 | M6 |
| CAT50-SF10-80 | 10 | 24 | 31 | 80 | 60.9 | 42 | 10 | M8x1 |
| CAT50-SF12-80 | 12 | 24 | 31 | 80 | 60.9 | 47 | 10 | M10x1 |
| CAT50-SF14-80 | 14 | 27 | 34 | 80 | 60.9 | 47 | 10 | M10x1 |
| CAT50-SF16-80 | 16 | 27 | 34 | 80 | 60.9 | 50 | 10 | M12x1 |
| CAT50-SF18-80 | 18 | 33 | 40 | 80 | 60.9 | 50 | 10 | M12x1 |
| CAT50-SF20-80 | 20 | 33 | 39.5 | 80 | 60.9 | 52 | 10 | M16x1 |
| CAT50-SF25-100 | 25 | 44 | 52.5 | 100 | 80.9 | 58 | 10 | M16x1 |
| CAT50-SF32-100 | 32 | 44 | 52.5 | 100 | 80.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| CAT50-SF06-120 | 06 | 21 | 27 | 120 | 100.9 | 36 | 10 | M5 |
| CAT50-SF08-120 | 08 | 21 | 27 | 120 | 100.9 | 36 | 10 | M6 |
| CAT50-SF10-120 | 10 | 24 | 32 | 120 | 100.9 | 42 | 10 | M8x1 |
| CAT50-SF12-120 | 12 | 24 | 32 | 120 | 100.9 | 47 | 10 | M10x1 |
| CAT50-SF14-120 | 14 | 27 | 34 | 120 | 100.9 | 47 | 10 | M10x1 |
| CAT50-SF16-120 | 16 | 27 | 34 | 120 | 100.9 | 50 | 10 | M12x1 |
| CAT50-SF18-120 | 18 | 33 | 42 | 120 | 100.9 | 50 | 10 | M12x1 |
| CAT50-SF20-120 | 20 | 33 | 42 | 120 | 100.9 | 52 | 10 | M16x1 |
| CAT50-SF25-120 | 25 | 44 | 53 | 120 | 100.9 | 58 | 10 | M16x1 |
| CAT50-SF32-120 | 32 | 44 | 53 | 120 | 100.9 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
## 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



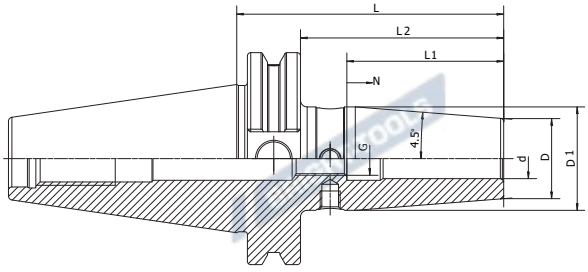



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| CAT50-SF06-160 | 06 | 21 | 32 | 160 | 140.9 | 36 | 10 | M5 |
| CAT50-SF08-160 | 08 | 21 | 32 | 160 | 140.9 | 36 | 10 | M6 |
| CAT50-SF10-160 | 10 | 24 | 34 | 160 | 140.9 | 42 | 10 | M8x1 |
| CAT50-SF12-160 | 12 | 24 | 34 | 160 | 140.9 | 47 | 10 | M10x1 |
| CAT50-SF14-160 | 14 | 27 | 42 | 160 | 140.9 | 47 | 10 | M10x1 |
| CAT50-SF16-160 | 16 | 27 | 42 | 160 | 140.9 | 50 | 10 | M12x1 |
| CAT50-SF18-160 | 18 | 33 | 51 | 160 | 140.9 | 50 | 10 | M12x1 |
| CAT50-SF20-160 | 20 | 33 | 51 | 160 | 140.9 | 52 | 10 | M16x1 |
| CAT50-SF25-160 | 25 | 44 | 60 | 160 | 140.9 | 58 | 10 | M16x1 |
| CAT50-SF32-160 | 32 | 44 | 60 | 160 | 140.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| CAT50-SF06-200 | 06 | 21 | 32 | 200 | 180.9 | 36 | 10 | M5 |
| CAT50-SF08-200 | 08 | 21 | 32 | 200 | 180.9 | 36 | 10 | M6 |
| CAT50-SF10-200 | 10 | 24 | 34 | 200 | 180.9 | 42 | 10 | M8x1 |
| CAT50-SF12-200 | 12 | 24 | 34 | 200 | 180.9 | 47 | 10 | M10x1 |
| CAT50-SF14-200 | 14 | 27 | 42 | 200 | 180.9 | 47 | 10 | M10x1 |
| CAT50-SF16-200 | 16 | 27 | 42 | 200 | 180.9 | 50 | 10 | M12x1 |
| CAT50-SF18-200 | 18 | 33 | 51 | 200 | 180.9 | 50 | 10 | M12x1 |
| CAT50-SF20-200 | 20 | 33 | 51 | 200 | 180.9 | 52 | 10 | M16x1 |
| CAT50-SF25-200 | 25 | 44 | 60 | 200 | 180.9 | 58 | 10 | M16x1 |
| CAT50-SF32-200 | 32 | 44 | 60 | 200 | 180.9 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





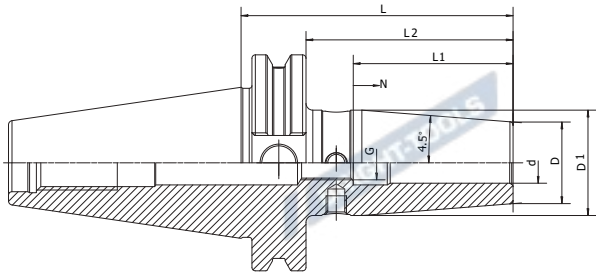

Inch

| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| CAT40-SF1/8-3.15" | 0.125" | 0.59" | 0.79" | 3.15" | 2.40" | - | - | - |
| CAT40-SF3/16-3.15" | 0.187" | 0.59" | 0.79" | 3.15" | 2.40" | - | - | - |
| CAT40-SF1/4-3.15" | 0.250" | 0.83" | 1.06" | 3.15" | 2.40" | 1.42" | 0.39" | M5 |
| CAT40-SF5/16-3.15" | 0.312" | 0.83" | 1.06" | 3.15" | 2.40" | 1.42" | 0.39" | M6 |
| CAT40-SF3/8-3.15" | 0.375" | 0.94" | 1.26" | 3.15" | 2.40" | 1.65" | 0.39" | M8x1 |
| CAT40-SF1/2-3.15" | 0.500" | 1.06" | 1.34" | 3.15" | 2.40" | 1.85" | 0.39" | M10x1 |
| CAT40-SF5/8-3.15" | 0.625" | 1.06" | 1.34" | 3.15" | 2.40" | 1.97" | 0.39" | M12x1 |
| CAT40-SF3/4-3.15" | 0.750" | 1.30" | 1.65" | 3.15" | 2.40" | 2.05" | 0.39" | M16x1 |
| CAT40-SF1-3.94" | 1.000" | 1.73" | 2.09" | 3.94" | 2.56" | 2.44" | 0.39" | M16x1 |
| CAT40-SF1-1/4-3.94" | 1.250" | 1.73" | 2.09" | 3.94" | 2.56" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| CAT40-SF1/8-4.72" | 0.125" | 0.59" | 0.79" | 4.72" | 3.34" | - | - | - |
| CAT40-SF3/16-4.72" | 0.187" | 0.59" | 0.79" | 4.72" | 3.34" | - | - | - |
| CAT40-SF1/4-4.72" | 0.250" | 0.83" | 1.06" | 4.72" | 3.34" | 1.42" | 0.39" | M5 |
| CAT40-SF5/16-4.72" | 0.312" | 0.83" | 1.06" | 4.72" | 3.34" | 1.42" | 0.39" | M6 |
| CAT40-SF3/8-4.72" | 0.375" | 0.94" | 1.26" | 4.72" | 3.34" | 1.65" | 0.39" | M8x1 |
| CAT40-SF1/2-4.72" | 0.500" | 1.06" | 1.34" | 4.72" | 3.34" | 1.85" | 0.39" | M10x1 |
| CAT40-SF5/8-4.72" | 0.625" | 1.06" | 1.34" | 4.72" | 3.34" | 1.97" | 0.39" | M12x1 |
| CAT40-SF3/4-4.72" | 0.750" | 1.30" | 1.65" | 4.72" | 3.34" | 2.05" | 0.39" | M16x1 |
| CAT40-SF1-4.72" | 1.000" | 1.73" | 2.09" | 4.72" | 3.34" | 2.44" | 0.39" | M16x1 |
| CAT40-SF1-1/4-4.72" | 1.250" | 1.73" | 2.09" | 4.72" | 3.34" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| CAT40-SF1/8-6.30" | 0.125" | 0.59" | 0.79" | 6.30" | 4.92" | - | - | - |
| CAT40-SF3/16-6.30" | 0.187" | 0.59" | 0.79" | 6.30" | 4.92" | - | - | - |
| CAT40-SF1/4-6.30" | 0.250" | 0.83" | 1.26" | 6.30" | 4.92" | 1.42" | 0.39" | M5 |
| CAT40-SF5/16-6.30" | 0.312" | 0.83" | 1.26" | 6.30" | 4.92" | 1.42" | 0.39" | M6 |
| CAT40-SF3/8-6.30" | 0.375" | 0.94" | 1.34" | 6.30" | 4.92" | 1.65" | 0.39" | M8x1 |
| CAT40-SF1/2-6.30" | 0.500" | 1.06" | 1.65" | 6.30" | 4.92" | 1.85" | 0.39" | M10x1 |
| CAT40-SF5/8-6.30" | 0.625" | 1.06" | 1.65" | 6.30" | 4.92" | 1.97" | 0.39" | M12x1 |
| CAT40-SF3/4-6.30" | 0.750" | 1.30" | 1.75" | 6.30" | 4.92" | 2.05" | 0.39" | M16x1 |
| CAT40-SF1-6.30" | 1.000" | 1.73" | 2.09" | 6.30" | 4.92" | 2.44" | 0.39" | M16x1 |
| CAT40-SF1-1/4-6.30" | 1.250" | 1.73" | 2.09" | 6.30" | 4.92" | 2.44" | 0.39" | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
## 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



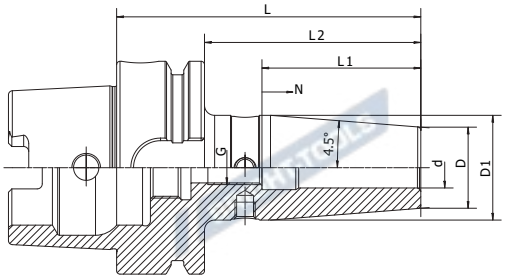



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| CAT50-SF1/4-3.15" | 0.250" | 0.83" | 1.06" | 3.15" | 2.36" | 1.42" | 0.39" | M5 |
| CAT50-SF3/8-3.15" | 0.375" | 0.94" | 1.26" | 3.15" | 2.36" | 1.65" | 0.39" | M8x1 |
| CAT50-SF1/2-3.15" | 0.500" | 1.06" | 1.34" | 3.15" | 2.36" | 1.85" | 0.39" | M10x1 |
| CAT50-SF5/8-3.15" | 0.625" | 1.06" | 1.34" | 3.15" | 2.36" | 1.97" | 0.39" | M12x1 |
| CAT50-SF3/4-3.15" | 0.750" | 1.30" | 1.65" | 3.15" | 2.36" | 2.05" | 0.39" | M16x1 |
| CAT50-SF1-3.94" | 1.000" | 1.73" | 2.09" | 3.94" | 2.75" | 2.44" | 0.39" | M16x1 |
| CAT50-SF1-1/4-3.94" | 1.250" | 1.73" | 2.09" | 3.94" | 2.75" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| CAT50-SF1/4-4.72" | 0.250" | 0.83" | 1.06" | 4.72" | 3.35" | 1.42" | 0.39" | M5 |
| CAT50-SF3/8-4.72" | 0.375" | 0.94" | 1.26" | 4.72" | 3.35" | 1.65" | 0.39" | M8x1 |
| CAT50-SF1/2-4.72" | 0.500" | 1.06" | 1.34" | 4.72" | 3.35" | 1.85" | 0.39" | M10x1 |
| CAT50-SF5/8-4.72" | 0.625" | 1.06" | 1.34" | 4.72" | 3.35" | 1.97" | 0.39" | M12x1 |
| CAT50-SF3/4-4.72" | 0.750" | 1.30" | 1.65" | 4.72" | 3.35" | 2.05" | 0.39" | M16x1 |
| CAT50-SF1-4.72" | 1.000" | 1.73" | 2.09" | 4.72" | 3.35" | 2.44" | 0.39" | M16x1 |
| CAT50-SF1-1/4-4.72" | 1.250" | 1.73" | 2.09" | 4.72" | 3.35" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| CAT50-SF1/4-6.30" | 0.250" | 0.83" | 1.26" | 6.30" | 4.92" | 1.42" | 0.39" | M5 |
| CAT50-SF3/8-6.30" | 0.375" | 0.94" | 1.34" | 6.30" | 4.92" | 1.65" | 0.39" | M8x1 |
| CAT50-SF1/2-6.30" | 0.500" | 1.06" | 1.65" | 6.30" | 4.92" | 1.85" | 0.39" | M10x1 |
| CAT50-SF5/8-6.30" | 0.625" | 1.06" | 1.65" | 6.30" | 4.92" | 1.97" | 0.39" | M12x1 |
| CAT50-SF3/4-6.30" | 0.750" | 1.30" | 2.01" | 6.30" | 4.92" | 2.05" | 0.39" | M16x1 |
| CAT50-SF1-6.30" | 1.000" | 1.73" | 2.36" | 6.30" | 4.92" | 2.44" | 0.39" | M16x1 |
| CAT50-SF1-1/4-6.30" | 1.250" | 1.73" | 2.36" | 6.30" | 4.92" | 2.44" | 0.39" | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



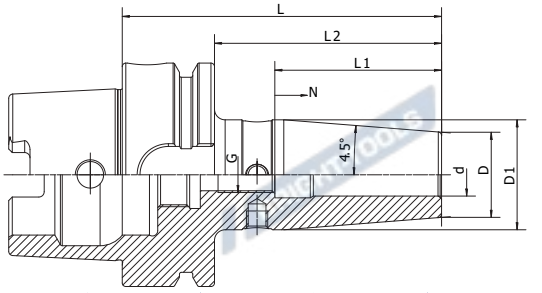



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK32A-SF03-65 | 03 | 15 | 20 | 65 | 45 | - | - | - |
| HSK32A-SF04-65 | 04 | 15 | 20 | 65 | 45 | - | - | - |
| HSK32A-SF05-65 | 05 | 15 | 20 | 65 | 45 | - | - | - |
| HSK32A-SF06-75 | 06 | 21 | 26 | 75 | 55 | 36 | 10 | M5 |
| HSK32A-SF08-75 | 08 | 21 | 26 | 75 | 55 | 36 | 10 | M6 |
| HSK32A-SF10-75 | 10 | 24 | 29 | 75 | 55 | 42 | 10 | M8x1 |
| HSK32A-SF12-80 | 12 | 24 | 29 | 80 | 60 | 47 | 5 | M10x1 |
| | | | | | | | | |
| HSK40A-SF03-60 | 03 | 15 | 20 | 60 | 40 | - | - | - |
| HSK40A-SF04-60 | 04 | 15 | 20 | 60 | 40 | - | - | - |
| HSK40A-SF05-60 | 05 | 15 | 20 | 60 | 40 | - | - | - |
| HSK40A-SF06-80 | 06 | 21 | 27 | 80 | 60 | 36 | 10 | M5 |
| HSK40A-SF08-80 | 08 | 21 | 27 | 80 | 60 | 36 | 10 | M6 |
| HSK40A-SF10-80 | 10 | 24 | 32 | 80 | 60 | 42 | 10 | M8x1 |
| HSK40A-SF12-90 | 12 | 24 | 32 | 90 | 70 | 47 | 10 | M10x1 |
| HSK40A-SF14-90 | 14 | 27 | 34 | 90 | 70 | 47 | 10 | M10x1 |
| HSK40A-SF16-90 | 16 | 27 | 34 | 90 | 70 | 50 | 10 | M12x1 |
| | | | | | | | | |
| HSK50A-SF03-80 | 03 | 15 | 20 | 80 | 54 | - | - | - |
| HSK50A-SF04-80 | 04 | 15 | 20 | 80 | 54 | - | - | - |
| HSK50A-SF05-80 | 05 | 15 | 20 | 80 | 54 | - | - | - |
| HSK50A-SF06-80 | 06 | 21 | 27 | 80 | 54 | 36 | 10 | M5 |
| HSK50A-SF08-80 | 08 | 21 | 27 | 80 | 54 | 36 | 10 | M6 |
| HSK50A-SF10-85 | 10 | 24 | 32 | 85 | 59 | 42 | 10 | M8x1 |
| HSK50A-SF12-90 | 12 | 24 | 32 | 90 | 64 | 47 | 10 | M10x1 |
| HSK50A-SF14-90 | 14 | 27 | 34 | 90 | 64 | 47 | 10 | M10x1 |
| HSK50A-SF16-95 | 16 | 27 | 34 | 95 | 69 | 50 | 10 | M12x1 |
| HSK50A-SF18-95 | 18 | 33 | 42 | 95 | 69 | 50 | 10 | M12x1 |
| HSK50A-SF20-100 | 20 | 33 | 42 | 100 | 74 | 52 | 10 | M16x1 |

## Shrink Fit Chuck, 4.5°, Standard
## 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



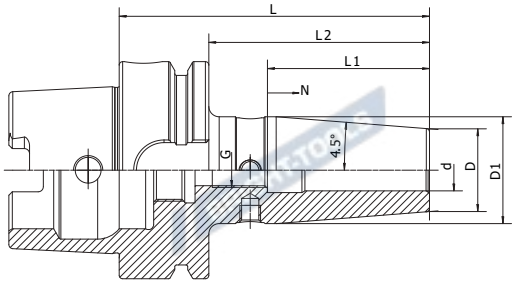



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK63A-SF03-80 | 03 | 15 | 20 | 80 | 54 | - | - | - |
| HSK63A-SF04-80 | 04 | 15 | 20 | 80 | 54 | - | - | - |
| HSK63A-SF05-80 | 05 | 15 | 20 | 80 | 54 | - | - | - |
| HSK63A-SF06-80 | 06 | 21 | 26.5 | 80 | 54 | 36 | 10 | M5 |
| HSK63A-SF08-80 | 08 | 21 | 26.5 | 80 | 54 | 36 | 10 | M6 |
| HSK63A-SF10-85 | 10 | 24 | 30.5 | 85 | 59 | 42 | 10 | M8x1 |
| HSK63A-SF12-90 | 12 | 24 | 31 | 90 | 64 | 47 | 10 | M10x1 |
| HSK63A-SF14-90 | 14 | 27 | 34 | 90 | 64 | 47 | 10 | M10x1 |
| HSK63A-SF16-95 | 16 | 27 | 34 | 95 | 69 | 50 | 10 | M12x1 |
| HSK63A-SF18-95 | 18 | 33 | 41 | 95 | 69 | 50 | 10 | M12x1 |
| HSK63A-SF20-100 | 20 | 33 | 42 | 100 | 74 | 52 | 10 | M16x1 |
| HSK63A-SF25-115 | 25 | 44 | 52.5 | 115 | 89 | 58 | 10 | M16x1 |
| HSK63A-SF32-120 | 32 | 44 | 52.5 | 120 | 94 | 62 | 10 | M16x1 |
| | | | | | | | | |
| HSK63A-SF03-120 | 03 | 15 | 20 | 120 | 94 | - | - | - |
| HSK63A-SF04-120 | 04 | 15 | 20 | 120 | 94 | - | - | - |
| HSK63A-SF05-120 | 05 | 15 | 20 | 120 | 94 | - | - | - |
| HSK63A-SF06-120 | 06 | 21 | 27 | 120 | 94 | 36 | 10 | M5 |
| HSK63A-SF08-120 | 08 | 21 | 27 | 120 | 94 | 36 | 10 | M6 |
| HSK63A-SF10-120 | 10 | 24 | 32 | 120 | 94 | 42 | 10 | M8x1 |
| HSK63A-SF12-120 | 12 | 24 | 32 | 120 | 94 | 47 | 10 | M10x1 |
| HSK63A-SF14-120 | 14 | 27 | 34 | 120 | 94 | 47 | 10 | M10x1 |
| HSK63A-SF16-120 | 16 | 27 | 34 | 120 | 94 | 50 | 10 | M12x1 |
| HSK63A-SF18-120 | 18 | 33 | 42 | 120 | 94 | 50 | 10 | M12x1 |
| HSK63A-SF20-120 | 20 | 33 | 42 | 120 | 94 | 52 | 10 | M16x1 |
| HSK63A-SF25-120 | 25 | 44 | 52.5 | 120 | 94 | 58 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



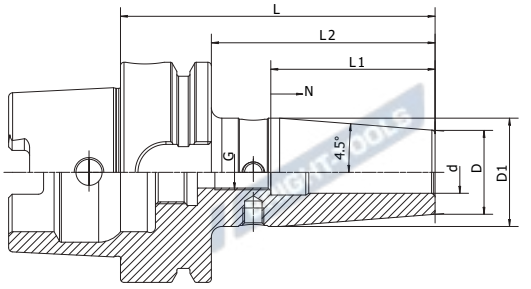



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK63A-SF03-160 | 03 | 15 | 25 | 160 | 134 | - | - | - |
| HSK63A-SF04-160 | 04 | 15 | 25 | 160 | 134 | - | - | - |
| HSK63A-SF05-160 | 05 | 15 | 25 | 160 | 134 | - | - | - |
| HSK63A-SF06-160 | 06 | 21 | 32 | 160 | 134 | 36 | 10 | M5 |
| HSK63A-SF08-160 | 08 | 21 | 32 | 160 | 134 | 36 | 10 | M6 |
| HSK63A-SF10-160 | 10 | 24 | 34 | 160 | 134 | 42 | 10 | M8x1 |
| HSK63A-SF12-160 | 12 | 24 | 34 | 160 | 134 | 47 | 10 | M10x1 |
| HSK63A-SF14-160 | 14 | 27 | 42 | 160 | 134 | 47 | 10 | M10x1 |
| HSK63A-SF16-160 | 16 | 27 | 42 | 160 | 134 | 50 | 10 | M12x1 |
| HSK63A-SF18-160 | 18 | 33 | 51 | 160 | 134 | 50 | 10 | M12x1 |
| HSK63A-SF20-160 | 20 | 33 | 51 | 160 | 134 | 52 | 10 | M16x1 |
| HSK63A-SF25-160 | 25 | 44 | 52.5 | 160 | 134 | 58 | 10 | M16x1 |
| HSK63A-SF32-160 | 32 | 44 | 52.5 | 160 | 134 | 62 | 10 | M16x1 |
| | | | | | | | | |
| HSK63A-SF06-200 | 06 | 21 | 32 | 200 | 174 | 36 | 10 | M5 |
| HSK63A-SF08-200 | 08 | 21 | 32 | 200 | 174 | 36 | 10 | M6 |
| HSK63A-SF10-200 | 10 | 24 | 34 | 200 | 174 | 42 | 10 | M8x1 |
| HSK63A-SF12-200 | 12 | 24 | 34 | 200 | 174 | 47 | 10 | M10x1 |
| HSK63A-SF14-200 | 14 | 27 | 42 | 200 | 174 | 47 | 10 | M10x1 |
| HSK63A-SF16-200 | 16 | 27 | 42 | 200 | 174 | 50 | 10 | M12x1 |
| HSK63A-SF18-200 | 18 | 33 | 51 | 200 | 174 | 50 | 10 | M12x1 |
| HSK63A-SF20-200 | 20 | 33 | 51 | 200 | 174 | 52 | 10 | M16x1 |
| HSK63A-SF25-200 | 25 | 44 | 52.5 | 200 | 174 | 58 | 10 | M16x1 |
| HSK63A-SF32-200 | 32 | 44 | 52.5 | 200 | 174 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
## 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



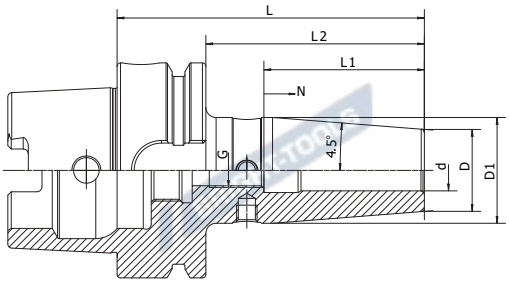



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK63A-SF06-250 | 06 | 21 | 32 | 250 | 224 | 36 | 10 | M5 |
| HSK63A-SF08-250 | 08 | 21 | 32 | 250 | 224 | 36 | 10 | M6 |
| HSK63A-SF10-250 | 10 | 24 | 34 | 250 | 224 | 42 | 10 | M8x1 |
| HSK63A-SF12-250 | 12 | 24 | 34 | 250 | 224 | 47 | 10 | M10x1 |
| HSK63A-SF14-250 | 14 | 27 | 42 | 250 | 224 | 47 | 10 | M10x1 |
| HSK63A-SF16-250 | 16 | 27 | 42 | 250 | 224 | 50 | 10 | M12x1 |
| HSK63A-SF18-250 | 18 | 33 | 51 | 250 | 224 | 50 | 10 | M12x1 |
| HSK63A-SF20-250 | 20 | 33 | 51 | 250 | 224 | 52 | 10 | M16x1 |
| HSK63A-SF25-250 | 25 | 44 | 52.5 | 250 | 224 | 58 | 10 | M16x1 |
| HSK63A-SF32-250 | 32 | 44 | 52.5 | 250 | 224 | 62 | 10 | M16x1 |
| | | | | | | | | |
| HSK63A-SF06-300 | 06 | 21 | 32 | 300 | 274 | 36 | 10 | M5 |
| HSK63A-SF08-300 | 08 | 21 | 32 | 300 | 274 | 36 | 10 | M6 |
| HSK63A-SF10-300 | 10 | 24 | 34 | 300 | 274 | 42 | 10 | M8x1 |
| HSK63A-SF12-300 | 12 | 24 | 34 | 300 | 274 | 47 | 10 | M10x1 |
| HSK63A-SF14-300 | 14 | 27 | 42 | 300 | 274 | 47 | 10 | M10x1 |
| HSK63A-SF16-300 | 16 | 27 | 42 | 300 | 274 | 50 | 10 | M12x1 |
| HSK63A-SF18-300 | 18 | 33 | 51 | 300 | 274 | 50 | 10 | M12x1 |
| HSK63A-SF20-300 | 20 | 33 | 51 | 300 | 274 | 52 | 10 | M16x1 |
| HSK63A-SF25-300 | 25 | 44 | 52.5 | 300 | 274 | 58 | 10 | M16x1 |
| HSK63A-SF32-300 | 32 | 44 | 52.5 | 300 | 274 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



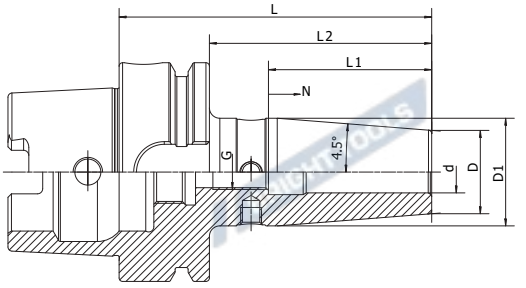



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK80A-SF06-85 | 06 | 21 | 27 | 85 | 59 | 36 | 10 | M5 |
| HSK80A-SF08-85 | 08 | 21 | 27 | 85 | 59 | 36 | 10 | M6 |
| HSK80A-SF10-90 | 10 | 24 | 32 | 90 | 64 | 42 | 10 | M8x1 |
| HSK80A-SF12-95 | 12 | 24 | 32 | 95 | 69 | 47 | 10 | M10x1 |
| HSK80A-SF14-95 | 14 | 27 | 34 | 95 | 69 | 47 | 10 | M10x1 |
| HSK80A-SF16-100 | 16 | 27 | 34 | 100 | 74 | 50 | 10 | M12x1 |
| HSK80A-SF18-100 | 18 | 33 | 42 | 100 | 74 | 50 | 10 | M12x1 |
| HSK80A-SF20-105 | 20 | 33 | 42 | 105 | 79 | 52 | 10 | M16x1 |
| HSK80A-SF25-115 | 25 | 44 | 53 | 115 | 89 | 58 | 10 | M16x1 |
| HSK80A-SF32-120 | 32 | 44 | 53 | 120 | 94 | 62 | 10 | M16x1 |
| | | | | | | | | |
| HSK100A-SF03-85 | 03 | 15 | 20 | 85 | 56 | - | - | - |
| HSK100A-SF04-85 | 04 | 15 | 20 | 85 | 56 | - | - | - |
| HSK100A-SF05-85 | 05 | 15 | 20 | 85 | 56 | - | - | - |
| HSK100A-SF06-85 | 06 | 21 | 26.5 | 85 | 56 | 36 | 10 | M5 |
| HSK100A-SF08-85 | 08 | 21 | 26.5 | 85 | 56 | 36 | 10 | M6 |
| HSK100A-SF10-90 | 10 | 24 | 30.5 | 90 | 61 | 42 | 10 | M8x1 |
| HSK100A-SF12-95 | 12 | 24 | 31 | 95 | 66 | 47 | 10 | M10x1 |
| HSK100A-SF14-95 | 14 | 27 | 34 | 95 | 66 | 47 | 10 | M10x1 |
| HSK100A-SF16-100 | 16 | 27 | 34 | 100 | 71 | 50 | 10 | M12x1 |
| HSK100A-SF18-100 | 18 | 33 | 41 | 100 | 71 | 50 | 10 | M12x1 |
| HSK100A-SF20-105 | 20 | 33 | 42 | 105 | 76 | 52 | 10 | M16x1 |
| HSK100A-SF25-115 | 25 | 44 | 53 | 115 | 86 | 58 | 10 | M16x1 |
| HSK100A-SF32-120 | 32 | 44 | 53 | 120 | 91 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



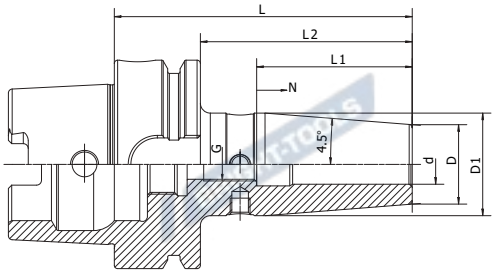



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK100A-SF06-120 | 06 | 21 | 27 | 120 | 91 | 36 | 10 | M5 |
| HSK100A-SF08-120 | 08 | 21 | 27 | 120 | 91 | 36 | 10 | M6 |
| HSK100A-SF10-120 | 10 | 24 | 32 | 120 | 91 | 42 | 10 | M8x1 |
| HSK100A-SF12-120 | 12 | 24 | 32 | 120 | 91 | 47 | 10 | M10x1 |
| HSK100A-SF14-120 | 14 | 27 | 34 | 120 | 91 | 47 | 10 | M10x1 |
| HSK100A-SF16-120 | 16 | 27 | 34 | 120 | 91 | 50 | 10 | M12x1 |
| HSK100A-SF18-120 | 18 | 33 | 42 | 120 | 91 | 50 | 10 | M12x1 |
| HSK100A-SF20-120 | 20 | 33 | 42 | 120 | 91 | 52 | 10 | M16x1 |
| HSK100A-SF25-120 | 25 | 44 | 53 | 120 | 91 | 58 | 10 | M16x1 |
| | | | | | | | | |
| HSK100A-SF06-160 | 06 | 21 | 32 | 160 | 131 | 36 | 10 | M5 |
| HSK100A-SF08-160 | 08 | 21 | 32 | 160 | 131 | 36 | 10 | M6 |
| HSK100A-SF10-160 | 10 | 24 | 34 | 160 | 131 | 42 | 10 | M8x1 |
| HSK100A-SF12-160 | 12 | 24 | 34 | 160 | 131 | 47 | 10 | M10x1 |
| HSK100A-SF14-160 | 14 | 27 | 42 | 160 | 131 | 47 | 10 | M10x1 |
| HSK100A-SF16-160 | 16 | 27 | 42 | 160 | 131 | 50 | 10 | M12x1 |
| HSK100A-SF18-160 | 18 | 33 | 50.5 | 160 | 131 | 50 | 10 | M12x1 |
| HSK100A-SF20-160 | 20 | 33 | 50.5 | 160 | 131 | 52 | 10 | M16x1 |
| HSK100A-SF25-160 | 25 | 44 | 60 | 160 | 131 | 58 | 10 | M16x1 |
| HSK100A-SF32-160 | 32 | 44 | 60 | 160 | 131 | 62 | 10 | M16x1 |
| | | | | | | | | |
| HSK100A-SF06-200 | 06 | 21 | 32 | 200 | 171 | 36 | 10 | M5 |
| HSK100A-SF08-200 | 08 | 21 | 32 | 200 | 171 | 36 | 10 | M6 |
| HSK100A-SF10-200 | 10 | 24 | 34 | 200 | 171 | 42 | 10 | M8x1 |
| HSK100A-SF12-200 | 12 | 24 | 34 | 200 | 171 | 47 | 10 | M10x1 |
| HSK100A-SF14-200 | 14 | 27 | 42 | 200 | 171 | 47 | 10 | M10x1 |
| HSK100A-SF16-200 | 16 | 27 | 42 | 200 | 171 | 50 | 10 | M12x1 |
| HSK100A-SF18-200 | 18 | 33 | 51 | 200 | 171 | 50 | 10 | M12x1 |
| HSK100A-SF20-200 | 20 | 33 | 51 | 200 | 171 | 52 | 10 | M16x1 |
| HSK100A-SF25-200 | 25 | 44 | 60 | 200 | 171 | 58 | 10 | M16x1 |
| HSK100A-SF32-200 | 32 | 44 | 60 | 200 | 171 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



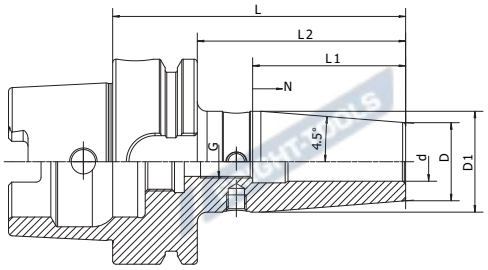



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK100A-SF06-250 | 06 | 21 | 32 | 250 | 221 | 36 | 10 | M5 |
| HSK100A-SF08-250 | 08 | 21 | 32 | 250 | 221 | 36 | 10 | M6 |
| HSK100A-SF10-250 | 10 | 24 | 34 | 250 | 221 | 42 | 10 | M8x1 |
| HSK100A-SF12-250 | 12 | 24 | 34 | 250 | 221 | 47 | 10 | M10x1 |
| HSK100A-SF14-250 | 14 | 27 | 42 | 250 | 221 | 47 | 10 | M10x1 |
| HSK100A-SF16-250 | 16 | 27 | 42 | 250 | 221 | 50 | 10 | M12x1 |
| HSK100A-SF18-250 | 18 | 33 | 51 | 250 | 221 | 50 | 10 | M12x1 |
| HSK100A-SF20-250 | 20 | 33 | 51 | 250 | 221 | 52 | 10 | M16x1 |
| HSK100A-SF25-250 | 25 | 44 | 60 | 250 | 221 | 58 | 10 | M16x1 |
| HSK100A-SF32-250 | 32 | 44 | 60 | 250 | 221 | 62 | 10 | M16x1 |
| | | | | | | | | |
| HSK100A-SF06-300 | 06 | 21 | 32 | 300 | 271 | 36 | 10 | M5 |
| HSK100A-SF08-300 | 08 | 21 | 32 | 300 | 271 | 36 | 10 | M6 |
| HSK100A-SF10-300 | 10 | 24 | 34 | 300 | 271 | 42 | 10 | M8x1 |
| HSK100A-SF12-300 | 12 | 24 | 34 | 300 | 271 | 47 | 10 | M10x1 |
| HSK100A-SF14-300 | 14 | 27 | 42 | 300 | 271 | 47 | 10 | M10x1 |
| HSK100A-SF16-300 | 16 | 27 | 42 | 300 | 271 | 50 | 10 | M12x1 |
| HSK100A-SF18-300 | 18 | 33 | 51 | 300 | 271 | 50 | 10 | M12x1 |
| HSK100A-SF20-300 | 20 | 33 | 51 | 300 | 271 | 52 | 10 | M16x1 |
| HSK100A-SF25-300 | 25 | 44 | 60 | 300 | 271 | 58 | 10 | M16x1 |
| HSK100A-SF32-300 | 32 | 44 | 60 | 300 | 271 | 62 | 10 | M16x1 |
| | | | | | | | | |
| HSK125A-SF32-120 | 32 | 44 | 60 | 120 | 91 | 51 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
## 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





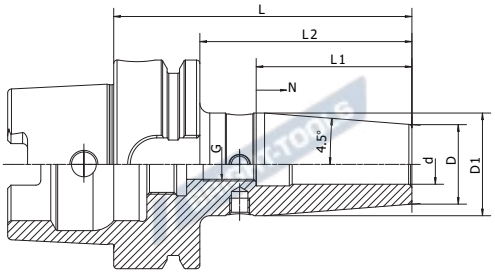

Inch

| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK63A-SF1/8-3.15" | 0.125" | 0.59" | 0.79" | 3.15" | 2.13" | - | - | - |
| HSK63A-SF3/16-3.15" | 0.187" | 0.59" | 0.79" | 3.15" | 2.13" | - | - | - |
| HSK63A-SF1/4-3.15" | 0.250" | 0.83" | 1.06" | 3.15" | 2.13" | 1.42" | 0.39" | M5 |
| HSK63A-SF5/16-3.15" | 0.312" | 0.83" | 1.06" | 3.15" | 2.13" | 1.42" | 0.39" | M6 |
| HSK63A-SF3/8-3.35" | 0.375" | 0.94" | 1.26" | 3.35" | 2.32" | 1.65" | 0.39" | M8x1 |
| HSK63A-SF1/2-3.54" | 0.500" | 1.06" | 1.34" | 3.54" | 2.52" | 1.85" | 0.39" | M10x1 |
| HSK63A-SF5/8-3.74" | 0.625" | 1.06" | 1.34" | 3.74" | 2.72" | 1.97" | 0.39" | M12x1 |
| HSK63A-SF3/4-3.94" | 0.750" | 1.30" | 1.65" | 3.94" | 2.91" | 2.05" | 0.39" | M16x1 |
| HSK63A-SF1-4.53" | 1.000" | 1.73" | 2.07" | 4.53" | 3.50" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| HSK63A-SF1/8-4.72" | 0.125" | 0.59" | 0.79" | 4.72" | 3.70" | - | - | - |
| HSK63A-SF3/16-4.72" | 0.187" | 0.59" | 0.79" | 4.72" | 3.70" | - | - | - |
| HSK63A-SF1/4-4.72" | 0.250" | 0.83" | 1.06" | 4.72" | 3.70" | 1.42" | 0.39" | M5 |
| HSK63A-SF5/16-4.72" | 0.312" | 0.83" | 1.06" | 4.72" | 3.70" | 1.42" | 0.39" | M6 |
| HSK63A-SF3/8-4.72" | 0.375" | 0.94" | 1.26" | 4.72" | 3.70" | 1.65" | 0.39" | M8x1 |
| HSK63A-SF1/2-4.72" | 0.500" | 1.06" | 1.34" | 4.72" | 3.70" | 1.85" | 0.39" | M10x1 |
| HSK63A-SF5/8-4.72" | 0.625" | 1.06" | 1.34" | 4.72" | 3.70" | 1.97" | 0.39" | M12x1 |
| HSK63A-SF3/4-4.72" | 0.750" | 1.30" | 1.65" | 4.72" | 3.70" | 2.05" | 0.39" | M16x1 |
| HSK63A-SF1-4.72" | 1.000" | 1.73" | 2.07" | 4.72" | 3.70" | 2.44" | 0.39" | M16x1 |
| HSK63A-SF1-1/4-4.72" | 1.250" | 1.73" | 2.07" | 4.72" | 3.70" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| HSK63A-SF1/8-6.3" | 0.125" | 0.59" | 1.06" | 6.30" | 5.28" | - | - | - |
| HSK63A-SF3/16-6.3" | 0.187" | 0.59" | 1.06" | 6.30" | 5.28" | - | - | - |
| HSK63A-SF1/4-6.3" | 0.250" | 0.83" | 1.26" | 6.30" | 5.28" | 1.42" | 0.39" | M5 |
| HSK63A-SF5/16-6.3" | 0.312" | 0.83" | 1.26" | 6.30" | 5.28" | 1.42" | 0.39" | M6 |
| HSK63A-SF3/8-6.3" | 0.375" | 0.94" | 1.34" | 6.30" | 5.28" | 1.65" | 0.39" | M8x1 |
| HSK63A-SF1/2-6.3" | 0.500" | 1.06" | 1.65" | 6.30" | 5.28" | 1.85" | 0.39" | M10x1 |
| HSK63A-SF5/8-6.3" | 0.625" | 1.06" | 1.65" | 6.30" | 5.28" | 1.97" | 0.39" | M12x1 |
| HSK63A-SF3/4-6.3" | 0.750" | 1.30" | 2.01" | 6.30" | 5.28" | 2.05" | 0.39" | M16x1 |
| HSK63A-SF1-6.3" | 1.000" | 1.73" | 2.07" | 6.30" | 5.28" | 2.44" | 0.39" | M16x1 |
| HSK63A-SF1-1/4-6.3" | 1.250" | 1.73" | 2.07" | 6.30" | 5.28" | 2.44" | 0.39" | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



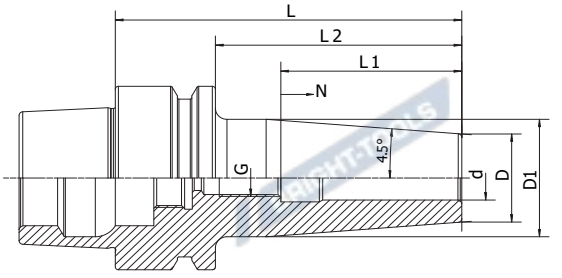



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK80A-SF1/4-3.35" | 0.250" | 0.83" | 1.06" | 3.35" | 2.32" | 1.42" | 0.39" | M5 |
| HSK80A-SF3/8-3.54" | 0.375" | 0.94" | 1.26" | 3.54" | 2.52" | 1.65" | 0.39" | M8x1 |
| HSK80A-SF1/2-3.74" | 0.500" | 1.06" | 1.34" | 3.74" | 2.72" | 1.85" | 0.39" | M10x1 |
| HSK80A-SF5/8-3.94" | 0.625" | 1.06" | 1.34" | 3.94" | 2.91" | 1.97" | 0.39" | M12x1 |
| HSK80A-SF3/4-4.13" | 0.750" | 1.30" | 1.65" | 4.13" | 3.11" | 2.05" | 0.39" | M16x1 |
| HSK80A-SF1-4.53" | 1.000" | 1.73" | 2.09" | 4.53" | 3.50" | 2.44" | 0.39" | M16x1 |
| HSK80A-SF1-1/4-4.72" | 1.250" | 1.73" | 2.09" | 4.72" | 3.70" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| HSK100A-SF1/4-3.35" | 0.250" | 0.83" | 1.06" | 3.35" | 2.20" | 1.42" | 0.39" | M5 |
| HSK100A-SF3/8-3.54" | 0.375" | 0.94" | 1.26" | 3.54" | 2.40" | 1.65" | 0.39" | M8x1 |
| HSK100A-SF1/2-3.74" | 0.500" | 1.06" | 1.34" | 3.74" | 2.60" | 1.85" | 0.39" | M10x1 |
| HSK100A-SF5/8-3.94" | 0.625" | 1.06" | 1.34" | 3.94" | 2.80" | 1.97" | 0.39" | M12x1 |
| HSK100A-SF3/4-4.13" | 0.750" | 1.30" | 1.65" | 4.13" | 2.99" | 2.05" | 0.39" | M16x1 |
| HSK100A-SF1-4.53" | 1.000" | 1.73" | 2.09" | 4.53" | 3.39" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| HSK100A-SF1/4-4.72" | 0.250" | 0.83" | 1.06" | 4.72" | 3.58" | 1.42" | 0.39" | M5 |
| HSK100A-SF3/8-4.72" | 0.375" | 0.94" | 1.26" | 4.72" | 3.58" | 1.65" | 0.39" | M8x1 |
| HSK100A-SF1/2-4.72" | 0.500" | 1.06" | 1.34" | 4.72" | 3.58" | 1.85" | 0.39" | M10x1 |
| HSK100A-SF5/8-4.72" | 0.625" | 1.06" | 1.34" | 4.72" | 3.58" | 1.97" | 0.39" | M12x1 |
| HSK100A-SF3/4-4.72" | 0.750" | 1.30" | 1.65" | 4.72" | 3.58" | 2.05" | 0.39" | M16x1 |
| HSK100A-SF1-4.72" | 1.000" | 1.73" | 2.09" | 4.72" | 3.58" | 2.44" | 0.39" | M16x1 |
| HSK100A-SF1-1/4-4.72" | 1.250" | 1.73" | 2.09" | 4.72" | 3.58" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| HSK100A-SF1/4-6.30" | 0.250" | 0.83" | 1.26" | 6.30" | 5.16" | 1.42" | 0.39" | M5 |
| HSK100A-SF3/8-6.30" | 0.375" | 0.94" | 1.34" | 6.30" | 5.16" | 1.65" | 0.39" | M8x1 |
| HSK100A-SF1/2-6.30" | 0.500" | 1.06" | 1.65" | 6.30" | 5.16" | 1.85" | 0.39" | M10x1 |
| HSK100A-SF5/8-6.30" | 0.625" | 1.06" | 1.65" | 6.30" | 5.16" | 1.97" | 0.39" | M12x1 |
| HSK100A-SF3/4-6.30" | 0.750" | 1.30" | 2.01" | 6.30" | 5.16" | 2.05" | 0.39" | M16x1 |
| HSK100A-SF1-6.30" | 1.000" | 1.73" | 2.36" | 6.30" | 5.16" | 2.44" | 0.39" | M16x1 |
| HSK100A-SF1-1/4-6.30" | 1.250" | 1.73" | 2.36" | 6.30" | 5.16" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| HSK125A-SF3/4-4.72" | 0.750" | 1.30" | 1.65" | 4.72" | 3.58" | 1.61" | 10 | M16x1 |
| HSK125A-SF1-4.72" | 1.000" | 1.73" | 2.09" | 4.72" | 3.58" | 1.85" | 10 | M16x1 |
| HSK125A-SF1-1/4-4.72" | 1.250" | 1.73" | 2.09" | 4.72" | 3.58" | 2" | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



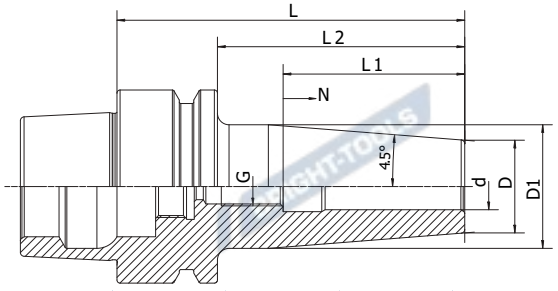



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK25E-SF06-50 | 06 | 15 | 19 | 50 | 40 | 36 | 5 | M5 |
| | | | | | | | | |
| HSK32E-SF03-60 | 03 | 15 | 20 | 60 | 40 | - | - | - |
| HSK32E-SF04-60 | 04 | 15 | 20 | 60 | 40 | - | - | - |
| HSK32E-SF05-60 | 05 | 15 | 20 | 60 | 40 | - | - | - |
| HSK32E-SF06-70 | 06 | 20 | 26 | 70 | 50 | 36 | 10 | M5 |
| HSK32E-SF08-70 | 08 | 20 | 26 | 70 | 50 | 36 | 10 | M6 |
| HSK32E-SF10-70 | 10 | 24 | 29 | 70 | 50 | 42 | 10 | M8x1 |
| HSK32E-SF12-70 | 12 | 24 | 29 | 70 | 50 | 47 | 10 | M10x1 |
| | | | | | | | | |
| HSK40E-SF03-60 | 03 | 15 | 20 | 60 | 40 | - | - | - |
| HSK40E-SF04-60 | 04 | 15 | 20 | 60 | 40 | - | - | - |
| HSK40E-SF05-60 | 05 | 15 | 20 | 60 | 40 | - | - | - |
| HSK40E-SF06-65 | 06 | 21 | 27 | 65 | 45 | 36 | 10 | M5 |
| HSK40E-SF08-65 | 08 | 21 | 27 | 65 | 45 | 36 | 10 | M6 |
| HSK40E-SF10-65 | 10 | 24 | 30 | 65 | 45 | 42 | 10 | M8x1 |
| HSK40E-SF12-65 | 12 | 24 | 30 | 65 | 45 | 47 | 10 | M10x1 |
| | | | | | | | | |
| HSK40E-SF03-80 | 03 | 15 | 20 | 80 | 60 | - | - | - |
| HSK40E-SF04-80 | 04 | 15 | 20 | 80 | 60 | - | - | - |
| HSK40E-SF05-80 | 05 | 15 | 20 | 80 | 60 | - | - | - |
| HSK40E-SF06-80 | 06 | 21 | 27 | 80 | 60 | 36 | 10 | M5 |
| HSK40E-SF08-80 | 08 | 21 | 27 | 80 | 60 | 36 | 10 | M6 |
| HSK40E-SF10-80 | 10 | 24 | 32 | 80 | 60 | 42 | 10 | M8x1 |
| HSK40E-SF12-90 | 12 | 24 | 32 | 90 | 70 | 47 | 10 | M10x1 |
| HSK40E-SF16-90 | 16 | 27 | 34 | 90 | 70 | 50 | 10 | M12x1 |
| | | | | | | | | |
| HSK40E-SF03-120 | 03 | 15 | 20 | 120 | 100 | - | - | - |
| HSK40E-SF04-120 | 04 | 15 | 20 | 120 | 100 | - | - | - |
| HSK40E-SF05-120 | 05 | 15 | 20 | 120 | 100 | - | - | - |
| HSK40E-SF06-120 | 06 | 21 | 27 | 120 | 100 | 36 | 10 | M5 |
| HSK40E-SF08-120 | 08 | 21 | 27 | 120 | 100 | 36 | 10 | M6 |
| HSK40E-SF10-120 | 10 | 24 | 32 | 120 | 100 | 42 | 10 | M8x1 |
| HSK40E-SF12-120 | 12 | 24 | 32 | 120 | 100 | 47 | 10 | M10x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |






| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK50E-SF03-80 | 03 | 15 | 20 | 80 | 54 | - | - | - |
| HSK50E-SF04-80 | 04 | 15 | 20 | 80 | 54 | - | - | - |
| HSK50E-SF05-80 | 05 | 15 | 20 | 80 | 54 | - | - | - |
| HSK50E-SF06-80 | 06 | 21 | 27 | 80 | 54 | 36 | 10 | M5 |
| HSK50E-SF08-80 | 08 | 21 | 27 | 80 | 54 | 36 | 10 | M6 |
| HSK50E-SF10-85 | 10 | 24 | 32 | 85 | 59 | 42 | 10 | M8x1 |
| HSK50E-SF12-90 | 12 | 24 | 32 | 90 | 64 | 47 | 10 | M10x1 |
| HSK50E-SF14-90 | 14 | 27 | 34 | 90 | 64 | 47 | 10 | M10x1 |
| HSK50E-SF16-95 | 16 | 27 | 34 | 95 | 69 | 50 | 10 | M12x1 |
| HSK50E-SF18-95 | 18 | 33 | 41 | 95 | 69 | 50 | 10 | M12x1 |
| HSK50E-SF20-100 | 20 | 33 | 41 | 100 | 74 | 52 | 10 | M16x1 |
| | | | | | | | | |
| HSK63E-SF06-90 | 06 | 21 | 27 | 90 | 64 | 36 | 10 | M5 |
| HSK63E-SF08-90 | 08 | 21 | 27 | 90 | 64 | 36 | 10 | M6 |
| HSK63E-SF10-90 | 10 | 24 | 32 | 90 | 64 | 42 | 10 | M8x1 |
| HSK63E-SF12-90 | 12 | 24 | 32 | 90 | 64 | 47 | 10 | M10x1 |
| HSK63E-SF14-90 | 14 | 27 | 34 | 90 | 64 | 47 | 10 | M10x1 |
| HSK63E-SF16-95 | 16 | 27 | 34 | 95 | 69 | 50 | 10 | M12x1 |
| HSK63E-SF18-95 | 18 | 33 | 42 | 95 | 69 | 50 | 10 | M12x1 |
| HSK63E-SF20-100 | 20 | 33 | 42 | 100 | 74 | 52 | 10 | M16x1 |
| HSK63E-SF25-115 | 25 | 44 | 53 | 115 | 89 | 58 | 10 | M16x1 |

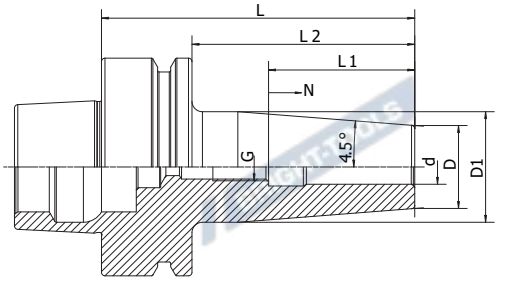
Inch

| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK40E-SF1/8"-3.54" | 1/8" | 0.36" | 0.47" | 3.54" | 2.76" | 0.79" | - | - |
| HSK40E-SF3/16"-3.54" | 3/16" | 0.63" | 0.71" | 3.54" | 2.76" | 0.79" | - | - |
| HSK40E-SF1/4"-3.54" | 1/4" | 0.71" | 1.06" | 3.54" | 2.76" | 1.42" | 0.39" | M5 |
| HSK40E-SF5/16"-3.54" | 5/16" | 0.83" | 1.06" | 3.54" | 2.76" | 1.42" | 0.39" | M6 |
| HSK40E-SF3/8"-3.54" | 3/8" | 0.94" | 1.26" | 3.54" | 2.76" | 1.65" | 0.39" | M8 x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



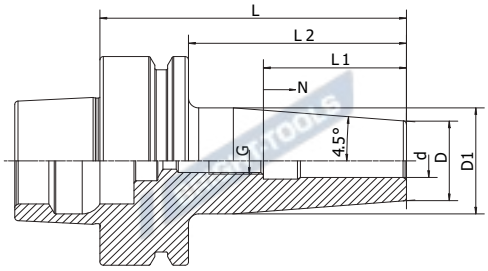



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK40F-SF03-60 | 03 | 15 | 20 | 60 | 40 | - | - | - |
| HSK40F-SF04-60 | 04 | 15 | 20 | 60 | 40 | - | - | - |
| HSK40F-SF05-60 | 05 | 15 | 20 | 60 | 40 | - | - | - |
| HSK40F-SF06-65 | 06 | 21 | 27 | 65 | 45 | 36 | 5 | M5 |
| HSK40F-SF08-65 | 08 | 21 | 27 | 65 | 45 | 36 | 5 | M6 |
| HSK40F-SF10-65 | 10 | 24 | 31 | 65 | 45 | 42 | 5 | M8x1 |
| HSK40F-SF12-65 | 12 | 24 | 31 | 65 | 45 | 42 | 5 | M10x1 |
| | | | | | | | | |
| HSK40F-SF06-80 | 06 | 21 | 27 | 80 | 60 | 36 | 10 | M5 |
| HSK40F-SF08-80 | 08 | 21 | 27 | 80 | 60 | 36 | 10 | M6 |
| HSK40F-SF10-80 | 10 | 24 | 32 | 80 | 60 | 42 | 10 | M8x1 |
| HSK40F-SF12-90 | 12 | 24 | 32 | 90 | 70 | 47 | 10 | M10x1 |
| HSK40F-SF16-90 | 16 | 27 | 34 | 90 | 70 | 50 | 10 | M12x1 |
| | | | | | | | | |
| HSK63F-SF03-90 | 03 | 15 | 20 | 90 | 64 | - | - | - |
| HSK63F-SF04-90 | 04 | 15 | 20 | 90 | 64 | - | - | - |
| HSK63F-SF05-90 | 05 | 15 | 20 | 90 | 64 | - | - | - |
| HSK63F-SF06-90 | 06 | 21 | 27 | 90 | 64 | 36 | 10 | M5 |
| HSK63F-SF08-90 | 08 | 21 | 27 | 90 | 64 | 36 | 10 | M6 |
| HSK63F-SF10-90 | 10 | 24 | 32 | 90 | 64 | 42 | 10 | M8x1 |
| HSK63F-SF12-90 | 12 | 24 | 32 | 90 | 64 | 47 | 10 | M10x1 |
| HSK63F-SF14-95 | 14 | 27 | 34 | 95 | 69 | 47 | 10 | M10x1 |
| HSK63F-SF16-95 | 16 | 27 | 34 | 95 | 69 | 50 | 10 | M12x1 |
| HSK63F-SF18-95 | 18 | 33 | 42 | 95 | 69 | 50 | 10 | M12x1 |
| HSK63F-SF20-100 | 20 | 33 | 42 | 100 | 74 | 52 | 10 | M16x1 |
| HSK63F-SF25-115 | 25 | 36 | 42 | 115 | 89 | 58 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Standard
# 热缩刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |






| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK63F-SF03-120 | 03 | 15 | 20 | 120 | 94 | - | - | - |
| HSK63F-SF04-120 | 04 | 15 | 20 | 120 | 94 | - | - | - |
| HSK63F-SF05-120 | 05 | 15 | 20 | 120 | 94 | - | - | - |
| HSK63F-SF06-120 | 06 | 21 | 27 | 120 | 94 | 36 | 10 | M5 |
| HSK63F-SF08-120 | 08 | 21 | 27 | 120 | 94 | 36 | 10 | M6 |
| HSK63F-SF10-120 | 10 | 24 | 32 | 120 | 94 | 42 | 10 | M8x1 |
| HSK63F-SF12-120 | 12 | 24 | 32 | 120 | 94 | 47 | 10 | M10x1 |
| HSK63F-SF14-120 | 14 | 27 | 34 | 120 | 94 | 47 | 10 | M10x1 |
| HSK63F-SF16-120 | 16 | 27 | 34 | 120 | 94 | 50 | 10 | M12x1 |
| HSK63F-SF18-120 | 18 | 33 | 42 | 120 | 94 | 50 | 10 | M12x1 |
| HSK63F-SF20-120 | 20 | 33 | 42 | 120 | 94 | 52 | 10 | M16x1 |
| | | | | | | | | |
| HSK63F-SF03-160 | 03 | 15 | 27 | 160 | 134 | - | - | - |
| HSK63F-SF04-160 | 04 | 15 | 27 | 160 | 134 | - | - | - |
| HSK63F-SF05-160 | 05 | 15 | 27 | 160 | 134 | - | - | - |
| HSK63F-SF06-160 | 06 | 21 | 32 | 160 | 134 | 36 | 10 | M5 |
| HSK63F-SF08-160 | 08 | 21 | 32 | 160 | 134 | 36 | 10 | M6 |
| HSK63F-SF10-160 | 10 | 24 | 34 | 160 | 134 | 42 | 10 | M8x1 |
| HSK63F-SF12-160 | 12 | 24 | 34 | 160 | 134 | 47 | 10 | M10x1 |
| HSK63F-SF14-160 | 14 | 27 | 42 | 160 | 134 | 47 | 10 | M10x1 |
| HSK63F-SF16-160 | 16 | 27 | 42 | 160 | 134 | 50 | 10 | M12x1 |
| HSK63F-SF18-160 | 18 | 33 | 51 | 160 | 134 | 50 | 10 | M12x1 |
| HSK63F-SF20-160 | 20 | 33 | 51 | 160 | 134 | 52 | 10 | M16x1 |

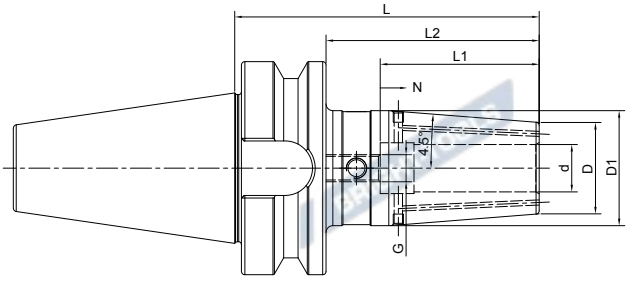
Inch

| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK63F-SF1/4"-3.54" | 1/4" | 0.83" | 1.06" | 3.54 | 2.52 | 1.42" | | M5 |
| HSK63F-SF5/16"-3.54" | 5/16" | 0.83" | 1.06" | 3.54 | 2.52 | 1.42" | | M6 |
| HSK63F-SF3/8"-3.54" | 3/8" | 0.94" | 1.26" | 3.54 | 2.52 | 1.65" | | M8 x 1 |
| HSK63F-SF1/2"-3.54" | 1/2" | 1.06" | 1.34" | 3.54 | 2.52 | 1.85" | | M10 x 1 |
| HSK63F-SF5/8"-3.74" | 5/8" | 1.06" | 1.34" | 3.74" | 2..72 | 1.97" | | M12 x 1 |
| HSK63F-SF3/4"-3.94" | 3/4" | 1.30" | 1.65" | 3.94" | 2.91 | 2.05" | | M16 x1 |
| HSK63F-SF1.0"-4.53" | 1" | 1.73" | 2.09" | 4.53" | 3.5 | 2.44" | | M16 x 1 |

# Shrink Fit Chuck, 4.5°, Coolant
# 热缩刀柄，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



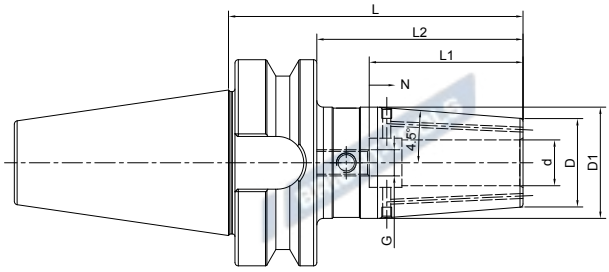



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BT40-SF03-80K | 03 | 15 | 20 | 80 | 53 | - | - | - |
| BT40-SF04-80K | 04 | 15 | 20 | 80 | 53 | - | - | - |
| BT40-SF05-80K | 05 | 15 | 20 | 80 | 53 | - | - | - |
| BT40-SF06-90K | 06 | 21 | 27 | 90 | 63 | 36 | 10 | M5 |
| BT40-SF08-90K | 08 | 21 | 27 | 90 | 63 | 36 | 10 | M6 |
| BT40-SF10-90K | 10 | 24 | 32 | 90 | 63 | 42 | 10 | M8x1 |
| BT40-SF12-90K | 12 | 24 | 32 | 90 | 63 | 47 | 10 | M10x1 |
| BT40-SF14-90K | 14 | 27 | 34 | 90 | 63 | 47 | 10 | M10x1 |
| BT40-SF16-90K | 16 | 27 | 34 | 90 | 63 | 50 | 10 | M12x1 |
| BT40-SF18-90K | 18 | 33 | 42 | 90 | 63 | 50 | 10 | M12x1 |
| BT40-SF20-90K | 20 | 33 | 42 | 90 | 63 | 52 | 10 | M16x1 |
| BT40-SF25-100K | 25 | 44 | 53 | 100 | 73 | 58 | 10 | M16x1 |
| BT40-SF32-100K | 32 | 44 | 53 | 100 | 73 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BT40-SF06-120K | 06 | 21 | 27 | 120 | 93 | 36 | 10 | M5 |
| BT40-SF08-120K | 08 | 21 | 27 | 120 | 93 | 36 | 10 | M6 |
| BT40-SF10-120K | 10 | 24 | 32 | 120 | 93 | 42 | 10 | M8x1 |
| BT40-SF12-120K | 12 | 24 | 32 | 120 | 93 | 47 | 10 | M10x1 |
| BT40-SF14-120K | 14 | 27 | 34 | 120 | 93 | 47 | 10 | M10x1 |
| BT40-SF16-120K | 16 | 27 | 34 | 120 | 93 | 50 | 10 | M12x1 |
| BT40-SF18-120K | 18 | 33 | 42 | 120 | 93 | 50 | 10 | M12x1 |
| BT40-SF20-120K | 20 | 33 | 42 | 120 | 93 | 52 | 10 | M16x1 |
| BT40-SF25-120K | 25 | 44 | 53 | 120 | 93 | 58 | 10 | M16x1 |
| BT40-SF32-120K | 32 | 44 | 53 | 120 | 93 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BT40-SF06-160K | 06 | 21 | 32 | 160 | 133 | 36 | 10 | M5 |
| BT40-SF08-160K | 08 | 21 | 32 | 160 | 133 | 36 | 10 | M6 |
| BT40-SF10-160K | 10 | 24 | 34 | 160 | 133 | 42 | 10 | M8x1 |
| BT40-SF12-160K | 12 | 24 | 34 | 160 | 133 | 47 | 10 | M10x1 |
| BT40-SF14-160K | 14 | 27 | 42 | 160 | 133 | 47 | 10 | M10x1 |
| BT40-SF16-160K | 16 | 27 | 42 | 160 | 133 | 50 | 10 | M12x1 |
| BT40-SF18-160K | 18 | 33 | 51 | 160 | 133 | 50 | 10 | M12x1 |
| BT40-SF20-160K | 20 | 33 | 51 | 160 | 133 | 52 | 10 | M16x1 |
| BT40-SF25-160K | 25 | 44 | 53 | 160 | 133 | 58 | 10 | M16x1 |
| BT40-SF32-160K | 32 | 44 | 53 | 160 | 133 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
# 热缩刀柄，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



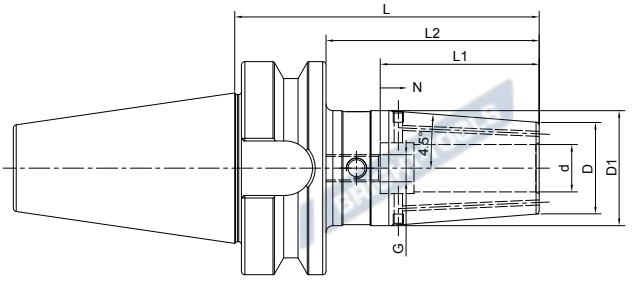



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BT50-SF06-100K | 06 | 21 | 27 | 100 | 62 | 36 | 10 | M5 |
| BT50-SF08-100K | 08 | 21 | 27 | 100 | 62 | 36 | 10 | M6 |
| BT50-SF10-100K | 10 | 24 | 32 | 100 | 62 | 42 | 10 | M8x1 |
| BT50-SF12-100K | 12 | 24 | 32 | 100 | 62 | 47 | 10 | M10x1 |
| BT50-SF14-100K | 14 | 27 | 34 | 100 | 62 | 47 | 10 | M10x1 |
| BT50-SF16-100K | 16 | 27 | 34 | 100 | 62 | 50 | 10 | M12x1 |
| BT50-SF18-100K | 18 | 33 | 42 | 100 | 62 | 50 | 10 | M12x1 |
| BT50-SF20-100K | 20 | 33 | 42 | 100 | 62 | 52 | 10 | M16x1 |
| BT50-SF25-110K | 25 | 44 | 53 | 110 | 72 | 58 | 10 | M16x1 |
| BT50-SF32-110K | 32 | 44 | 53 | 110 | 72 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BT50-SF06-120K | 06 | 21 | 27 | 120 | 82 | 36 | 10 | M5 |
| BT50-SF08-120K | 08 | 21 | 27 | 120 | 82 | 36 | 10 | M6 |
| BT50-SF10-120K | 10 | 24 | 32 | 120 | 82 | 42 | 10 | M8x1 |
| BT50-SF12-120K | 12 | 24 | 32 | 120 | 82 | 47 | 10 | M10x1 |
| BT50-SF14-120K | 14 | 27 | 34 | 120 | 82 | 47 | 10 | M10x1 |
| BT50-SF16-120K | 16 | 27 | 34 | 120 | 82 | 50 | 10 | M12x1 |
| BT50-SF18-120K | 18 | 33 | 42 | 120 | 82 | 50 | 10 | M12x1 |
| BT50-SF20-120K | 20 | 33 | 42 | 120 | 82 | 52 | 10 | M16x1 |
| BT50-SF25-120K | 25 | 44 | 53 | 120 | 82 | 58 | 10 | M16x1 |
| BT50-SF32-120K | 32 | 44 | 53 | 120 | 82 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BT50-SF06-160K | 06 | 21 | 32 | 160 | 122 | 36 | 10 | M5 |
| BT50-SF08-160K | 08 | 21 | 32 | 160 | 122 | 36 | 10 | M6 |
| BT50-SF10-160K | 10 | 24 | 34 | 160 | 122 | 42 | 10 | M8x1 |
| BT50-SF12-160K | 12 | 24 | 34 | 160 | 122 | 47 | 10 | M10x1 |
| BT50-SF14-160K | 14 | 27 | 42 | 160 | 122 | 47 | 10 | M10x1 |
| BT50-SF16-160K | 16 | 27 | 42 | 160 | 122 | 50 | 10 | M12x1 |
| BT50-SF18-160K | 18 | 33 | 51 | 160 | 122 | 50 | 10 | M12x1 |
| BT50-SF20-160K | 20 | 33 | 51 | 160 | 122 | 52 | 10 | M16x1 |
| BT50-SF25-160K | 25 | 44 | 60 | 160 | 122 | 58 | 10 | M16x1 |
| BT50-SF32-160K | 32 | 44 | 60 | 160 | 122 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
# 热缩刀柄，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



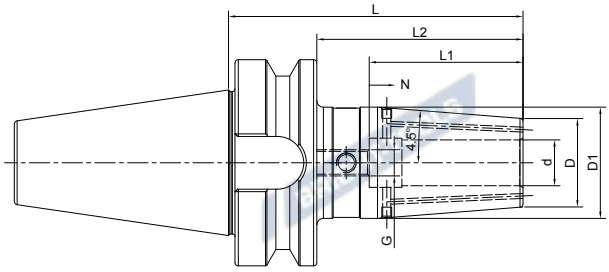



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BBT40-SF03-80K | 03 | 15 | 20 | 80 | 53 | - | - | - |
| BBT40-SF04-80K | 04 | 15 | 20 | 80 | 53 | - | - | - |
| BBT40-SF05-80K | 05 | 15 | 20 | 80 | 53 | - | - | - |
| BBT40-SF06-90K | 06 | 21 | 27 | 90 | 63 | 36 | 10 | M5 |
| BBT40-SF08-90K | 08 | 21 | 27 | 90 | 63 | 36 | 10 | M6 |
| BBT40-SF10-90K | 10 | 24 | 32 | 90 | 63 | 42 | 10 | M8x1 |
| BBT40-SF12-90K | 12 | 24 | 32 | 90 | 63 | 47 | 10 | M10x1 |
| BBT40-SF14-90K | 14 | 27 | 34 | 90 | 63 | 47 | 10 | M10x1 |
| BBT40-SF16-90K | 16 | 27 | 34 | 90 | 63 | 50 | 10 | M12x1 |
| BBT40-SF18-90K | 18 | 33 | 42 | 90 | 63 | 50 | 10 | M12x1 |
| BBT40-SF20-90K | 20 | 33 | 42 | 90 | 63 | 52 | 10 | M16x1 |
| BBT40-SF25-100K | 25 | 44 | 53 | 100 | 73 | 58 | 10 | M16x1 |
| BBT40-SF32-100K | 32 | 44 | 53 | 100 | 73 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BBT40-SF06-120K | 06 | 21 | 27 | 120 | 93 | 36 | 10 | M5 |
| BBT40-SF08-120K | 08 | 21 | 27 | 120 | 93 | 36 | 10 | M6 |
| BBT40-SF10-120K | 10 | 24 | 32 | 120 | 93 | 42 | 10 | M8x1 |
| BBT40-SF12-120K | 12 | 24 | 32 | 120 | 93 | 47 | 10 | M10x1 |
| BBT40-SF14-120K | 14 | 27 | 34 | 120 | 93 | 47 | 10 | M10x1 |
| BBT40-SF16-120K | 16 | 27 | 34 | 120 | 93 | 50 | 10 | M12x1 |
| BBT40-SF18-120K | 18 | 33 | 42 | 120 | 93 | 50 | 10 | M12x1 |
| BBT40-SF20-120K | 20 | 33 | 42 | 120 | 93 | 52 | 10 | M16x1 |
| BBT40-SF25-120K | 25 | 44 | 53 | 120 | 93 | 58 | 10 | M16x1 |
| BBT40-SF32-120K | 32 | 44 | 53 | 120 | 93 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BBT40-SF06-160K | 06 | 21 | 32 | 160 | 133 | 36 | 10 | M5 |
| BBT40-SF08-160K | 08 | 21 | 32 | 160 | 133 | 36 | 10 | M6 |
| BBT40-SF10-160K | 10 | 24 | 34 | 160 | 133 | 42 | 10 | M8x1 |
| BBT40-SF12-160K | 12 | 24 | 34 | 160 | 133 | 47 | 10 | M10x1 |
| BBT40-SF14-160K | 14 | 27 | 42 | 160 | 133 | 47 | 10 | M10x1 |
| BBT40-SF16-160K | 16 | 27 | 42 | 160 | 133 | 50 | 10 | M12x1 |
| BBT40-SF18-160K | 18 | 33 | 51 | 160 | 133 | 50 | 10 | M12x1 |
| BBT40-SF20-160K | 20 | 33 | 51 | 160 | 133 | 52 | 10 | M16x1 |
| BBT40-SF25-160K | 25 | 44 | 53 | 160 | 133 | 58 | 10 | M16x1 |
| BBT40-SF32-160K | 32 | 44 | 53 | 160 | 133 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
## 热缩刀柄 , 端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



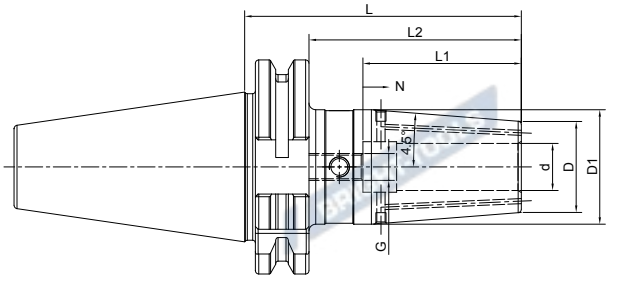



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| BBT50-SF06-100K | 06 | 21 | 27 | 100 | 62 | 36 | 10 | M5 |
| BBT50-SF08-100K | 08 | 21 | 27 | 100 | 62 | 36 | 10 | M6 |
| BBT50-SF10-100K | 10 | 24 | 32 | 100 | 62 | 42 | 10 | M8x1 |
| BBT50-SF12-100K | 12 | 24 | 32 | 100 | 62 | 47 | 10 | M10x1 |
| BBT50-SF14-100K | 14 | 27 | 34 | 100 | 62 | 47 | 10 | M10x1 |
| BBT50-SF16-100K | 16 | 27 | 34 | 100 | 62 | 50 | 10 | M12x1 |
| BBT50-SF18-100K | 18 | 33 | 42 | 100 | 62 | 50 | 10 | M12x1 |
| BBT50-SF20-100K | 20 | 33 | 42 | 100 | 62 | 52 | 10 | M16x1 |
| BBT50-SF25-110K | 25 | 44 | 53 | 110 | 72 | 58 | 10 | M16x1 |
| BBT50-SF32-110K | 32 | 44 | 53 | 110 | 72 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BBT50-SF06-120K | 06 | 21 | 27 | 120 | 82 | 36 | 10 | M5 |
| BBT50-SF08-120K | 08 | 21 | 27 | 120 | 82 | 36 | 10 | M6 |
| BBT50-SF10-120K | 10 | 24 | 32 | 120 | 82 | 42 | 10 | M8x1 |
| BBT50-SF12-120K | 12 | 24 | 32 | 120 | 82 | 47 | 10 | M10x1 |
| BBT50-SF14-120K | 14 | 27 | 34 | 120 | 82 | 47 | 10 | M10x1 |
| BBT50-SF16-120K | 16 | 27 | 34 | 120 | 82 | 50 | 10 | M12x1 |
| BBT50-SF18-120K | 18 | 33 | 42 | 120 | 82 | 50 | 10 | M12x1 |
| BBT50-SF20-120K | 20 | 33 | 42 | 120 | 82 | 52 | 10 | M16x1 |
| BBT50-SF25-120K | 25 | 44 | 53 | 120 | 82 | 58 | 10 | M16x1 |
| BBT50-SF32-120K | 32 | 44 | 53 | 120 | 82 | 62 | 10 | M16x1 |
| | | | | | | | | |
| BBT50-SF06-160K | 06 | 21 | 32 | 160 | 122 | 36 | 10 | M5 |
| BBT50-SF08-160K | 08 | 21 | 32 | 160 | 122 | 36 | 10 | M6 |
| BBT50-SF10-160K | 10 | 24 | 34 | 160 | 122 | 42 | 10 | M8x1 |
| BBT50-SF12-160K | 12 | 24 | 34 | 160 | 122 | 47 | 10 | M10x1 |
| BBT50-SF14-160K | 14 | 27 | 42 | 160 | 122 | 47 | 10 | M10x1 |
| BBT50-SF16-160K | 16 | 27 | 42 | 160 | 122 | 50 | 10 | M12x1 |
| BBT50-SF18-160K | 18 | 33 | 51 | 160 | 122 | 50 | 10 | M12x1 |
| BBT50-SF20-160K | 20 | 33 | 51 | 160 | 122 | 52 | 10 | M16x1 |
| BBT50-SF25-160K | 25 | 44 | 60 | 160 | 122 | 58 | 10 | M16x1 |
| BBT50-SF32-160K | 32 | 44 | 60 | 160 | 122 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
# 热缩刀柄，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD/B |



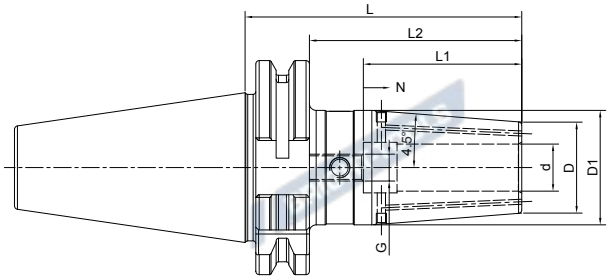



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| SK40-SF03-80K | 03 | 15 | 20 | 80 | 60.9 | - | - | - |
| SK40-SF04-80K | 04 | 15 | 20 | 80 | 60.9 | - | - | - |
| SK40-SF05-80K | 05 | 15 | 20 | 80 | 60.9 | - | - | - |
| SK40-SF06-80K | 06 | 21 | 27 | 80 | 60.9 | 36 | 10 | M5 |
| SK40-SF08-80K | 08 | 21 | 27 | 80 | 60.9 | 36 | 10 | M6 |
| SK40-SF10-80K | 10 | 24 | 32 | 80 | 60.9 | 42 | 10 | M8x1 |
| SK40-SF12-80K | 12 | 24 | 32 | 80 | 60.9 | 47 | 10 | M10x1 |
| SK40-SF14-80K | 14 | 27 | 34 | 80 | 60.9 | 47 | 10 | M10x1 |
| SK40-SF16-80K | 16 | 27 | 34 | 80 | 60.9 | 50 | 10 | M12x1 |
| SK40-SF18-80K | 18 | 33 | 42 | 80 | 60.9 | 50 | 10 | M12x1 |
| SK40-SF20-80K | 20 | 33 | 42 | 80 | 60.9 | 52 | 10 | M16x1 |
| SK40-SF25-100K | 25 | 44 | 50 | 100 | 80.9 | 58 | 10 | M16x1 |
| SK40-SF32-100K | 32 | 44 | 50 | 100 | 80.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| SK40-SF06-120K | 06 | 21 | 27 | 120 | 100.9 | 36 | 10 | M5 |
| SK40-SF08-120K | 08 | 21 | 27 | 120 | 100.9 | 36 | 10 | M6 |
| SK40-SF10-120K | 10 | 24 | 32 | 120 | 100.9 | 42 | 10 | M8x1 |
| SK40-SF12-120K | 12 | 24 | 32 | 120 | 100.9 | 47 | 10 | M10x1 |
| SK40-SF14-120K | 14 | 27 | 34 | 120 | 100.9 | 47 | 10 | M10x1 |
| SK40-SF16-120K | 16 | 27 | 34 | 120 | 100.9 | 50 | 10 | M12x1 |
| SK40-SF18-120K | 18 | 33 | 42 | 120 | 100.9 | 50 | 10 | M12x1 |
| SK40-SF20-120K | 20 | 33 | 42 | 120 | 100.9 | 52 | 10 | M16x1 |
| | | | | | | | | |
| SK40-SF06-160K | 06 | 21 | 32 | 160 | 140.9 | 36 | 10 | M5 |
| SK40-SF08-160K | 08 | 21 | 32 | 160 | 140.9 | 36 | 10 | M6 |
| SK40-SF10-160K | 10 | 24 | 34 | 160 | 140.9 | 42 | 10 | M8x1 |
| SK40-SF12-160K | 12 | 24 | 34 | 160 | 140.9 | 47 | 10 | M10x1 |
| SK40-SF14-160K | 14 | 27 | 42 | 160 | 140.9 | 47 | 10 | M10x1 |
| SK40-SF16-160K | 16 | 27 | 42 | 160 | 140.9 | 50 | 10 | M12x1 |
| SK40-SF18-160K | 18 | 33 | 50 | 160 | 140.9 | 50 | 10 | M12x1 |
| SK40-SF20-160K | 20 | 33 | 50 | 160 | 140.9 | 52 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
# 热缩刀柄，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



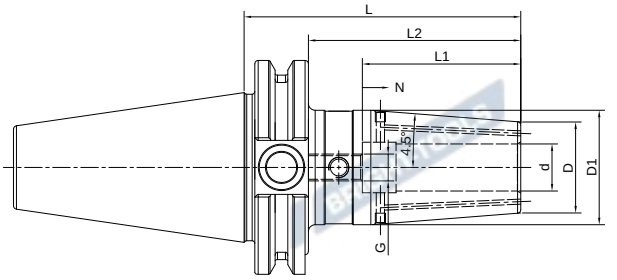



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| SK50-SF06-80K | 06 | 21 | 27 | 80 | 60.9 | 36 | 10 | M5 |
| SK50-SF08-80K | 08 | 21 | 27 | 80 | 60.9 | 36 | 10 | M6 |
| SK50-SF10-80K | 10 | 24 | 32 | 80 | 60.9 | 42 | 10 | M8x1 |
| SK50-SF12-80K | 12 | 24 | 32 | 80 | 60.9 | 47 | 10 | M10x1 |
| SK50-SF14-80K | 14 | 27 | 34 | 80 | 60.9 | 47 | 10 | M10x1 |
| SK50-SF16-80K | 16 | 27 | 34 | 80 | 60.9 | 50 | 10 | M12x1 |
| SK50-SF18-80K | 18 | 33 | 42 | 80 | 60.9 | 50 | 10 | M12x1 |
| SK50-SF20-80K | 20 | 33 | 42 | 80 | 60.9 | 52 | 10 | M16x1 |
| SK50-SF25-90K | 25 | 44 | 53 | 90 | 70.9 | 58 | 10 | M16x1 |
| SK50-SF32-90K | 32 | 44 | 53 | 90 | 70.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| SK50-SF06-120K | 06 | 21 | 27 | 120 | 100.9 | 36 | 10 | M5 |
| SK50-SF08-120K | 08 | 21 | 27 | 120 | 100.9 | 36 | 10 | M6 |
| SK50-SF10-120K | 10 | 24 | 32 | 120 | 100.9 | 42 | 10 | M8x1 |
| SK50-SF12-120K | 12 | 24 | 32 | 120 | 100.9 | 47 | 10 | M10x1 |
| SK50-SF14-120K | 14 | 27 | 34 | 120 | 100.9 | 47 | 10 | M10x1 |
| SK50-SF16-120K | 16 | 27 | 34 | 120 | 100.9 | 50 | 10 | M12x1 |
| SK50-SF18-120K | 18 | 33 | 42 | 120 | 100.9 | 50 | 10 | M12x1 |
| SK50-SF20-120K | 20 | 33 | 42 | 120 | 100.9 | 52 | 10 | M16x1 |
| SK50-SF25-120K | 25 | 44 | 53 | 120 | 100.9 | 58 | 10 | M16x1 |
| SK50-SF32-120K | 32 | 44 | 53 | 120 | 100.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| SK50-SF06-160K | 06 | 21 | 32 | 160 | 140.9 | 36 | 10 | M5 |
| SK50-SF08-160K | 08 | 21 | 32 | 160 | 140.9 | 36 | 10 | M6 |
| SK50-SF10-160K | 10 | 24 | 34 | 160 | 140.9 | 42 | 10 | M8x1 |
| SK50-SF12-160K | 12 | 24 | 34 | 160 | 140.9 | 47 | 10 | M10x1 |
| SK50-SF14-160K | 14 | 27 | 42 | 160 | 140.9 | 47 | 10 | M10x1 |
| SK50-SF16-160K | 16 | 27 | 42 | 160 | 140.9 | 50 | 10 | M12x1 |
| SK50-SF18-160K | 18 | 33 | 51 | 160 | 140.9 | 50 | 10 | M12x1 |
| SK50-SF20-160K | 20 | 33 | 51 | 160 | 140.9 | 52 | 10 | M16x1 |
| SK50-SF25-160K | 25 | 44 | 60 | 160 | 140.9 | 58 | 10 | M16x1 |
| SK50-SF32-160K | 32 | 44 | 60 | 160 | 140.9 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
## 热缩刀柄，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



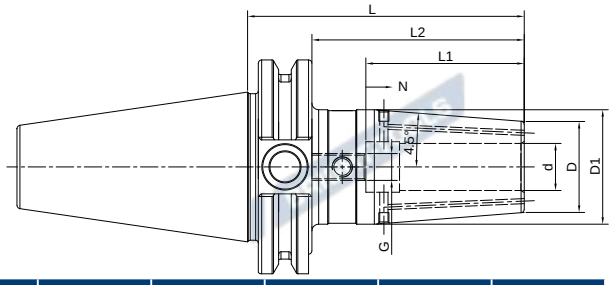



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| CAT40-SF03-80K | 03 | 15 | 20 | 80 | 60.9 | - | - | - |
| CAT40-SF04-80K | 04 | 15 | 20 | 80 | 60.9 | - | - | - |
| CAT40-SF05-80K | 05 | 15 | 20 | 80 | 60.9 | - | - | - |
| CAT40-SF06-80K | 06 | 21 | 27 | 80 | 60.9 | 36 | 10 | M5 |
| CAT40-SF08-80K | 08 | 21 | 27 | 80 | 60.9 | 36 | 10 | M6 |
| CAT40-SF10-80K | 10 | 24 | 31 | 80 | 60.9 | 42 | 10 | M8x1 |
| CAT40-SF12-80K | 12 | 24 | 31 | 80 | 60.9 | 47 | 10 | M10x1 |
| CAT40-SF14-80K | 14 | 27 | 34 | 80 | 60.9 | 47 | 10 | M10x1 |
| CAT40-SF16-80K | 16 | 27 | 34 | 80 | 60.9 | 50 | 10 | M12x1 |
| CAT40-SF18-80K | 18 | 33 | 40 | 80 | 60.9 | 50 | 10 | M12x1 |
| CAT40-SF20-80K | 20 | 33 | 40 | 80 | 60.9 | 52 | 10 | M16x1 |
| CAT40-SF25-100K | 25 | 44 | 50 | 100 | 80.9 | 58 | 10 | M16x1 |
| CAT40-SF32-100K | 32 | 44 | 50 | 100 | 80.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| CAT40-SF06-120K | 06 | 21 | 27 | 120 | 100.9 | 36 | 10 | M5 |
| CAT40-SF08-120K | 08 | 21 | 27 | 120 | 100.9 | 36 | 10 | M6 |
| CAT40-SF10-120K | 10 | 24 | 32 | 120 | 100.9 | 42 | 10 | M8x1 |
| CAT40-SF12-120K | 12 | 24 | 32 | 120 | 100.9 | 47 | 10 | M10x1 |
| CAT40-SF14-120K | 14 | 27 | 34 | 120 | 100.9 | 47 | 10 | M10x1 |
| CAT40-SF16-120K | 16 | 27 | 34 | 120 | 100.9 | 50 | 10 | M12x1 |
| CAT40-SF18-120K | 18 | 33 | 42 | 120 | 100.9 | 50 | 10 | M12x1 |
| CAT40-SF20-120K | 20 | 33 | 42 | 120 | 100.9 | 52 | 10 | M16x1 |
| CAT40-SF25-120K | 25 | 44 | 50 | 120 | 100.9 | 58 | 10 | M16x1 |
| | | | | | | | | |
| CAT40-SF06-160K | 06 | 21 | 32 | 160 | 140.9 | 36 | 10 | M5 |
| CAT40-SF08-160K | 08 | 21 | 32 | 160 | 140.9 | 36 | 10 | M6 |
| CAT40-SF10-160K | 10 | 24 | 34 | 160 | 140.9 | 42 | 10 | M8x1 |
| CAT40-SF12-160K | 12 | 24 | 34 | 160 | 140.9 | 47 | 10 | M10x1 |
| CAT40-SF14-160K | 14 | 27 | 42 | 160 | 140.9 | 47 | 10 | M10x1 |
| CAT40-SF16-160K | 16 | 27 | 42 | 160 | 140.9 | 50 | 10 | M12x1 |
| CAT40-SF18-160K | 18 | 33 | 50 | 160 | 140.9 | 50 | 10 | M12x1 |
| CAT40-SF20-160K | 20 | 33 | 50 | 160 | 140.9 | 52 | 10 | M16x1 |
| CAT40-SF25-160K | 25 | 44 | 50 | 160 | 140.9 | 58 | 10 | M16x1 |
| CAT40-SF32-160K | 32 | 44 | 50 | 160 | 140.9 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
# 热缩刀柄，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



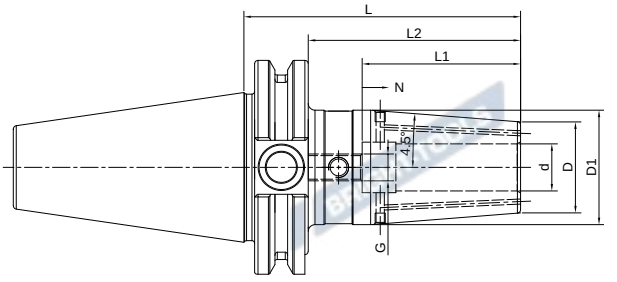



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| CAT50-SF06-80K | 06 | 21 | 27 | 80 | 60.9 | 36 | 10 | M5 |
| CAT50-SF08-80K | 08 | 21 | 27 | 80 | 60.9 | 36 | 10 | M6 |
| CAT50-SF10-80K | 10 | 24 | 31 | 80 | 60.9 | 42 | 10 | M8x1 |
| CAT50-SF12-80K | 12 | 24 | 31 | 80 | 60.9 | 47 | 10 | M10x1 |
| CAT50-SF14-80K | 14 | 27 | 34 | 80 | 60.9 | 47 | 10 | M10x1 |
| CAT50-SF16-80K | 16 | 27 | 34 | 80 | 60.9 | 50 | 10 | M12x1 |
| CAT50-SF18-80K | 18 | 33 | 40 | 80 | 60.9 | 50 | 10 | M12x1 |
| CAT50-SF20-80K | 20 | 33 | 39.5 | 80 | 60.9 | 52 | 10 | M16x1 |
| CAT50-SF25-100K | 25 | 44 | 52.5 | 100 | 80.9 | 58 | 10 | M16x1 |
| CAT50-SF32-100K | 32 | 44 | 52.5 | 100 | 80.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| CAT50-SF06-120K | 06 | 21 | 27 | 120 | 100.9 | 36 | 10 | M5 |
| CAT50-SF08-120K | 08 | 21 | 27 | 120 | 100.9 | 36 | 10 | M6 |
| CAT50-SF10-120K | 10 | 24 | 32 | 120 | 100.9 | 42 | 10 | M8x1 |
| CAT50-SF12-120K | 12 | 24 | 32 | 120 | 100.9 | 47 | 10 | M10x1 |
| CAT50-SF14-120K | 14 | 27 | 34 | 120 | 100.9 | 47 | 10 | M10x1 |
| CAT50-SF16-120K | 16 | 27 | 34 | 120 | 100.9 | 50 | 10 | M12x1 |
| CAT50-SF18-120K | 18 | 33 | 42 | 120 | 100.9 | 50 | 10 | M12x1 |
| CAT50-SF20-120K | 20 | 33 | 42 | 120 | 100.9 | 52 | 10 | M16x1 |
| CAT50-SF25-120K | 25 | 44 | 53 | 120 | 100.9 | 58 | 10 | M16x1 |
| CAT50-SF32-120K | 32 | 44 | 53 | 120 | 100.9 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
## 热缩刀柄 , 端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



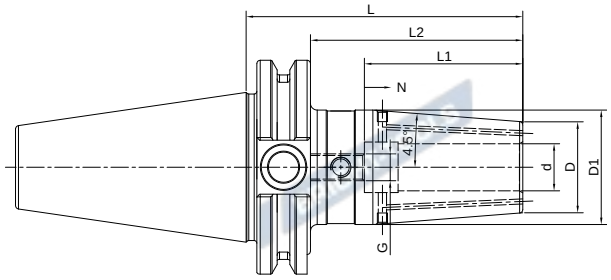



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| CAT50-SF06-160K | 06 | 21 | 32 | 160 | 140.9 | 36 | 10 | M5 |
| CAT50-SF08-160K | 08 | 21 | 32 | 160 | 140.9 | 36 | 10 | M6 |
| CAT50-SF10-160K | 10 | 24 | 34 | 160 | 140.9 | 42 | 10 | M8x1 |
| CAT50-SF12-160K | 12 | 24 | 34 | 160 | 140.9 | 47 | 10 | M10x1 |
| CAT50-SF14-160K | 14 | 27 | 42 | 160 | 140.9 | 47 | 10 | M10x1 |
| CAT50-SF16-160K | 16 | 27 | 42 | 160 | 140.9 | 50 | 10 | M12x1 |
| CAT50-SF18-160K | 18 | 33 | 51 | 160 | 140.9 | 50 | 10 | M12x1 |
| CAT50-SF20-160K | 20 | 33 | 51 | 160 | 140.9 | 52 | 10 | M16x1 |
| CAT50-SF25-160K | 25 | 44 | 60 | 160 | 140.9 | 58 | 10 | M16x1 |
| CAT50-SF32-160K | 32 | 44 | 60 | 160 | 140.9 | 62 | 10 | M16x1 |
| | | | | | | | | |
| CAT50-SF06-200K | 06 | 21 | 32 | 200 | 180.9 | 36 | 10 | M5 |
| CAT50-SF08-200K | 08 | 21 | 32 | 200 | 180.9 | 36 | 10 | M6 |
| CAT50-SF10-200K | 10 | 24 | 34 | 200 | 180.9 | 42 | 10 | M8x1 |
| CAT50-SF12-200K | 12 | 24 | 34 | 200 | 180.9 | 47 | 10 | M10x1 |
| CAT50-SF14-200K | 14 | 27 | 42 | 200 | 180.9 | 47 | 10 | M10x1 |
| CAT50-SF16-200K | 16 | 27 | 42 | 200 | 180.9 | 50 | 10 | M12x1 |
| CAT50-SF18-200K | 18 | 33 | 51 | 200 | 180.9 | 50 | 10 | M12x1 |
| CAT50-SF20-200K | 20 | 33 | 51 | 200 | 180.9 | 52 | 10 | M16x1 |
| CAT50-SF25-200K | 25 | 44 | 60 | 200 | 180.9 | 58 | 10 | M16x1 |
| CAT50-SF32-200K | 32 | 44 | 60 | 200 | 180.9 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
# 热缩刀柄，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





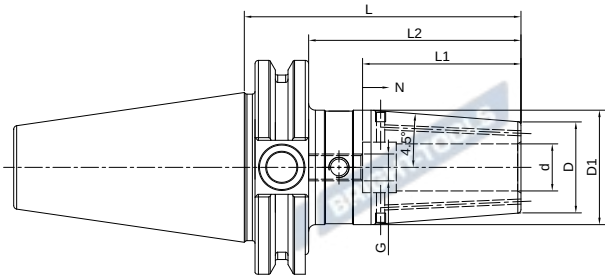

Inch

| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| CAT40-SF1/8-3.15"K | 0.125" | 0.59" | 0.79" | 3.15" | 2.40" | - | - | - |
| CAT40-SF3/16-3.15"K | 0.187" | 0.59" | 0.79" | 3.15" | 2.40" | - | - | - |
| CAT40-SF1/4-3.15"K | 0.250" | 0.83" | 1.06" | 3.15" | 2.40" | 1.42" | 0.39" | M5 |
| CAT40-SF5/16-3.15"K | 0.312" | 0.83" | 1.06" | 3.15" | 2.40" | 1.42" | 0.39" | M6 |
| CAT40-SF3/8-3.15"K | 0.375" | 0.94" | 1.26" | 3.15" | 2.40" | 1.65" | 0.39" | M8x1 |
| CAT40-SF1/2-3.15"K | 0.500" | 1.06" | 1.34" | 3.15" | 2.40" | 1.85" | 0.39" | M10x1 |
| CAT40-SF5/8-3.15"K | 0.625" | 1.06" | 1.34" | 3.15" | 2.40" | 1.97" | 0.39" | M12x1 |
| CAT40-SF3/4-3.15"K | 0.750" | 1.30" | 1.65" | 3.15" | 2.40" | 2.05" | 0.39" | M16x1 |
| CAT40-SF1-3.94"K | 1.000" | 1.73" | 2.09" | 3.94" | 2.56" | 2.44" | 0.39" | M16x1 |
| CAT40-SF1-1/4-3.94"K | 1.250" | 1.73" | 2.09" | 3.94" | 2.56" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| CAT40-SF1/8-4.72"K | 0.125" | 0.59" | 0.79" | 4.72" | 3.34" | - | - | - |
| CAT40-SF3/16-4.72"K | 0.187" | 0.59" | 0.79" | 4.72" | 3.34" | - | - | - |
| CAT40-SF1/4-4.72"K | 0.250" | 0.83" | 1.06" | 4.72" | 3.34" | 1.42" | 0.39" | M5 |
| CAT40-SF5/16-4.72"K | 0.312" | 0.83" | 1.06" | 4.72" | 3.34" | 1.42" | 0.39" | M6 |
| CAT40-SF3/8-4.72"K | 0.375" | 0.94" | 1.26" | 4.72" | 3.34" | 1.65" | 0.39" | M8x1 |
| CAT40-SF1/2-4.72"K | 0.500" | 1.06" | 1.34" | 4.72" | 3.34" | 1.85" | 0.39" | M10x1 |
| CAT40-SF5/8-4.72"K | 0.625" | 1.06" | 1.34" | 4.72" | 3.34" | 1.97" | 0.39" | M12x1 |
| CAT40-SF3/4-4.72"K | 0.750" | 1.30" | 1.65" | 4.72" | 3.34" | 2.05" | 0.39" | M16x1 |
| CAT40-SF1-4.72"K | 1.000" | 1.73" | 2.09" | 4.72" | 3.34" | 2.44" | 0.39" | M16x1 |
| CAT40-SF1-1/4-4.72"K | 1.250" | 1.73" | 2.09" | 4.72" | 3.34" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| CAT40-SF1/8-6.30"K | 0.125" | 0.59" | 0.79" | 6.30" | 4.92" | - | - | - |
| CAT40-SF3/16-6.30"K | 0.187" | 0.59" | 0.79" | 6.30" | 4.92" | - | - | - |
| CAT40-SF1/4-6.30"K | 0.250" | 0.83" | 1.26" | 6.30" | 4.92" | 1.42" | 0.39" | M5 |
| CAT40-SF5/16-6.30"K | 0.312" | 0.83" | 1.26" | 6.30" | 4.92" | 1.42" | 0.39" | M6 |
| CAT40-SF3/8-6.30"K | 0.375" | 0.94" | 1.34" | 6.30" | 4.92" | 1.65" | 0.39" | M8x1 |
| CAT40-SF1/2-6.30"K | 0.500" | 1.06" | 1.65" | 6.30" | 4.92" | 1.85" | 0.39" | M10x1 |
| CAT40-SF5/8-6.30"K | 0.625" | 1.06" | 1.65" | 6.30" | 4.92" | 1.97" | 0.39" | M12x1 |
| CAT40-SF3/4-6.30"K | 0.750" | 1.30" | 1.75" | 6.30" | 4.92" | 2.05" | 0.39" | M16x1 |
| CAT40-SF1-6.30"K | 1.000" | 1.73" | 2.09" | 6.30" | 4.92" | 2.44" | 0.39" | M16x1 |
| CAT40-SF1-1/4-6.30"K | 1.250" | 1.73" | 2.09" | 6.30" | 4.92" | 2.44" | 0.39" | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
# 热缩刀柄 , 端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



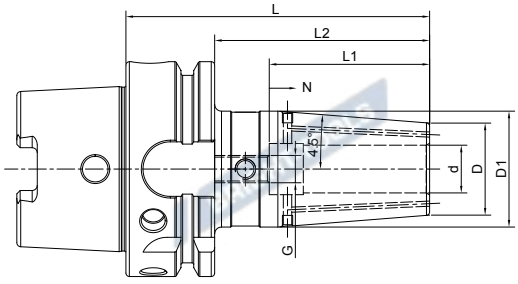



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| CAT50-SF1/4-3.15"K | 0.250" | 0.83" | 1.06" | 3.15" | 2.36" | 1.42" | 0.39" | M5 |
| CAT50-SF3/8-3.15"K | 0.375" | 0.94" | 1.26" | 3.15" | 2.36" | 1.65" | 0.39" | M8x1 |
| CAT50-SF1/2-3.15"K | 0.500" | 1.06" | 1.34" | 3.15" | 2.36" | 1.85" | 0.39" | M10x1 |
| CAT50-SF5/8-3.15"K | 0.625" | 1.06" | 1.34" | 3.15" | 2.36" | 1.97" | 0.39" | M12x1 |
| CAT50-SF3/4-3.15"K | 0.750" | 1.30" | 1.65" | 3.15" | 2.36" | 2.05" | 0.39" | M16x1 |
| CAT50-SF1-3.94"K | 1.000" | 1.73" | 2.09" | 3.94" | 2.75" | 2.44" | 0.39" | M16x1 |
| CAT50-SF1-1/4-3.94"K | 1.250" | 1.73" | 2.09" | 3.94" | 2.75" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| CAT50-SF1/4-4.72"K | 0.250" | 0.83" | 1.06" | 4.72" | 3.35" | 1.42" | 0.39" | M5 |
| CAT50-SF3/8-4.72"K | 0.375" | 0.94" | 1.26" | 4.72" | 3.35" | 1.65" | 0.39" | M8x1 |
| CAT50-SF1/2-4.72"K | 0.500" | 1.06" | 1.34" | 4.72" | 3.35" | 1.85" | 0.39" | M10x1 |
| CAT50-SF5/8-4.72"K | 0.625" | 1.06" | 1.34" | 4.72" | 3.35" | 1.97" | 0.39" | M12x1 |
| CAT50-SF3/4-4.72"K | 0.750" | 1.30" | 1.65" | 4.72" | 3.35" | 2.05" | 0.39" | M16x1 |
| CAT50-SF1-4.72"K | 1.000" | 1.73" | 2.09" | 4.72" | 3.35" | 2.44" | 0.39" | M16x1 |
| CAT50-SF1-1/4-4.72"K | 1.250" | 1.73" | 2.09" | 4.72" | 3.35" | 2.44" | 0.39" | M16x1 |
| | | | | | | | | |
| CAT50-SF1/4-6.30"K | 0.250" | 0.83" | 1.26" | 6.30" | 4.92" | 1.42" | 0.39" | M5 |
| CAT50-SF3/8-6.30"K | 0.375" | 0.94" | 1.34" | 6.30" | 4.92" | 1.65" | 0.39" | M8x1 |
| CAT50-SF1/2-6.30"K | 0.500" | 1.06" | 1.65" | 6.30" | 4.92" | 1.85" | 0.39" | M10x1 |
| CAT50-SF5/8-6.30"K | 0.625" | 1.06" | 1.65" | 6.30" | 4.92" | 1.97" | 0.39" | M12x1 |
| CAT50-SF3/4-6.30"K | 0.750" | 1.30" | 2.01" | 6.30" | 4.92" | 2.05" | 0.39" | M16x1 |
| CAT50-SF1-6.30"K | 1.000" | 1.73" | 2.36" | 6.30" | 4.92" | 2.44" | 0.39" | M16x1 |
| CAT50-SF1-1/4-6.30"K | 1.250" | 1.73" | 2.36" | 6.30" | 4.92" | 2.44" | 0.39" | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
# 热缩刀柄，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



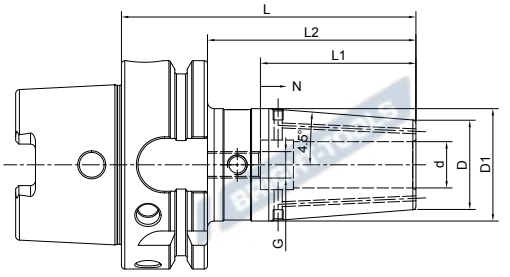



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK63A-SF03-80K | 03 | 15 | 20 | 80 | 54 | - | - | - |
| HSK63A-SF04-80K | 04 | 15 | 20 | 80 | 54 | - | - | - |
| HSK63A-SF05-80K | 05 | 15 | 20 | 80 | 54 | - | - | - |
| HSK63A-SF06-80K | 06 | 21 | 26.5 | 80 | 54 | 36 | 10 | M5 |
| HSK63A-SF08-80K | 08 | 21 | 26.5 | 80 | 54 | 36 | 10 | M6 |
| HSK63A-SF10-85K | 10 | 24 | 30.5 | 85 | 59 | 42 | 10 | M8x1 |
| HSK63A-SF12-90K | 12 | 24 | 31 | 90 | 64 | 47 | 10 | M10x1 |
| HSK63A-SF14-90K | 14 | 27 | 34 | 90 | 64 | 47 | 10 | M10x1 |
| HSK63A-SF16-95K | 16 | 27 | 34 | 95 | 69 | 50 | 10 | M12x1 |
| HSK63A-SF18-95K | 18 | 33 | 41 | 95 | 69 | 50 | 10 | M12x1 |
| HSK63A-SF20-100K | 20 | 33 | 42 | 100 | 74 | 52 | 10 | M16x1 |
| HSK63A-SF25-115K | 25 | 44 | 52.5 | 115 | 89 | 58 | 10 | M16x1 |
| HSK63A-SF32-120K | 32 | 44 | 52.5 | 120 | 94 | 62 | 10 | M16x1 |
| | | | | | | | | |
| HSK63A-SF03-120K | 03 | 15 | 20 | 120 | 94 | - | - | - |
| HSK63A-SF04-120K | 04 | 15 | 20 | 120 | 94 | - | - | - |
| HSK63A-SF05-120K | 05 | 15 | 20 | 120 | 94 | - | - | - |
| HSK63A-SF06-120K | 06 | 21 | 27 | 120 | 94 | 36 | 10 | M5 |
| HSK63A-SF08-120K | 08 | 21 | 27 | 120 | 94 | 36 | 10 | M6 |
| HSK63A-SF10-120K | 10 | 24 | 32 | 120 | 94 | 42 | 10 | M8x1 |
| HSK63A-SF12-120K | 12 | 24 | 32 | 120 | 94 | 47 | 10 | M10x1 |
| HSK63A-SF14-120K | 14 | 27 | 34 | 120 | 94 | 47 | 10 | M10x1 |
| HSK63A-SF16-120K | 16 | 27 | 34 | 120 | 94 | 50 | 10 | M12x1 |
| HSK63A-SF18-120K | 18 | 33 | 42 | 120 | 94 | 50 | 10 | M12x1 |
| HSK63A-SF20-120K | 20 | 33 | 42 | 120 | 94 | 52 | 10 | M16x1 |
| HSK63A-SF25-120K | 25 | 44 | 52.5 | 120 | 94 | 58 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
# 热缩刀柄，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



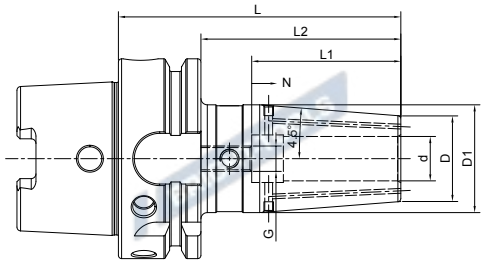



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK63A-SF03-160K | 03 | 15 | 25 | 160 | 134 | - | - | - |
| HSK63A-SF04-160K | 04 | 15 | 25 | 160 | 134 | - | - | - |
| HSK63A-SF05-160K | 05 | 15 | 25 | 160 | 134 | - | - | - |
| HSK63A-SF06-160K | 06 | 21 | 32 | 160 | 134 | 36 | 10 | M5 |
| HSK63A-SF08-160K | 08 | 21 | 32 | 160 | 134 | 36 | 10 | M6 |
| HSK63A-SF10-160K | 10 | 24 | 34 | 160 | 134 | 42 | 10 | M8x1 |
| HSK63A-SF12-160K | 12 | 24 | 34 | 160 | 134 | 47 | 10 | M10x1 |
| HSK63A-SF14-160K | 14 | 27 | 42 | 160 | 134 | 47 | 10 | M10x1 |
| HSK63A-SF16-160K | 16 | 27 | 42 | 160 | 134 | 50 | 10 | M12x1 |
| HSK63A-SF18-160K | 18 | 33 | 51 | 160 | 134 | 50 | 10 | M12x1 |
| HSK63A-SF20-160K | 20 | 33 | 51 | 160 | 134 | 52 | 10 | M16x1 |
| HSK63A-SF25-160K | 25 | 44 | 52.5 | 160 | 134 | 58 | 10 | M16x1 |
| HSK63A-SF32-160K | 32 | 44 | 52.5 | 160 | 134 | 62 | 10 | M16x1 |
| | | | | | | | | |
| HSK100A-SF06-85K | 06 | 21 | 26.5 | 85 | 56 | 36 | 10 | M5 |
| HSK100A-SF08-85K | 08 | 21 | 26.5 | 85 | 56 | 36 | 10 | M6 |
| HSK100A-SF10-90K | 10 | 24 | 30.5 | 90 | 61 | 42 | 10 | M8x1 |
| HSK100A-SF12-95K | 12 | 24 | 31 | 95 | 66 | 47 | 10 | M10x1 |
| HSK100A-SF14-95K | 14 | 27 | 34 | 95 | 66 | 47 | 10 | M10x1 |
| HSK100A-SF16-100K | 16 | 27 | 34 | 100 | 71 | 50 | 10 | M12x1 |
| HSK100A-SF18-100K | 18 | 33 | 42 | 100 | 71 | 50 | 10 | M12x1 |
| HSK100A-SF20-105K | 20 | 33 | 42 | 105 | 76 | 52 | 10 | M16x1 |
| HSK100A-SF25-115K | 25 | 44 | 53 | 115 | 86 | 58 | 10 | M16x1 |
| HSK100A-SF32-120K | 32 | 44 | 53 | 120 | 91 | 62 | 10 | M16x1 |

# Shrink Fit Chuck, 4.5°, Coolant
# 热缩刀柄，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



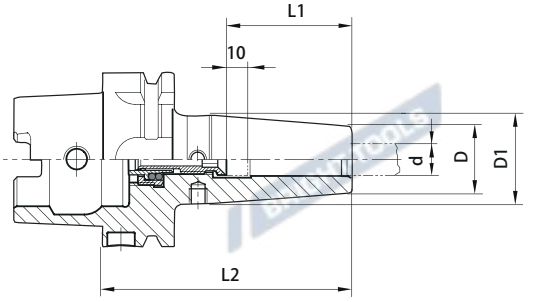



| Size | d | D | D1 | L | L2 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK100A-SF06-120K | 06 | 21 | 27 | 120 | 91 | 36 | 10 | M5 |
| HSK100A-SF08-120K | 08 | 21 | 27 | 120 | 91 | 36 | 10 | M6 |
| HSK100A-SF10-120K | 10 | 24 | 32 | 120 | 91 | 42 | 10 | M8x1 |
| HSK100A-SF12-120K | 12 | 24 | 32 | 120 | 91 | 47 | 10 | M10x1 |
| HSK100A-SF14-120K | 14 | 27 | 34 | 120 | 91 | 47 | 10 | M10x1 |
| HSK100A-SF16-120K | 16 | 27 | 34 | 120 | 91 | 50 | 10 | M12x1 |
| HSK100A-SF18-120K | 18 | 33 | 42 | 120 | 91 | 50 | 10 | M12x1 |
| HSK100A-SF20-120K | 20 | 33 | 42 | 120 | 91 | 52 | 10 | M16x1 |
| HSK100A-SF25-120K | 25 | 44 | 53 | 120 | 91 | 58 | 10 | M16x1 |
| | | | | | | | | |
| HSK100A-SF06-160K | 06 | 21 | 32 | 160 | 131 | 36 | 10 | M5 |
| HSK100A-SF08-160K | 08 | 21 | 32 | 160 | 131 | 36 | 10 | M6 |
| HSK100A-SF10-160K | 10 | 24 | 34 | 160 | 131 | 42 | 10 | M8x1 |
| HSK100A-SF12-160K | 12 | 24 | 34 | 160 | 131 | 47 | 10 | M10x1 |
| HSK100A-SF14-160K | 14 | 27 | 42 | 160 | 131 | 47 | 10 | M10x1 |
| HSK100A-SF16-160K | 16 | 27 | 42 | 160 | 131 | 50 | 10 | M12x1 |
| HSK100A-SF18-160K | 18 | 33 | 51 | 160 | 131 | 50 | 10 | M12x1 |
| HSK100A-SF20-160K | 20 | 33 | 51 | 160 | 131 | 52 | 10 | M16x1 |
| HSK100A-SF25-160K | 25 | 44 | 60 | 160 | 131 | 58 | 10 | M16x1 |
| HSK100A-SF32-160K | 32 | 44 | 60 | 160 | 131 | 62 | 10 | M16x1 |

# MQL1 Channel Shrink Fit Chuck
## 微润滑单通道热缩刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



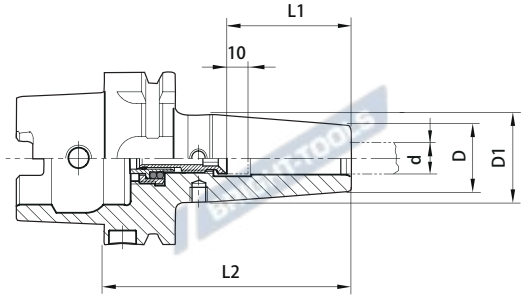



| Size | d | D | D1 | L1 | L2 |
|---|---|---|---|---|---|
| HSK32A-SF06-80 MQL1 | 06 | 21 | 25.5 | 36 | 80 |
| HSK32A-SF08-80 MQL1 | 08 | 21 | 25.5 | 36 | 80 |
| HSK32A-SF10-85 MQL1 | 10 | 24 | 31.7 | 40 | 85 |
| HSK32A-SF12-90 MQL1 | 12 | 24 | 32.3 | 45 | 90 |
| | | | | | |
| HSK40A-SF06-80 MQL1 | 06 | 21 | 27 | 36 | 80 |
| HSK40A-SF08-80 MQL1 | 08 | 21 | 27 | 36 | 80 |
| HSK40A-SF10-80 MQL1 | 10 | 24 | 32 | 40 | 80 |
| HSK40A-SF12-90 MQL1 | 12 | 24 | 32 | 45 | 90 |
| HSK40A-SF14-90 MQL1 | 14 | 27 | 33.5 | 45 | 90 |
| HSK40A-SF16-90 MQL1 | 16 | 27 | 33.5 | 48 | 90 |
| | | | | | |
| HSK50A-SF06-80 MQL1 | 06 | 21 | 27 | 36 | 80 |
| HSK50A-SF08-80 MQL1 | 08 | 21 | 27 | 36 | 80 |
| HSK50A-SF10-80 MQL1 | 10 | 24 | 32 | 40 | 80 |
| HSK50A-SF12-90 MQL1 | 12 | 24 | 32 | 45 | 90 |
| HSK50A-SF14-90 MQL1 | 14 | 27 | 34 | 45 | 90 |
| HSK50A-SF16-95 MQL1 | 16 | 27 | 34 | 48 | 95 |
| HSK50A-SF18-95 MQL1 | 18 | 33 | 41.5 | 48 | 95 |
| HSK50A-SF20-100 MQL1 | 20 | 33 | 41.5 | 50 | 100 |
| | | | | | |
| HSK63A-SF06-80 MQL1 | 06 | 21 | 27 | 36 | 80 |
| HSK63A-SF08-80 MQL1 | 08 | 21 | 27 | 36 | 80 |
| HSK63A-SF10-85 MQL1 | 10 | 24 | 32 | 40 | 85 |
| HSK63A-SF12-90 MQL1 | 12 | 24 | 32 | 45 | 90 |
| HSK63A-SF14-90 MQL1 | 14 | 27 | 34 | 45 | 90 |
| HSK63A-SF16-95 MQL1 | 16 | 27 | 34 | 48 | 95 |
| HSK63A-SF18-95 MQL1 | 18 | 33 | 42 | 48 | 95 |
| HSK63A-SF20-100 MQL1 | 20 | 33 | 42 | 50 | 100 |
| HSK63A-SF25-115 MQL1 | 25 | 44 | 52.5 | 56 | 115 |
| HSK63A-SF32-120 MQL1 | 32 | 44 | 52.5 | 60 | 120 |

# MQL1 Channel Shrink Fit Chuck
## 微润滑单通道热缩刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



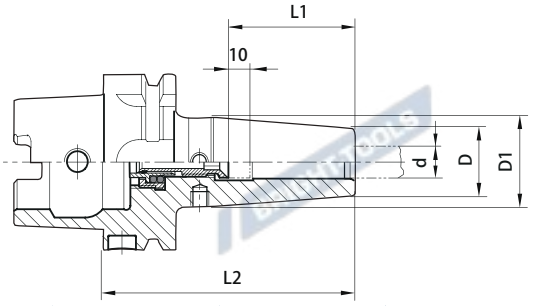



| Size | d | D | D1 | L1 | L2 |
|---|---|---|---|---|---|
| HSK63A-SF06-120 MQL1 | 06 | 21 | 27 | 36 | 120 |
| HSK63A-SF08-120 MQL1 | 08 | 21 | 27 | 36 | 120 |
| HSK63A-SF10-120 MQL1 | 10 | 24 | 32 | 40 | 120 |
| HSK63A-SF12-120 MQL1 | 12 | 24 | 32 | 45 | 120 |
| HSK63A-SF14-120 MQL1 | 14 | 27 | 34 | 45 | 120 |
| HSK63A-SF16-120 MQL1 | 16 | 27 | 34 | 48 | 120 |
| HSK63A-SF18-120 MQL1 | 18 | 33 | 42 | 48 | 120 |
| HSK63A-SF20-120 MQL1 | 20 | 33 | 42 | 50 | 120 |
| | | | | | |
| HSK63A-SF06-160 MQL1 | 06 | 21 | 27 | 36 | 160 |
| HSK63A-SF08-160 MQL1 | 08 | 21 | 27 | 36 | 160 |
| HSK63A-SF10-160 MQL1 | 10 | 24 | 32 | 40 | 160 |
| HSK63A-SF12-160 MQL1 | 12 | 24 | 32 | 45 | 160 |
| | | | | | |
| HSK63A-SF14-160 MQL1 | 14 | 27 | 34 | 45 | 160 |
| HSK63A-SF16-160 MQL1 | 16 | 27 | 34 | 48 | 160 |
| HSK63A-SF18-160 MQL1 | 18 | 33 | 42 | 48 | 160 |
| HSK63A-SF20-160 MQL1 | 20 | 33 | 42 | 50 | 160 |
| HSK63A-SF25-160 MQL1 | 25 | 44 | 52.5 | 56 | 160 |
| HSK63A-SF32-160 MQL1 | 32 | 44 | 52.5 | 60 | 160 |
| | | | | | |
| HSK80A-SF06-85 MQL1 | 06 | 21 | 27 | 36 | 85 |
| HSK80A-SF08-85 MQL1 | 08 | 21 | 27 | 36 | 85 |
| HSK80A-SF10-90 MQL1 | 10 | 24 | 32 | 40 | 90 |
| HSK80A-SF12-95 MQL1 | 12 | 24 | 32 | 45 | 95 |
| HSK80A-SF14-95 MQL1 | 14 | 27 | 34 | 45 | 95 |
| HSK80A-SF16-100 MQL1 | 16 | 27 | 34 | 48 | 100 |
| HSK80A-SF18-100 MQL1 | 18 | 33 | 42 | 48 | 100 |
| HSK80A-SF20-105 MQL1 | 20 | 33 | 42 | 50 | 105 |
| HSK80A-SF25-115 MQL1 | 25 | 44 | 53 | 56 | 115 |
| HSK80A-SF32-120 MQL1 | 32 | 44 | 53 | 60 | 120 |

## MQL1 Channel Shrink Fit Chuck
## 微润滑单通道热缩刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



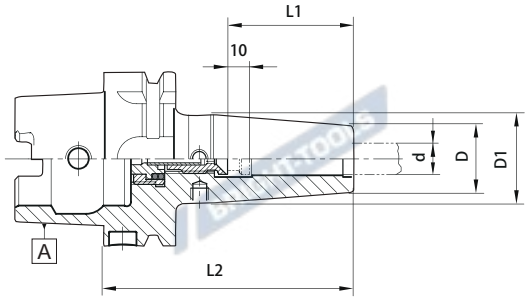



| Size | d | D | D1 | L1 | L2 |
|---|---|---|---|---|---|
| HSK100A-SF06-85 MQL1 | 06 | 21 | 27 | 36 | 85 |
| HSK100A-SF08-85 MQL1 | 08 | 21 | 27 | 36 | 85 |
| HSK100A-SF10-90 MQL1 | 10 | 24 | 32 | 40 | 90 |
| HSK100A-SF12-95 MQL1 | 12 | 24 | 32 | 45 | 95 |
| HSK100A-SF14-95 MQL1 | 14 | 27 | 34 | 45 | 95 |
| HSK100A-SF16-100 MQL1 | 16 | 27 | 34 | 48 | 100 |
| HSK100A-SF18-100 MQL1 | 18 | 33 | 42 | 48 | 100 |
| HSK100A-SF20-105 MQL1 | 20 | 33 | 42 | 50 | 105 |
| HSK100A-SF25-115 MQL1 | 25 | 44 | 53 | 56 | 115 |
| HSK100A-SF32-120 MQL1 | 32 | 44 | 53 | 60 | 120 |
| | | | | | |
| HSK100A-SF06-160 MQL1 | 06 | 21 | 27 | 36 | 160 |
| HSK100A-SF08-160 MQL1 | 08 | 21 | 27 | 36 | 160 |
| HSK100A-SF10-160 MQL1 | 10 | 24 | 32 | 40 | 160 |
| HSK100A-SF12-160 MQL1 | 12 | 24 | 32 | 45 | 160 |
| HSK100A-SF14-160 MQL1 | 14 | 27 | 34 | 45 | 160 |
| HSK100A-SF16-160 MQL1 | 16 | 27 | 34 | 48 | 160 |
| HSK100A-SF18-160 MQL1 | 18 | 33 | 42 | 48 | 160 |
| HSK100A-SF20-160 MQL1 | 20 | 33 | 42 | 50 | 160 |
| HSK100A-SF25-160 MQL1 | 25 | 44 | 53 | 56 | 160 |
| HSK100A-SF32-160 MQL1 | 32 | 44 | 53 | 60 | 160 |

# MQL2 Channel Shrink fit Chuck
## 微润滑双通道热缩刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



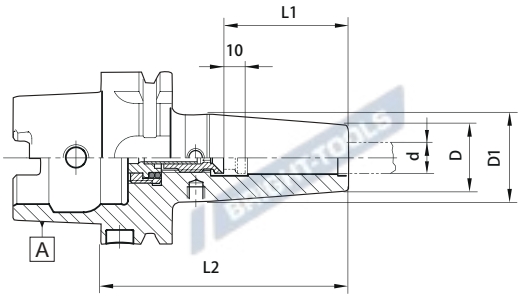



| Size | d | A | D | D1 | L1 | L2 |
|---|---|---|---|---|---|---|
| HSK32A-SF06-80-2.01 MQL2 | 06 | 2.01 | 21 | 25.5 | 36 | 80 |
| HSK32A-SF06-80-4.15 MQL2 | 06 | 4.15 | 21 | 25.5 | 36 | 80 |
| HSK32A-SF08-80-2.01 MQL2 | 08 | 2.01 | 21 | 25.5 | 36 | 80 |
| HSK32A-SF08-80-4.15 MQL2 | 08 | 4.15 | 21 | 25.5 | 36 | 80 |
| HSK32A-SF10-85-2.01 MQL2 | 10 | 2.01 | 24 | 31.7 | 40 | 85 |
| HSK32A-SF10-85-4.15 MQL2 | 10 | 4.15 | 24 | 31.7 | 40 | 85 |
| HSK32A-SF12-90-2.01 MQL2 | 12 | 2.01 | 24 | 32.3 | 45 | 90 |
| HSK32A-SF12-90-4.15 MQL2 | 12 | 4.15 | 24 | 32.3 | 45 | 90 |
| | | | | | | |
| HSK40A-SF06-80-2.01 MQL2 | 06 | 2.01 | 21 | 27 | 36 | 80 |
| HSK40A-SF06-80-4.15 MQL2 | 06 | 4.15 | 21 | 27 | 36 | 80 |
| HSK40A-SF08-80-2.01 MQL2 | 08 | 2.01 | 21 | 27 | 36 | 80 |
| HSK40A-SF08-80-4.15 MQL2 | 08 | 4.15 | 21 | 27 | 36 | 80 |
| HSK40A-SF10-80-2.01 MQL2 | 10 | 2.01 | 24 | 32 | 40 | 80 |
| HSK40A-SF10-80-4.15 MQL2 | 10 | 4.15 | 24 | 32 | 40 | 80 |
| HSK40A-SF12-90-2.01 MQL2 | 12 | 2.01 | 24 | 32 | 45 | 90 |
| HSK40A-SF12-90-4.15 MQL2 | 12 | 4.15 | 24 | 32 | 45 | 90 |
| HSK40A-SF12-90-9.08 MQL2 | 12 | 9.08 | 24 | 32 | 45 | 90 |
| HSK40A-SF14-90-2.01 MQL2 | 14 | 2.01 | 27 | 33.5 | 45 | 90 |
| HSK40A-SF14-90-4.15 MQL2 | 14 | 4.15 | 27 | 33.5 | 45 | 90 |
| HSK40A-SF14-90-9.08 MQL2 | 14 | 9.08 | 27 | 33.5 | 45 | 90 |
| HSK40A-SF16-90-2.01 MQL2 | 16 | 2.01 | 27 | 33.5 | 48 | 90 |
| HSK40A-SF16-90-4.15 MQL2 | 16 | 4.15 | 27 | 33.5 | 48 | 90 |
| HSK40A-SF16-90-9.08 MQL2 | 16 | 9.08 | 27 | 33.5 | 48 | 90 |

# MQL2 Channel Shrink Fit Chuck
## 微润滑双通道热缩刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



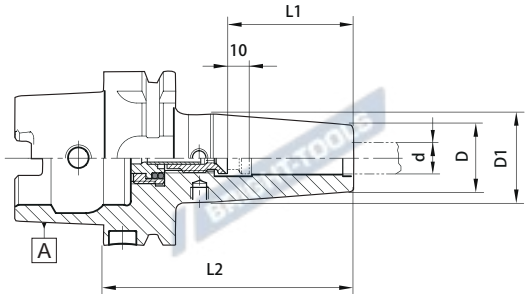



| Size | d | A | D | D1 | L1 | L2 |
|---|---|---|---|---|---|---|
| HSK50A-SF06-80-2.01 MQL2 | 06 | 2.01 | 21 | 27 | 36 | 80 |
| HSK50A-SF06-80-4.15 MQL2 | 06 | 4.15 | 21 | 27 | 36 | 80 |
| HSK50A-SF08-80-2.01 MQL2 | 08 | 2.01 | 21 | 27 | 36 | 80 |
| HSK50A-SF08-80-4.15 MQL2 | 08 | 4.15 | 21 | 27 | 36 | 80 |
| HSK50A-SF10-85-2.01 MQL2 | 10 | 2.01 | 24 | 32 | 40 | 85 |
| HSK50A-SF10-85-4.15 MQL2 | 10 | 4.15 | 24 | 32 | 40 | 85 |
| HSK50A-SF12-90-2.01 MQL2 | 12 | 2.01 | 24 | 32 | 45 | 90 |
| HSK50A-SF12-90-4.15 MQL2 | 12 | 4.15 | 24 | 32 | 45 | 90 |
| HSK50A-SF12-90-9.08 MQL2 | 12 | 9.08 | 24 | 32 | 45 | 90 |
| HSK50A-SF14-90-2.01 MQL2 | 14 | 2.01 | 27 | 34 | 45 | 90 |
| HSK50A-SF14-90-4.15 MQL2 | 14 | 4.15 | 27 | 34 | 45 | 90 |
| HSK50A-SF14-90-9.08 MQL2 | 14 | 9.08 | 27 | 34 | 45 | 90 |
| HSK50A-SF16-95-2.01 MQL2 | 16 | 2.01 | 27 | 34 | 48 | 95 |
| HSK50A-SF16-95-4.15 MQL2 | 16 | 4.15 | 27 | 34 | 48 | 95 |
| HSK50A-SF16-95-9.08 MQL2 | 16 | 9.08 | 27 | 34 | 48 | 95 |
| HSK50A-SF18-95-2.01 MQL2 | 18 | 2.01 | 33 | 41.5 | 48 | 95 |
| HSK50A-SF18-95-4.15 MQL2 | 18 | 4.15 | 33 | 41.5 | 48 | 95 |
| HSK50A-SF18-95-9.08 MQL2 | 18 | 9.08 | 33 | 41.5 | 48 | 95 |
| HSK50A-SF20-100-4.15 MQL2 | 20 | 4.15 | 33 | 41.5 | 50 | 100 |
| HSK50A-SF20-100-9.08 MQL2 | 20 | 9.08 | 33 | 41.5 | 50 | 100 |
| HSK50A-SF20-100-16.62 MQL2 | 20 | 16.62 | 33 | 41.5 | 50 | 100 |
| | | | | | | |
| HSK63A-SF06-80-2.01 MQL2 | 06 | 2.01 | 21 | 27 | 36 | 80 |
| HSK63A-SF06-80-4.15 MQL2 | 06 | 4.15 | 21 | 27 | 36 | 80 |
| HSK63A-SF08-80-2.01 MQL2 | 08 | 2.01 | 21 | 27 | 36 | 80 |
| HSK63A-SF08-80-4.15 MQL2 | 08 | 4.15 | 21 | 27 | 36 | 80 |
| HSK63A-SF10-85-2.01 MQL2 | 10 | 2.01 | 24 | 32 | 40 | 85 |
| HSK63A-SF10-85-4.15 MQL2 | 10 | 4.15 | 24 | 32 | 40 | 85 |
| HSK63A-SF12-90-2.01 MQL2 | 12 | 2.01 | 24 | 32 | 45 | 90 |
| HSK63A-SF12-90-4.15 MQL2 | 12 | 4.15 | 24 | 32 | 45 | 90 |
| HSK63A-SF12-90-9.08 MQL2 | 12 | 9.08 | 24 | 32 | 45 | 90 |
| HSK63A-SF14-90-2.01 MQL2 | 14 | 2.01 | 27 | 34 | 45 | 90 |
| HSK63A-SF14-90-4.15 MQL2 | 14 | 4.15 | 27 | 34 | 45 | 90 |
| HSK63A-SF14-90-9.08 MQL2 | 14 | 9.08 | 27 | 34 | 45 | 90 |

# MQL2 Channel Shrink Fit Chuck
## 微润滑双通道热缩刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



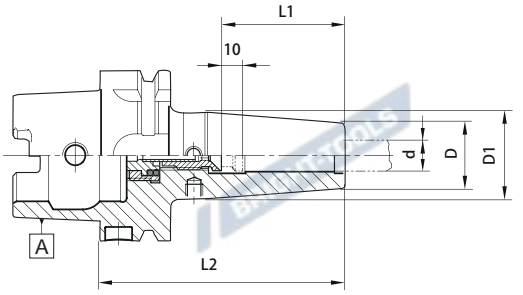



| Size | d | A | D | D1 | L1 | L2 |
|---|---|---|---|---|---|---|
| HSK63A-SF16-95-2.01 MQL2 | 16 | 2.01 | 27 | 34 | 48 | 95 |
| HSK63A-SF16-95-4.15 MQL2 | 16 | 4.15 | 27 | 34 | 48 | 95 |
| HSK63A-SF16-95-9.08 MQL2 | 16 | 9.08 | 27 | 34 | 48 | 95 |
| HSK63A-SF18-95-2.01 MQL2 | 18 | 2.01 | 33 | 42 | 48 | 95 |
| HSK63A-SF18-95-4.15 MQL2 | 18 | 4.15 | 33 | 42 | 48 | 95 |
| HSK63A-SF18-95-9.08 MQL2 | 18 | 9.08 | 33 | 42 | 48 | 95 |
| | | | | | | |
| HSK63A-SF20-100-4.15 MQL2 | 20 | 4.15 | 33 | 42 | 50 | 100 |
| HSK63A-SF20-100-9.08 MQL2 | 20 | 9.08 | 33 | 42 | 50 | 100 |
| HSK63A-SF20-100-16.62 MQL2 | 20 | 16.62 | 33 | 42 | 50 | 100 |
| HSK63A-SF25-115-4.15 MQL2 | 25 | 4.15 | 44 | 52.5 | 56 | 115 |
| HSK63A-SF25-115-9.08 MQL2 | 25 | 9.08 | 44 | 52.5 | 56 | 115 |
| HSK63A-SF25-115-16.62 MQL2 | 25 | 16.62 | 44 | 52.5 | 56 | 115 |
| HSK63A-SF32-120-4.15 MQL2 | 32 | 4.15 | 44 | 52.5 | 60 | 120 |
| HSK63A-SF32-120-9.08 MQL2 | 32 | 9.08 | 44 | 52.5 | 60 | 120 |
| HSK63A-SF32-120-16.62 MQL2 | 32 | 16.62 | 44 | 52.5 | 60 | 120 |
| HSK63A-SF06-120-2.01 MQL2 | 06 | 2.01 | 21 | 27 | 36 | 120 |
| HSK63A-SF06-120-4.15 MQL2 | 06 | 4.15 | 21 | 27 | 36 | 120 |
| HSK63A-SF08-120-2.01 MQL2 | 08 | 2.01 | 21 | 27 | 36 | 120 |
| HSK63A-SF08-120-4.15 MQL2 | 08 | 4.15 | 21 | 27 | 36 | 120 |
| HSK63A-SF10-120-2.01 MQL2 | 10 | 2.01 | 24 | 32 | 40 | 120 |
| HSK63A-SF10-120-4.15 MQL2 | 10 | 4.15 | 24 | 32 | 40 | 120 |
| HSK63A-SF12-120-2.01 MQL2 | 12 | 2.01 | 24 | 32 | 45 | 120 |
| HSK63A-SF12-120-4.15 MQL2 | 12 | 4.15 | 24 | 32 | 45 | 120 |
| HSK63A-SF12-120-9.08 MQL2 | 12 | 9.08 | 24 | 32 | 45 | 120 |
| HSK63A-SF14-120-2.01 MQL2 | 14 | 2.01 | 27 | 34 | 45 | 120 |
| HSK63A-SF14-120-4.15 MQL2 | 14 | 4.15 | 27 | 34 | 45 | 120 |
| HSK63A-SF14-120-9.08 MQL2 | 14 | 9.08 | 27 | 34 | 45 | 120 |
| HSK63A-SF16-120-2.01 MQL2 | 16 | 2.01 | 27 | 34 | 48 | 120 |
| HSK63A-SF16-120-4.15 MQL2 | 16 | 4.15 | 27 | 34 | 48 | 120 |
| HSK63A-SF16-120-9.08 MQL2 | 16 | 9.08 | 27 | 34 | 48 | 120 |
| HSK63A-SF18-120-2.01 MQL2 | 18 | 2.01 | 33 | 42 | 48 | 120 |
| HSK63A-SF18-120-4.15 MQL2 | 18 | 4.15 | 33 | 42 | 48 | 120 |
| HSK63A-SF18-120-9.08 MQL2 | 18 | 9.08 | 33 | 42 | 48 | 120 |

# MQL2 Channel Shrink Fit Chuck
## 微润滑双通道热缩刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



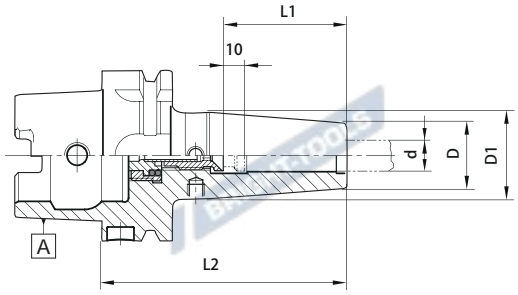



| Size | d | A | D | D1 | L1 | L2 |
|---|---|---|---|---|---|---|
| HSK63A-SF20-120-4.15 MQL2 | 20 | 4.15 | 33 | 42 | 50 | 120 |
| HSK63A-SF20-120-9.08 MQL2 | 20 | 9.08 | 33 | 42 | 50 | 120 |
| HSK63A-SF20-120-16.62 MQL2 | 20 | 16.62 | 33 | 42 | 50 | 120 |
| HSK63A-SF06-160-2.01 MQL2 | 06 | 2.01 | 21 | 27 | 36 | 160 |
| HSK63A-SF06-160-4.15 MQL2 | 06 | 4.15 | 21 | 27 | 36 | 160 |
| HSK63A-SF08-160-2.01 MQL2 | 08 | 2.01 | 21 | 27 | 36 | 160 |
| HSK63A-SF08-160-4.15 MQL2 | 08 | 4.15 | 21 | 27 | 36 | 160 |
| HSK63A-SF10-160-2.01 MQL2 | 10 | 2.01 | 24 | 32 | 40 | 160 |
| HSK63A-SF10-160-4.15 MQL2 | 10 | 4.15 | 24 | 32 | 40 | 160 |
| HSK63A-SF12-160-2.01 MQL2 | 12 | 2.01 | 24 | 32 | 45 | 160 |
| HSK63A-SF12-160-4.15 MQL2 | 12 | 4.15 | 24 | 32 | 45 | 160 |
| HSK63A-SF12-160-9.08 MQL2 | 12 | 9.08 | 24 | 32 | 45 | 160 |
| HSK63A-SF14-160-2.01 MQL2 | 14 | 2.01 | 27 | 34 | 45 | 160 |
| HSK63A-SF14-160-4.15 MQL2 | 14 | 4.15 | 27 | 34 | 45 | 160 |
| HSK63A-SF14-160-9.08 MQL2 | 14 | 9.08 | 27 | 34 | 45 | 160 |
| HSK63A-SF16-160-2.01 MQL2 | 16 | 2.01 | 27 | 34 | 48 | 160 |
| HSK63A-SF16-160-4.15 MQL2 | 16 | 4.15 | 27 | 34 | 48 | 160 |
| HSK63A-SF16-160-9.08 MQL2 | 16 | 9.08 | 27 | 34 | 48 | 160 |
| HSK63A-SF18-160-2.01 MQL2 | 18 | 2.01 | 33 | 42 | 48 | 160 |
| HSK63A-SF18-160-4.15 MQL2 | 18 | 4.15 | 33 | 42 | 48 | 160 |
| HSK63A-SF18-160-9.08 MQL2 | 18 | 9.08 | 33 | 42 | 48 | 160 |
| HSK63A-SF20-160-4.15 MQL2 | 20 | 4.15 | 33 | 42 | 50 | 160 |
| HSK63A-SF20-160-9.08 MQL2 | 20 | 9.08 | 33 | 42 | 50 | 160 |
| HSK63A-SF20-160-16.62 MQL2 | 20 | 16.62 | 33 | 42 | 50 | 160 |
| HSK63A-SF25-160-4.15 MQL2 | 25 | 4.15 | 44 | 52.5 | 56 | 160 |
| HSK63A-SF25-160-9.08 MQL2 | 25 | 9.08 | 44 | 52.5 | 56 | 160 |
| HSK63A-SF25-160-16.62 MQL2 | 25 | 16.62 | 44 | 52.5 | 56 | 160 |
| HSK63A-SF32-160-4.15 MQL2 | 32 | 4.15 | 44 | 52.5 | 60 | 160 |
| HSK63A-SF32-160-9.08 MQL2 | 32 | 9.08 | 44 | 52.5 | 60 | 160 |
| HSK63A-SF32-160-16.62 MQL2 | 32 | 16.62 | 44 | 52.5 | 60 | 160 |

# MQL2 Channel Shrink Fit Chuck
## 微润滑双通道热缩刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



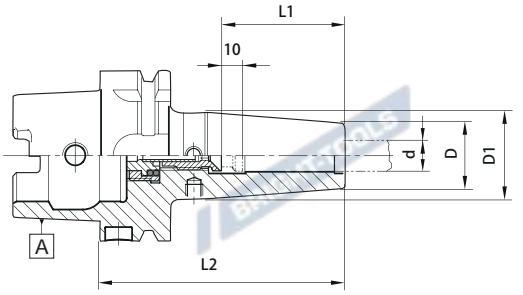



| Size | d | A | D | D1 | L1 | L2 |
|---|---|---|---|---|---|---|
| HSK80A-SF06-85-2.01 MQL2 | 06 | 2.01 | 21 | 27 | 36 | 85 |
| HSK80A-SF06-85-4.15 MQL2 | 06 | 4.15 | 21 | 27 | 36 | 85 |
| HSK80A-SF08-85-2.01 MQL2 | 08 | 2.01 | 21 | 27 | 36 | 85 |
| HSK80A-SF08-85-4.15 MQL2 | 08 | 4.15 | 21 | 27 | 36 | 85 |
| HSK80A-SF10-90-2.01 MQL2 | 10 | 2.01 | 24 | 32 | 40 | 90 |
| HSK80A-SF10-90-4.15 MQL2 | 10 | 4.15 | 24 | 32 | 40 | 90 |
| HSK80A-SF12-95-2.01 MQL2 | 12 | 2.01 | 24 | 32 | 45 | 95 |
| HSK80A-SF12-95-4.15 MQL2 | 12 | 4.15 | 24 | 32 | 45 | 95 |
| HSK80A-SF12-95-9.08 MQL2 | 12 | 9.08 | 24 | 32 | 45 | 95 |
| HSK80A-SF14-95-2.01 MQL2 | 14 | 2.01 | 27 | 34 | 45 | 95 |
| HSK80A-SF14-95-4.15 MQL2 | 14 | 4.15 | 27 | 34 | 45 | 95 |
| HSK80A-SF14-95-9.08 MQL2 | 14 | 9.08 | 27 | 34 | 45 | 95 |
| HSK80A-SF16-100-2.01 MQL2 | 16 | 2.01 | 27 | 34 | 48 | 100 |
| HSK80A-SF16-100-4.15 MQL2 | 16 | 4.15 | 27 | 34 | 48 | 100 |
| HSK80A-SF16-100-9.08 MQL2 | 16 | 9.08 | 27 | 34 | 48 | 100 |
| HSK80A-SF18-100-2.01 MQL2 | 18 | 2.01 | 33 | 42 | 48 | 100 |
| HSK80A-SF18-100-4.15 MQL2 | 18 | 4.15 | 33 | 42 | 48 | 100 |
| HSK80A-SF18-100-9.08 MQL2 | 18 | 9.08 | 33 | 42 | 48 | 100 |
| HSK80A-SF20-105-4.15 MQL2 | 20 | 4.15 | 33 | 42 | 50 | 105 |
| HSK80A-SF20-105-9.08 MQL2 | 20 | 9.08 | 33 | 42 | 50 | 105 |
| HSK80A-SF20-105-16.62 MQL2 | 20 | 16.62 | 33 | 42 | 50 | 105 |
| HSK80A-SF25-115-4.15 MQL2 | 25 | 4.15 | 44 | 53 | 56 | 115 |
| HSK80A-SF25-115-9.08 MQL2 | 25 | 9.08 | 44 | 53 | 56 | 115 |
| HSK80A-SF25-115-16.62 MQL2 | 25 | 16.62 | 44 | 53 | 56 | 115 |
| HSK80A-SF32-120-4.15 MQL2 | 32 | 4.15 | 44 | 53 | 60 | 120 |
| HSK80A-SF32-120-9.08 MQL2 | 32 | 9.08 | 44 | 53 | 60 | 120 |
| HSK80A-SF32-120-16.62 MQL2 | 32 | 16.62 | 44 | 53 | 60 | 120 |

# MQL2 Channel Shrink Fit Chuck
## 微润滑双通道热缩刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



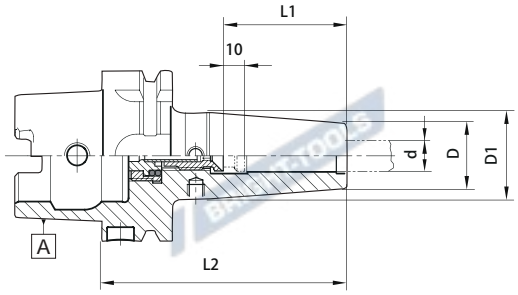



| Size | d | A | D | D1 | L1 | L2 |
|---|---|---|---|---|---|---|
| HSK100A-SF06-85-2.01 MQL2 | 06 | 2.01 | 21 | 27 | 36 | 85 |
| HSK100A-SF06-85-4.15 MQL2 | 06 | 4.15 | 21 | 27 | 36 | 85 |
| HSK100A-SF08-85-2.01 MQL2 | 08 | 2.01 | 21 | 27 | 36 | 85 |
| HSK100A-SF08-85-4.15 MQL2 | 08 | 4.15 | 21 | 27 | 36 | 85 |
| HSK100A-SF10-90-2.01 MQL2 | 10 | 2.01 | 24 | 32 | 40 | 90 |
| HSK100A-SF10-90-4.15 MQL2 | 10 | 4.15 | 24 | 32 | 40 | 90 |
| HSK100A-SF12-95-2.01 MQL2 | 12 | 2.01 | 24 | 32 | 45 | 95 |
| HSK100A-SF12-95-4.15 MQL2 | 12 | 4.15 | 24 | 32 | 45 | 95 |
| HSK100A-SF12-95-9.08 MQL2 | 12 | 9.08 | 24 | 32 | 45 | 95 |
| HSK100A-SF14-95-2.01 MQL2 | 14 | 2.01 | 27 | 34 | 45 | 95 |
| HSK100A-SF14-95-4.15 MQL2 | 14 | 4.15 | 27 | 34 | 45 | 95 |
| HSK100A-SF14-95-9.08 MQL2 | 14 | 9.08 | 27 | 34 | 45 | 95 |
| HSK100A-SF16-100-2.01 MQL2 | 16 | 2.01 | 27 | 34 | 48 | 100 |
| HSK100A-SF16-100-4.15 MQL2 | 16 | 4.15 | 27 | 34 | 48 | 100 |
| HSK100A-SF16-100-9.08 MQL2 | 16 | 9.08 | 27 | 34 | 48 | 100 |
| HSK100A-SF18-100-2.01 MQL2 | 18 | 2.01 | 33 | 42 | 48 | 100 |
| HSK100A-SF18-100-4.15 MQL2 | 18 | 4.15 | 33 | 42 | 48 | 100 |
| HSK100A-SF18-100-9.08 MQL2 | 18 | 9.08 | 33 | 42 | 48 | 100 |
| HSK100A-SF20-105-4.15 MQL2 | 20 | 4.15 | 33 | 42 | 50 | 105 |
| HSK100A-SF20-105-9.08 MQL2 | 20 | 9.08 | 33 | 42 | 50 | 105 |
| HSK100A-SF20-105-16.62 MQL2 | 20 | 16.62 | 33 | 42 | 50 | 105 |
| HSK100A-SF25-115-4.15 MQL2 | 25 | 4.15 | 44 | 53 | 56 | 115 |
| HSK100A-SF25-115-9.08 MQL2 | 25 | 9.08 | 44 | 53 | 56 | 115 |
| HSK100A-SF25-115-16.62 MQL2 | 25 | 16.62 | 44 | 53 | 56 | 115 |
| HSK100A-SF32-120-4.15 MQL2 | 32 | 4.15 | 44 | 53 | 60 | 120 |
| HSK100A-SF32-120-9.08 MQL2 | 32 | 9.08 | 44 | 53 | 60 | 120 |
| HSK100A-SF32-120-16.62 MQL2 | 32 | 16.62 | 44 | 53 | 60 | 120 |
| HSK100A-SF06-160-2.01 MQL2 | 06 | 2.01 | 21 | 27 | 36 | 160 |
| HSK100A-SF06-160-4.15 MQL2 | 06 | 4.15 | 21 | 27 | 36 | 160 |
| HSK100A-SF08-160-2.01 MQL2 | 08 | 2.01 | 21 | 27 | 36 | 160 |
| HSK100A-SF08-160-4.15 MQL2 | 08 | 4.15 | 21 | 27 | 36 | 160 |
| HSK100A-SF10-160-2.01 MQL2 | 10 | 2.01 | 24 | 32 | 40 | 160 |
| HSK100A-SF10-160-4.15 MQL2 | 10 | 4.15 | 24 | 32 | 40 | 160 |

# MQL2 Channel Shrink Fit Chuck
## 微润滑双通道热缩刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



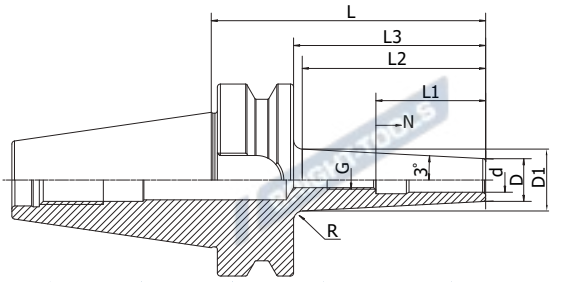



| Size | d | A | D | D1 | L1 | L2 |
|---|---|---|---|---|---|---|
| HSK100A-SF12-160-2.01 MQL2 | 12 | 2.01 | 24 | 32 | 45 | 160 |
| HSK100A-SF12-160-4.15 MQL2 | 12 | 4.15 | 24 | 32 | 45 | 160 |
| HSK100A-SF12-160-9.08 MQL2 | 12 | 9.08 | 24 | 32 | 45 | 160 |
| HSK100A-SF14-160-2.01 MQL2 | 14 | 2.01 | 27 | 34 | 45 | 160 |
| HSK100A-SF14-160-4.15 MQL2 | 14 | 4.15 | 27 | 34 | 45 | 160 |
| HSK100A-SF14-160-9.08 MQL2 | 14 | 9.08 | 27 | 34 | 45 | 160 |
| HSK100A-SF16-160-2.01 MQL2 | 16 | 2.01 | 27 | 34 | 48 | 160 |
| HSK100A-SF16-160-4.15 MQL2 | 16 | 4.15 | 27 | 34 | 48 | 160 |
| HSK100A-SF16-160-9.08 MQL2 | 16 | 9.08 | 27 | 34 | 48 | 160 |
| HSK100A-SF18-160-2.01 MQL2 | 18 | 2.01 | 33 | 42 | 48 | 160 |
| HSK100A-SF18-160-4.15 MQL2 | 18 | 4.15 | 33 | 42 | 48 | 160 |
| HSK100A-SF18-160-9.08 MQL2 | 18 | 9.08 | 33 | 42 | 48 | 160 |
| HSK100A-SF20-160-4.15 MQL2 | 20 | 4.15 | 33 | 42 | 50 | 160 |
| HSK100A-SF20-160-9.08 MQL2 | 20 | 9.08 | 33 | 42 | 50 | 160 |
| HSK100A-SF20-160-16.62 MQL2 | 20 | 16.62 | 33 | 42 | 50 | 160 |
| HSK100A-SF25-160-4.15 MQL2 | 25 | 4.15 | 44 | 53 | 56 | 160 |
| HSK100A-SF25-160-9.08 MQL2 | 25 | 9.08 | 44 | 53 | 56 | 160 |
| HSK100A-SF25-160-16.62 MQL2 | 25 | 16.62 | 44 | 53 | 56 | 160 |
| HSK100A-SF32-160-4.15 MQL2 | 32 | 4.15 | 44 | 53 | 60 | 160 |
| HSK100A-SF32-160-9.08 MQL2 | 32 | 9.08 | 44 | 53 | 60 | 160 |
| HSK100A-SF32-160-16.62 MQL2 | 32 | 16.62 | 44 | 53 | 60 | 160 |

# Shrink Fit Chuck, Slim, 3°
# 热缩刀柄 3 度 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



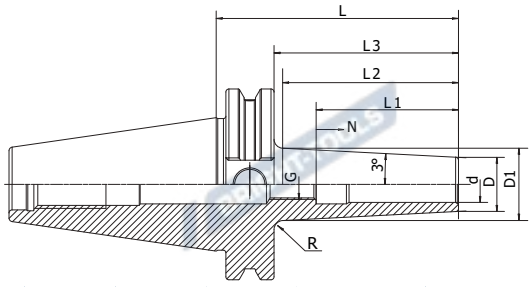



| Size | d | D | D1 | L | L3 | L2 | L1 | N | G | R |
|---|---|---|---|---|---|---|---|---|---|---|
| BT30-SFS03-80 | 03 | 9 | 14.8 | 80 | 58 | 55.2 | - | - | - | 3 |
| BT30-SFS04-80 | 04 | 10 | 15.8 | 80 | 58 | 55.2 | - | - | - | 3 |
| BT30-SFS06-80 | 06 | 12 | 17.8 | 80 | 58 | 55.2 | 36 | 10 | M5 | 3 |
| BT30-SFS08-80 | 08 | 14 | 19.8 | 80 | 58 | 55.2 | 36 | 10 | M6 | 3 |
| BT30-SFS10-80 | 10 | 16 | 21.8 | 80 | 58 | 55.2 | 42 | 10 | M8x1 | 3 |
| BT30-SFS12-80 | 12 | 18 | 23.8 | 80 | 58 | 55.2 | 47 | 10 | M10x1 | 3 |
| BT30-SFS16-80 | 16 | 22 | 27.8 | 80 | 58 | 55.2 | 50 | 10 | M12x1 | 3 |
| BT30-SFS06-120 | 06 | 12 | 21.5 | 120 | 98 | 90.6 | 36 | 10 | M5 | 3 |
| BT30-SFS08-120 | 08 | 14 | 23.5 | 120 | 98 | 90.6 | 36 | 10 | M6 | 3 |
| BT30-SFS10-120 | 10 | 16 | 25.5 | 120 | 98 | 90.6 | 42 | 10 | M8x1 | 3 |
| BT30-SFS12-120 | 12 | 18 | 27.5 | 120 | 98 | 90.6 | 47 | 10 | M10x1 | 3 |
| BT30-SFS16-120 | 16 | 22 | 31.5 | 120 | 98 | 90.6 | 50 | 10 | M12x1 | 3 |
| | | | | | | | | | | |
| BT40-SFS03-90 | 03 | 9 | 15.3 | 90 | 63 | 60.2 | - | - | - | 3 |
| BT40-SFS04-90 | 04 | 10 | 16.3 | 90 | 63 | 60.2 | - | - | - | 3 |
| BT40-SFS06-90 | 06 | 12 | 18.3 | 90 | 63 | 60.2 | 36 | 10 | M5 | 3 |
| BT40-SFS08-90 | 08 | 14 | 20.3 | 90 | 63 | 60.2 | 36 | 10 | M6 | 3 |
| BT40-SFS10-90 | 10 | 16 | 22.3 | 90 | 63 | 60.2 | 42 | 10 | M8x1 | 3 |
| BT40-SFS12-90 | 12 | 18 | 24.3 | 90 | 63 | 60.2 | 47 | 10 | M10x1 | 3 |
| BT40-SFS16-90 | 16 | 22 | 28.3 | 90 | 63 | 60.2 | 50 | 10 | M12x1 | 3 |
| BT40-SFS03-120 | 03 | 9 | 18.3 | 120 | 93 | 88.3 | - | - | - | 5 |
| BT40-SFS04-120 | 04 | 10 | 19.3 | 120 | 93 | 88.3 | - | - | - | 5 |
| BT40-SFS06-120 | 06 | 12 | 21.3 | 120 | 93 | 88.3 | 36 | 10 | M5 | 5 |
| BT40-SFS08-120 | 08 | 14 | 23.3 | 120 | 93 | 88.3 | 36 | 10 | M6 | 5 |
| BT40-SFS10-120 | 10 | 16 | 25.3 | 120 | 93 | 88.3 | 42 | 10 | M8x1 | 5 |
| BT40-SFS12-120 | 12 | 18 | 27.3 | 120 | 93 | 88.3 | 47 | 10 | M10x1 | 5 |
| BT40-SFS16-120 | 16 | 22 | 31.3 | 120 | 93 | 88.3 | 50 | 10 | M12x1 | 5 |
| BT40-SFS03-160 | 03 | 9 | 22.4 | 160 | 133 | 128.3 | - | - | - | 5 |
| BT40-SFS04-160 | 04 | 10 | 23.4 | 160 | 133 | 128.3 | - | - | - | 5 |
| BT40-SFS06-160 | 06 | 12 | 25.4 | 160 | 133 | 128.3 | 36 | 10 | M5 | 5 |
| BT40-SFS08-160 | 08 | 14 | 27.4 | 160 | 133 | 128.3 | 36 | 10 | M6 | 5 |
| BT40-SFS10-160 | 10 | 16 | 29.4 | 160 | 133 | 128.3 | 42 | 10 | M8x1 | 5 |
| BT40-SFS12-160 | 12 | 18 | 31.4 | 160 | 133 | 128.3 | 47 | 10 | M10x1 | 5 |
| BT40-SFS16-160 | 16 | 22 | 35.4 | 160 | 133 | 128.3 | 50 | 10 | M12x1 | 5 |
| BT40-SFS20-160 | 20 | 27 | 40.4 | 160 | 133 | 128.3 | 52 | 10 | M16x1 | 5 |

# Shrink Fit Chuck, Slim, 3°
# 热缩刀柄 3 度 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



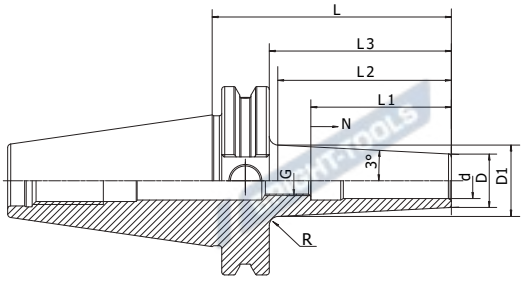



| Size | d | D | D1 | L | L3 | L2 | L1 | N | G | R |
|---|---|---|---|---|---|---|---|---|---|---|
| SK40-SFS03-80 | 03 | 9 | 16.1 | 80 | 60.9 | 58.1 | - | - | - | 3 |
| SK40-SFS04-80 | 04 | 10 | 17.1 | 80 | 60.9 | 58.1 | - | - | - | 3 |
| SK40-SFS06-80 | 06 | 12 | 19.1 | 80 | 60.9 | 58.1 | 36 | 10 | M5 | 3 |
| SK40-SFS08-80 | 08 | 14 | 21.1 | 80 | 60.9 | 58.1 | 36 | 10 | M6 | 3 |
| SK40-SFS10-80 | 10 | 16 | 23.1 | 80 | 60.9 | 58.1 | 42 | 10 | M8x1 | 3 |
| SK40-SFS12-80 | 12 | 18 | 25.1 | 80 | 60.9 | 58.1 | 47 | 10 | M10x1 | 3 |
| SK40-SFS16-80 | 16 | 22 | 29.1 | 80 | 60.9 | 58.1 | 50 | 10 | M12x1 | 3 |
| SK40-SFS03-120 | 03 | 9 | 19.1 | 120 | 100.9 | 96.1 | - | - | - | 5 |
| SK40-SFS04-120 | 04 | 10 | 20.1 | 120 | 100.9 | 96.1 | - | - | - | 5 |
| SK40-SFS06-120 | 06 | 12 | 22.1 | 120 | 100.9 | 96.1 | 36 | 10 | M5 | 5 |
| SK40-SFS08-120 | 08 | 14 | 24.1 | 120 | 100.9 | 96.1 | 36 | 10 | M6 | 5 |
| SK40-SFS10-120 | 10 | 16 | 26.1 | 120 | 100.9 | 96.1 | 42 | 10 | M8x1 | 5 |
| SK40-SFS12-120 | 12 | 18 | 28.1 | 120 | 100.9 | 96.1 | 47 | 10 | M10x1 | 5 |
| SK40-SFS16-120 | 16 | 22 | 32.1 | 120 | 100.9 | 96.1 | 50 | 10 | M12x1 | 5 |
| SK40-SFS03-160 | 03 | 9 | 23.3 | 160 | 140.9 | 136.2 | - | - | - | 5 |
| SK40-SFS04-160 | 04 | 10 | 24.3 | 160 | 140.9 | 136.2 | - | - | - | 5 |
| SK40-SFS06-160 | 06 | 12 | 26.3 | 160 | 140.9 | 136.2 | 36 | 10 | M5 | 5 |
| SK40-SFS08-160 | 08 | 14 | 28.3 | 160 | 140.9 | 136.2 | 36 | 10 | M6 | 5 |
| SK40-SFS10-160 | 10 | 16 | 30.3 | 160 | 140.9 | 136.2 | 42 | 10 | M8x1 | 5 |
| SK40-SFS12-160 | 12 | 18 | 32.3 | 160 | 140.9 | 136.2 | 47 | 10 | M10x1 | 5 |
| SK40-SFS16-160 | 16 | 22 | 36.3 | 160 | 140.9 | 136.2 | 50 | 10 | M12x1 | 5 |

# Shrink Fit Chuck, Slim, 3°
# 热缩刀柄 3 度 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |






| Size | d | D | D1 | L | L1 | G |
|---|---|---|---|---|---|---|
| CAT40-SFS03-80 | 03 | 9 | 15.5 | 80 | 45 | - |
| CAT40-SFS04-80 | 04 | 10 | 16.3 | 80 | 45 | - |
| CAT40-SFS06-80 | 06 | 12 | 18.3 | 80 | 45 | M5 |

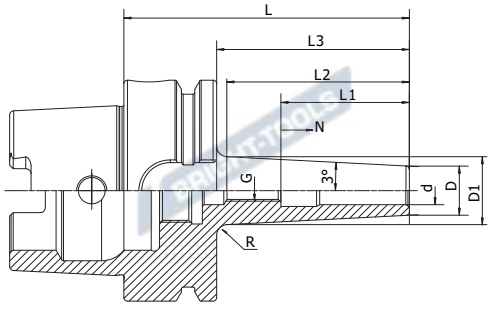
Inch

| Size | d | D | D1 | L | L1 | G |
|---|---|---|---|---|---|---|
| CAT40-SFS1/8"-3.15" | 1/8" | 0.35" | 0.60" | 3.15" | 0.78" | - |
| CAT40-SFS3/16"-3.15" | 3/16" | 0.43" | 0.68" | 3.15" | 0.78" | - |
| CAT40-SFS1/4"-3.15" | 1/4" | 0.47" | 0.72" | 3.15" | 1.42" | M5 |
| CAT40-SFS3/8"-3.15" | 3/8" | 0.63" | 0.88" | 3.15" | 1.93" | M8x1 |
| CAT40-SFS1/2"-3.15" | 1/2" | 0.70" | 0.96" | 3.15" | 1.93" | M10x1 |

# Shrink Fit Chuck, Slim, 3°
# 热缩刀柄 3 度 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



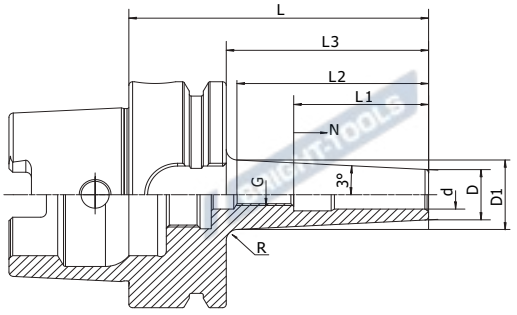



| Size | d | D | D1 | L | L3 | L2 | L1 | N | G | R |
|---|---|---|---|---|---|---|---|---|---|---|
| HSK50A-SFS03-80 | 03 | 9 | 14.4 | 80 | 54 | 51.2 | - | - | - | 3 |
| HSK50A-SFS04-80 | 04 | 10 | 15.4 | 80 | 54 | 51.2 | - | - | - | 3 |
| HSK50A-SFS06-80 | 06 | 12 | 17.4 | 80 | 54 | 51.2 | 36 | 10 | M5 | 3 |
| HSK50A-SFS08-80 | 08 | 14 | 19.4 | 80 | 54 | 51.2 | 36 | 10 | M6 | 3 |
| HSK50A-SFS10-85 | 10 | 16 | 21.9 | 85 | 59 | 56.2 | 42 | 10 | M8x1 | 3 |
| HSK50A-SFS12-90 | 12 | 18 | 24.4 | 90 | 64 | 61.2 | 47 | 10 | M10x1 | 3 |
| HSK50A-SFS16-95 | 16 | 22 | 28.9 | 95 | 69 | 66.2 | 50 | 10 | M12x1 | 3 |
| | | | | | | | | | | |
| HSK63A-SFS03-80 | 03 | 9 | 14 | 80 | 54 | 47.7 | - | - | - | 4 |
| HSK63A-SFS04-80 | 04 | 10 | 15.4 | 80 | 54 | 51.2 | - | - | - | 3 |
| HSK63A-SFS06-80 | 06 | 12 | 17.4 | 80 | 54 | 51.2 | 36 | 10 | M5 | 3 |
| HSK63A-SFS08-80 | 08 | 14 | 19.4 | 80 | 54 | 51.2 | 36 | 10 | M6 | 3 |
| HSK63A-SFS10-85 | 10 | 16 | 21.8 | 85 | 59 | 56.2 | 42 | 10 | M8x1 | 3 |
| HSK63A-SFS12-90 | 12 | 18 | 24.4 | 90 | 64 | 61.2 | 47 | 10 | M10x1 | 3 |
| HSK63A-SFS14-90 | 14 | 20 | 26.2 | 90 | 64 | 59.3 | 47 | 10 | M10x1 | 5 |
| HSK63A-SFS16-95 | 16 | 22 | 28.7 | 95 | 69 | 64.3 | 50 | 10 | M12x1 | 5 |
| | | | | | | | | | | |
| HSK63A-SFS03-120 | 03 | 9 | 18.4 | 120 | 94 | 89.3 | - | - | - | 5 |
| HSK63A-SFS04-120 | 04 | 10 | 19.4 | 120 | 94 | 89.3 | - | - | - | 5 |
| HSK63A-SFS06-120 | 06 | 12 | 21.4 | 120 | 94 | 89.3 | 36 | 10 | M5 | 5 |
| HSK63A-SFS08-120 | 08 | 14 | 23.4 | 120 | 94 | 89.3 | 36 | 10 | M6 | 5 |
| HSK63A-SFS10-120 | 10 | 16 | 25.4 | 120 | 94 | 89.3 | 42 | 10 | M8x1 | 5 |
| HSK63A-SFS12-120 | 12 | 18 | 27.4 | 120 | 94 | 89.3 | 47 | 10 | M10x1 | 5 |
| HSK63A-SFS16-120 | 16 | 22 | 31.4 | 120 | 94 | 89.3 | 50 | 10 | M12x1 | 5 |
| | | | | | | | | | | |
| HSK63A-SFS03-160 | 03 | 9 | 22.5 | 160 | 134 | 129.3 | - | - | - | 5 |
| HSK63A-SFS04-160 | 04 | 10 | 23.5 | 160 | 134 | 129.3 | - | - | - | 5 |
| HSK63A-SFS06-160 | 06 | 12 | 25.5 | 160 | 134 | 129.3 | 36 | 10 | M5 | 5 |
| HSK63A-SFS08-160 | 08 | 14 | 27.5 | 160 | 134 | 129.3 | 36 | 10 | M6 | 5 |
| HSK63A-SFS10-160 | 10 | 16 | 29.5 | 160 | 134 | 129.3 | 42 | 10 | M8x1 | 5 |
| HSK63A-SFS12-160 | 12 | 18 | 31.5 | 160 | 134 | 129.3 | 47 | 10 | M10x1 | 5 |
| HSK63A-SFS16-160 | 16 | 22 | 35.5 | 160 | 134 | 129.3 | 50 | 10 | M12x1 | 5 |

# Shrink Fit Chuck, Slim, 3°
# 热缩刀柄 3 度 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





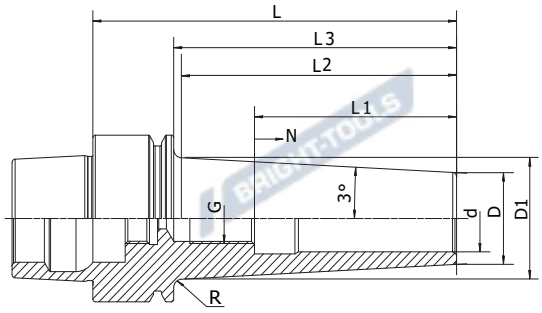

Inch

| Size | d | D | L | L3 | L1 | N | G |
|---|---|---|---|---|---|---|---|
| HSK63A-SFS1/8-3.15" | 0.125" | 0.59" | 3.15" | 2.13" | - | - | - |
| HSK63A-SFS3/16-3.15" | 0.187" | 0.59" | 3.15" | 2.13" | - | - | - |
| HSK63A-SFS1/4-3.15" | 0.250" | 0.83" | 3.15" | 2.13" | 1.42" | 0.39" | M5 |
| HSK63A-SFS5/16-3.15" | 0.312" | 0.83" | 3.15" | 2.13" | 1.42" | 0.39" | M6 |
| HSK63A-SFS3/8-3.35" | 0.375" | 0.94" | 3.35" | 2.32" | 1.65" | 0.39" | M8x1 |
| HSK63A-SFS1/2-3.54" | 0.500" | 1.06" | 3.54" | 2.52" | 1.85" | 0.39" | M10x1 |

# Shrink Fit Chuck, Slim, 3°
# 热缩刀柄 3 度 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



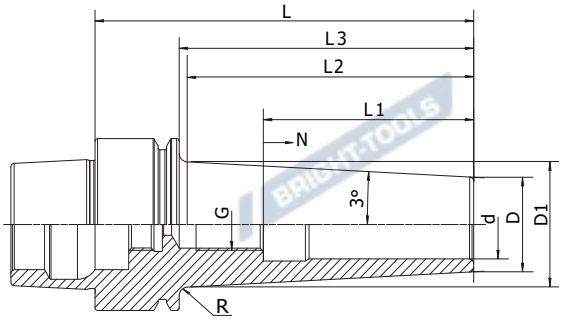



| Size | d | D | D1 | L | L3 | L2 | L1 | N | G | R |
|---|---|---|---|---|---|---|---|---|---|---|
| HSK25E-SFS03-50 | 03 | 9 | – | 50 | 40 | – | 23 | 8 | – | – |
| HSK25E-SFS04-50 | 04 | 10 | – | 50 | 40 | – | 20 | 4 | – | – |
| HSK25E-SFS05-50 | 05 | 11 | – | 50 | 40 | – | 20 | 3 | – | – |
| HSK25E-SFS06-50 | 06 | 12 | – | 50 | 40 | – | 36 | – | – | – |
| HSK25E-SFS08-50 | 08 | 14 | – | 50 | 40 | – | 36 | – | – | – |
| HSK25E-SFS10-50 | 10 | 16 | – | 50 | 40 | – | 42 | – | – | – |
| | | | | | | | | | | |
| HSK32E-SFS03-60 | 03 | 9 | 13.3 | 60 | 44 | 41.2 | 20 | 5 | – | 3 |
| HSK32E-SFS04-60 | 04 | 10 | 14.3 | 60 | 44 | 41.2 | 20 | 5 | – | 3 |
| HSK32E-SFS06-70 | 06 | 12 | 17.4 | 70 | 54 | 51.2 | 36 | 5 | M5 | 3 |
| HSK32E-SFS08-70 | 08 | 14 | 19.36 | 70 | 54 | 51.2 | 36 | 5 | M6 | 3 |
| HSK32E-SFS10-80 | 10 | 16 | 22.4 | 80 | 64 | 61.2 | 42 | 5 | M8x1 | 3 |
| | | | | | | | | | | |
| HSK40E-SFS03-50 | 03 | 9 | 11.9 | 50 | 30 | 27.2 | 20 | – | – | 3 |
| HSK40E-SFS04-50 | 04 | 10 | 12.9 | 50 | 30 | 27.2 | 20 | – | – | 3 |
| HSK40E-SFS06-60 | 06 | 12 | 15.9 | 60 | 40 | 37.2 | 36 | 10 | M5 | 3 |
| HSK40E-SFS08-60 | 08 | 14 | 17.9 | 60 | 40 | 37.2 | 36 | 10 | – | 3 |
| HSK40E-SFS10-60 | 10 | 16 | 19.9 | 60 | 40 | 37.2 | 42 | 10 | – | 3 |
| HSK40E-SFS12-60 | 12 | 18 | 21.9 | 60 | 40 | 37.2 | 42 | 10 | – | 3 |
| HSK40E-SFS16-70 | 16 | 22 | 27 | 70 | 50 | 48.1 | 50 | 10 | – | 2 |
| | | | | | | | | | | |
| HSK50E-SFS03-60 | 03 | 9 | 12.3 | 60 | 34 | 31.2 | – | – | – | 3 |
| HSK50E-SFS04-80 | 04 | 10 | 15.4 | 80 | 54 | 51.2 | – | – | – | 3 |
| HSK50E-SFS06-80 | 06 | 12 | 17.4 | 80 | 54 | 51.2 | 36 | 10 | M5 | 3 |
| HSK50E-SFS08-80 | 08 | 14 | 19.4 | 80 | 54 | 51.2 | 36 | 10 | M6 | 3 |
| HSK50E-SFS10-90 | 10 | 16 | 22.4 | 90 | 64 | 61.2 | 42 | 10 | M8x1 | 3 |
| HSK50E-SFS12-90 | 12 | 18 | 24.4 | 90 | 64 | 61.2 | 47 | 10 | M10x1 | 3 |
| HSK50E-SFS16-90 | 16 | 22 | 28.4 | 90 | 64 | 61.2 | 50 | 10 | M12x1 | 3 |

# Shrink Fit Chuck, Slim, 3°
# 热缩刀柄 3 度 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |






Inch

| Size | d | D | D1 | L | L3 | L1 | N | G |
|---|---|---|---|---|---|---|---|---|
| HSK40E-SFS1/8-2.36" | 1/8" | 0.36" | 0.63" | 2.36" | 1.57" | 0.78" | – | - |
| HSK40E-SFS3/16-2.36" | 3/16" | 0.43" | 0.69" | 2.36" | 1.57" | 0.78" | – | - |
| HSK40E-SFS1/4-2.36" | 1/4" | 0.47" | 0.81" | 2.36" | 1.57" | 1.42" | 0.39" | M5 |
| HSK40E-SFS3/8-2.36" | 3/8" | 0.63" | 0.94" | 2.36" | 1.57" | 1.65" | 0.39" | M8x1 |
| HSK40E-SFS1/2-2.36" | 1/2" | 0.71" | 1.06" | 2.36" | 1.57" | 1.85" | 0.39" | M10x1 |
| | | | | | | | | |
| HSK50E-SFS1/8-2.76 | 0.125 | 0.39 | 0.55 | 2.76 | 1.65 | 0.79 | – | - |
| HSK50E-SFS3/16-2.76 | 0.187 | 0.39 | 0.55 | 2.76 | 1.65 | 0.98 | – | - |
| HSK50E-SFS1/4-2.76 | 0.25 | 0.47 | 0.63 | 2.76 | 1.65 | 1.42 | 0.39" | M5 |
| HSK50E-SFS3/8-2.76 | 0.375 | 0.63 | 0.79 | 2.76 | 1.65 | 1.65 | 0.39" | M8x1 |
| HSK50E-SFS1/2-2.76 | 0.5 | 0.71 | 0.87 | 2.76 | 1.65 | 1.85 | 0.39" | M10x1 |
| HSK50E-SFS5/8-2.76 | 0.625 | 0.87 | 1.02 | 2.76 | 1.65 | 1.85 | 0.39" | M12x1 |
| HSK50E-SFS1/4-3.54 | 0.25 | 0.47 | 0.71 | 3.54 | 2.36 | 1.42 | 0.39" | M5 |
| HSK50E-SFS3/8-3.54 | 0.375 | 0.63 | 0.87 | 3.54 | 2.36 | 1.65 | 0.39" | M8x1 |
| HSK50E-SFS1/2-3.54 | 0.5 | 0.79 | 1.02 | 3.54 | 2.36 | 1.85 | 0.39" | M10x1 |
| HSK50E-SFS5/8-3.54 | 0.625 | 0.87 | 1.1 | 3.54 | 2.36 | 1.97 | 0.39" | M12x1 |
| HSK50E-SFS1/8-3.94 | 0.125 | 0.39 | 0.67 | 3.94 | 2.76 | 0.79 | – | - |
| HSK50E-SFS3/16-3.94 | 0.187 | 0.43 | 0.71 | 3.94 | 2.76 | 0.98 | – | - |
| HSK50E-SFS1/4-4.72 | 0.25 | 0.47 | 0.83 | 4.72 | 3.54 | 1.42 | 0.39" | M5 |
| HSK50E-SFS3/8-4.72 | 0.375 | 0.63 | 0.98 | 4.72 | 3.54 | 1.65 | 0.39" | M8x1 |
| HSK50E-SFS1/2-4.72 | 0.5 | 0.79 | 1.14 | 4.72 | 3.54 | 1.85 | 0.39" | M10x1 |
| HSK50E-SFS5/8-4.72 | 0.625 | 0.87 | 1.22 | 4.72 | 3.54 | 1.97 | 0.39" | M12x1 |

# Shrink Fit Extension, 3°
# 3° 直柄热缩延长杆



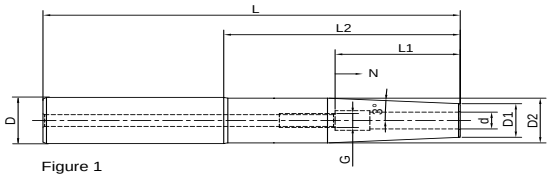
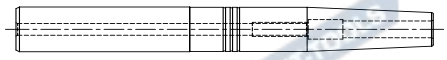
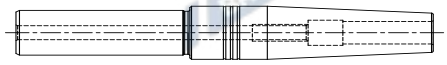


Figure 1


Figure 2


Figure 3

| Size | d | D1 | D2 | D | L | L1 | L2 | N | G | Figure |
|---|---|---|---|---|---|---|---|---|---|---|
| C12-SFS03-120 | 03 | 9 | - | 12 | 120 | - | - | - | - | 2 |
| C12-SFS04-120 | 04 | 10 | - | 12 | 120 | - | - | - | - | 2 |
| C12-SFS05-120 | 05 | 11 | - | 12 | 120 | - | - | - | - | 2 |
| C12-SFS06-120 | 06 | 12 | 17 | 12 | 120 | 36 | 73 | 10 | M5 | 3 |
| C12-SFS08-120 | 08 | 14 | 19 | 12 | 120 | 36 | 73 | 10 | M6 | 3 |
| C16-SFS03-120 | 03 | 9 | - | 16 | 120 | - | - | - | - | 2 |
| C16-SFS04-120 | 04 | 10 | - | 16 | 120 | - | - | - | - | 2 |
| C16-SFS05-120 | 05 | 11 | - | 16 | 120 | - | - | - | - | 2 |
| C16-SFS06-120 | 06 | 12 | - | 16 | 120 | 36 | - | 10 | M5 | 2 |
| C16-SFS08-120 | 08 | 14 | - | 16 | 120 | 36 | - | 10 | M6 | 2 |
| C20-SFS03-120 | 03 | 9 | 15.5 | 20 | 120 | - | 68 | - | - | 1 |
| C20-SFS04-120 | 04 | 10 | 16.5 | 20 | 120 | - | 68 | - | - | 1 |
| C20-SFS05-120 | 05 | 11 | 17.5 | 20 | 120 | - | 68 | - | - | 1 |
| C20-SFS06-120 | 06 | 12 | 18 | 20 | 120 | 36 | 68 | 10 | M5 | 1 |
| C20-SFS08-120 | 08 | 14 | - | 20 | 120 | 36 | - | 10 | M6 | 2 |
| C20-SFS10-120 | 10 | 16 | - | 20 | 120 | 42 | - | 10 | M8x1 | 2 |
| C20-SFS12-120 | 12 | 18 | - | 20 | 120 | 47 | - | 10 | M10x1 | 2 |
| | | | | | | | | | | |
| C12-SFS03-160 | 03 | 9 | - | 12 | 160 | - | - | - | - | 2 |
| C12-SFS04-160 | 04 | 10 | - | 12 | 160 | - | - | - | - | 2 |
| C16-SFS03-160 | 03 | 9 | - | 16 | 160 | - | - | - | - | 2 |
| C16-SFS04-160 | 04 | 10 | - | 16 | 160 | - | - | - | - | 2 |
| C16-SFS05-160 | 05 | 11 | - | 16 | 160 | - | - | - | - | 2 |
| C16-SFS06-160 | 06 | 12 | - | 16 | 160 | 36 | - | 10 | M5 | 2 |
| C16-SFS08-160 | 08 | 14 | - | 16 | 160 | 36 | - | 10 | M6 | 2 |
| C16-SFS10-160 | 10 | 16 | 21 | 16 | 160 | 42 | 110 | 10 | M8x1 | 3 |

# Shrink Fit Extension, 3°
# 3° 直柄热缩延长杆



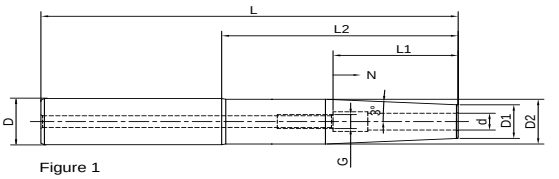
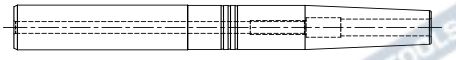
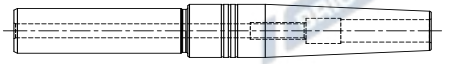


Figure 1


Figure 2


Figure 3

| Size | d | D1 | D2 | D | L | L1 | L2 | N | G | Figure |
|---|---|---|---|---|---|---|---|---|---|---|
| C20-SFS05-160 | 05 | 11 | - | 20 | 160 | - | - | - | - | 2 |
| C20-SFS06-160 | 06 | 12 | - | 20 | 160 | 36 | - | 10 | M5 | 2 |
| C20-SFS08-160 | 08 | 14 | - | 20 | 160 | 36 | - | 10 | M6 | 2 |
| C25-SFS08-160 | 08 | 14 | - | 25 | 160 | 36 | - | 10 | M6 | 2 |
| C25-SFS10-160 | 10 | 16 | - | 25 | 160 | 42 | - | 10 | M8x1 | 2 |
| C25-SFS12-160 | 12 | 18 | - | 25 | 160 | 47 | - | 10 | M10x1 | 2 |
| C25-SFS14-160 | 14 | 20 | - | 25 | 160 | 47 | - | 10 | M10x1 | 2 |
| C25-SFS16-160 | 16 | 22 | - | 25 | 160 | 50 | - | 10 | M12x1 | 2 |
| C32-SFS10-160 | 10 | 16 | 25 | 32 | 160 | 42 | 98 | 10 | M8x1 | 1 |
| C32-SFS12-160 | 12 | 18 | 27 | 32 | 160 | 47 | 98 | 10 | M10x1 | 1 |
| C32-SFS14-160 | 14 | 20 | 29 | 32 | 160 | 47 | 98 | 10 | M10x1 | 1 |
| C32-SFS16-160 | 16 | 22 | - | 32 | 160 | 50 | - | 10 | M12x1 | 2 |
| C32-SFS18-160 | 18 | 25 | - | 32 | 160 | 50 | - | 10 | M12x1 | 2 |
| C32-SFS20-160 | 20 | 26 | - | 32 | 160 | 52 | - | 10 | M16x1 | 2 |
| | | | | | | | | | | |
| C16-SFS03-200 | 03 | 9 | - | 16 | 200 | - | - | - | - | 2 |
| C16-SFS04-200 | 04 | 10 | - | 16 | 200 | - | - | - | - | 2 |
| C16-SFS05-200 | 05 | 11 | - | 16 | 200 | - | - | - | - | 2 |
| C16-SFS06-200 | 06 | 12 | - | 16 | 200 | 36 | - | 10 | M5 | 2 |
| C16-SFS08-200 | 08 | 14 | - | 16 | 200 | 36 | - | 10 | M6 | 2 |
| C20-SFS04-200 | 04 | 10 | - | 20 | 200 | - | - | - | - | 2 |
| C20-SFS06-200 | 06 | 12 | - | 20 | 200 | 36 | - | 10 | M5 | 2 |
| C20-SFS08-200 | 08 | 14 | - | 20 | 200 | 36 | - | 10 | M6 | 2 |
| C20-SFS10-200 | 10 | 16 | - | 20 | 200 | 42 | - | 10 | M8x1 | 2 |
| | | | | | | | | | | |
| C20-SFS06-250 | 06 | 12 | - | 20 | 250 | 36 | - | 10 | M5 | 2 |
| C20-SFS08-250 | 08 | 14 | - | 20 | 250 | 36 | - | 10 | M6 | 2 |
| C20-SFS10-250 | 10 | 16 | - | 20 | 250 | 42 | - | 10 | M8x1 | 2 |
| C25-SFS12-250 | 12 | 18 | - | 25 | 250 | 47 | - | 10 | M10x1 | 2 |
| C25-SFS16-250 | 16 | 22 | - | 25 | 250 | 50 | - | 10 | M12x1 | 2 |
| | | | | | | | | | | |
| C20-SFS06-300 | 06 | 12 | - | 20 | 300 | 36 | - | 10 | M5 | 2 |
| C20-SFS08-300 | 08 | 14 | - | 20 | 300 | 36 | - | 10 | M6 | 2 |
| C20-SFS10-300 | 10 | 16 | - | 20 | 300 | 42 | - | 10 | M8x1 | 2 |
| C25-SFS12-300 | 12 | 18 | - | 25 | 300 | 47 | - | 10 | M10x1 | 2 |
| C25-SFS16-300 | 16 | 22 | - | 25 | 300 | 50 | - | 10 | M12x1 | 2 |

# Shrink Fit Extension, 3°
# 3° 直柄热缩延长杆



Inch

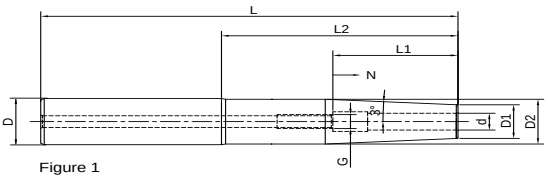



Figure 1

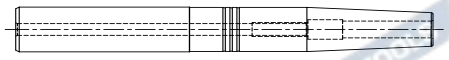


Figure 2

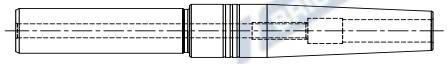
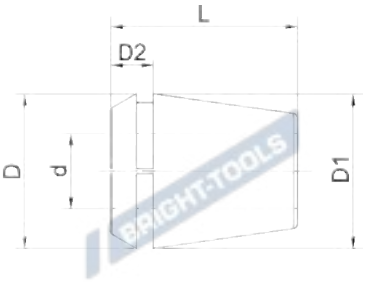


Figure 3

| Size | d | D1 | D2 | D | L | L1 | L2 | N | G | Figure |
|---|---|---|---|---|---|---|---|---|---|---|
| C1/2-1/8-4.33 | 1/8 | 0.39 | 1/2 | 1/2 | 4.33 | 0.79 | 2.48 | 0.2 | - | 2 |
| C3/4-1/8-4.33 | 1/8 | 0.39 | 3/4 | 3/4 | 4.33 | 0.98 | 2.28 | 0.2 | - | 1 |
| C1/2-1/4-4.33 | 1/4 | 0.47 | 1/2 | 1/2 | 4.33 | 1.42 | 2.48 | 0.39 | M5 | 3 |
| C3/4-1/4-4.33 | 1/4 | 0.47 | 3/4 | 3/4 | 4.33 | 1.42 | 2.28 | 0.39 | M5 | 1 |
| C3/4-3/8-4.33 | 3/8 | 0.63 | 3/4 | 3/4 | 4.33 | 1.65 | 2.28 | 0.39 | M8*1 | 2 |
| C3/4-1/8-9.84 | 1/8 | 0.39 | 3/4 | 3/4 | 9.84 | 0.79 | 7.79 | 0.2 | M6 | 1 |
| C3/4-1/4-9.84 | 1/4 | 0.47 | 3/4 | 3/4 | 9.84 | 1.42 | 7.79 | 0.39 | M5 | 1 |
| C3/4-3/8-9.84 | 3/8 | 0.63 | 3/4 | 3/4 | 9.84 | 1.65 | 7.79 | 0.39 | M8*1 | 2 |
| C3/4-1/2-9.84 | 1/2 | 0.79 | 1 | 3/4 | 9.84 | 1.85 | 7.59 | 0.39 | M10*1 | 1 |
| C1-1/2-9.84 | 1/2 | 0.87 | 1 | 1 | 9.84 | 1.85 | 7.59 | 0.39 | M10*1 | 1 |
| C1-5/8-9.84 | 5/8 | 0.87 | 1 | 1 | 9.84 | 1.97 | 7.59 | 0.39 | M12*1 | 2 |

# Shrink Fit ER Collet
## ER 热缩夹头

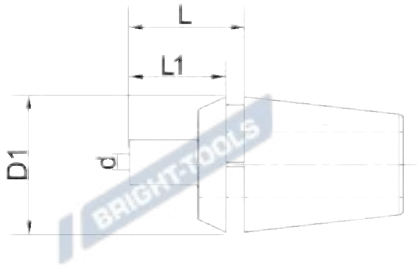





| Size | Collet Size | d | D1 | D2 | L |
|---|---|---|---|---|---|
| ER16-SF03 | ER16 | 03 | 16 | 6.7 | 27.5 |
| ER16-SF04 | ER16 | 04 | 16 | 6.7 | 27.5 |
| ER16-SF05 | ER16 | 05 | 16 | 6.7 | 27.5 |
| ER16-SF06 | ER16 | 06 | 16 | 6.7 | 27.5 |
| ER16-SF08 | ER16 | 08 | 16 | 6.7 | 27.5 |
| ER16-SF10 | ER16 | 10 | 16 | 6.7 | 27.5 |
| | | | | | |
| ER20-SF03 | ER20 | 03 | 20 | 7.52 | 31.5 |
| ER20-SF04 | ER20 | 04 | 20 | 7.52 | 31.5 |
| ER20-SF05 | ER20 | 05 | 20 | 7.52 | 31.5 |
| ER20-SF06 | ER20 | 06 | 20 | 7.52 | 31.5 |
| ER20-SF08 | ER20 | 08 | 20 | 7.52 | 31.5 |
| ER20-SF10 | ER20 | 10 | 20 | 7.52 | 31.5 |
| ER20-SF12 | ER20 | 12 | 20 | 7.52 | 31.5 |
| | | | | | |
| ER25-SF03 | ER25 | 03 | 25 | 8 | 34 |
| ER25-SF04 | ER25 | 04 | 25 | 8 | 34 |
| ER25-SF05 | ER25 | 05 | 25 | 8 | 34 |
| ER25-SF06 | ER25 | 06 | 25 | 8 | 34 |
| ER25-SF08 | ER25 | 08 | 25 | 8 | 34 |
| ER25-SF10 | ER25 | 10 | 25 | 8 | 34 |
| ER25-SF12 | ER25 | 12 | 25 | 8 | 34 |
| ER25-SF14 | ER25 | 14 | 25 | 8 | 34 |
| ER25-SF16 | ER25 | 16 | 25 | 8 | 34 |
| | | | | | |
| ER32-SF03 | ER32 | 03 | 32 | 9 | 40 |
| ER32-SF04 | ER32 | 04 | 32 | 9 | 40 |
| ER32-SF05 | ER32 | 05 | 32 | 9 | 40 |
| ER32-SF06 | ER32 | 06 | 32 | 9 | 40 |
| ER32-SF08 | ER32 | 08 | 32 | 9 | 40 |
| ER32-SF10 | ER32 | 10 | 32 | 9 | 40 |
| ER32-SF12 | ER32 | 12 | 32 | 9 | 40 |
| ER32-SF14 | ER32 | 14 | 32 | 9 | 40 |
| ER32-SF16 | ER32 | 16 | 32 | 9 | 40 |
| ER32-SF18 | ER32 | 18 | 32 | 9 | 40 |
| ER32-SF20 | ER32 | 20 | 32 | 9 | 40 |

# Shrink Fit ER Collet Extension
## ER 热缩延长杆






| Size | Collet Size | d | D1 | L | L1 |
|---|---|---|---|---|---|
| ER16-SFS03-35 | ER16 | 03 | 16 | 41.7 | 35 |
| ER16-SFS04-35 | ER16 | 04 | 16 | 41.7 | 35 |
| ER16-SFS05-35 | ER16 | 05 | 16 | 41.7 | 35 |
| ER16-SFS06-35 | ER16 | 06 | 16 | 41.7 | 35 |
| | | | | | |
| ER20-SFS03-35 | ER20 | 03 | 20 | 42.52 | 35 |
| ER20-SFS04-35 | ER20 | 04 | 20 | 42.52 | 35 |
| ER20-SFS05-35 | ER20 | 05 | 20 | 42.52 | 35 |
| ER20-SFS06-35 | ER20 | 06 | 20 | 42.52 | 35 |
| ER20-SFS08-35 | ER20 | 08 | 20 | 42.52 | 35 |
| | | | | | |
| ER25-SFS03-35 | ER25 | 03 | 25 | 43 | 35 |
| ER25-SFS04-35 | ER25 | 04 | 25 | 43 | 35 |
| ER25-SFS05-35 | ER25 | 05 | 25 | 43 | 35 |
| ER25-SFS06-35 | ER25 | 06 | 25 | 43 | 35 |
| ER25-SFS08-35 | ER25 | 08 | 25 | 43 | 35 |
| ER25-SFS10-35 | ER25 | 10 | 25 | 43 | 35 |
| | | | | | |
| ER32-SFS03-35 | ER32 | 03 | 32 | 44 | 35 |
| ER32-SFS04-35 | ER32 | 04 | 32 | 44 | 35 |
| ER32-SFS05-35 | ER32 | 05 | 32 | 44 | 35 |
| ER32-SFS06-35 | ER32 | 06 | 32 | 44 | 35 |
| ER32-SFS08-35 | ER32 | 08 | 32 | 44 | 35 |
| ER32-SFS10-35 | ER32 | 10 | 32 | 44 | 35 |
| ER32-SFS12-35 | ER32 | 12 | 32 | 44 | 35 |
| ER32-SFS14-35 | ER32 | 14 | 32 | 44 | 35 |
| ER32-SFS16-35 | ER32 | 16 | 32 | 44 | 35 |

# Shrink Chuck Set
# 热缩刀柄套装

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |

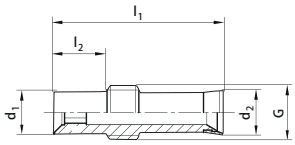


| Size | Tool Holder Size | Extension Size | Extension Quantity |
|---|---|---|---|
| BT40-SF16-90-4 pcs | BT40-SF16-90 | C16-SFS03/04/06/08-160 | 4 |
| BT40-SF16-90-4 pcs | BT40-SF16-90 | C16-SFS03/04/06/08-160 | 4 |
| BT40-SF20-90-6 pcs | BT40-SF20-90 | C20-SFS03/04/06/08/10/12-160 | 6 |
| | | | |
| SK40-SF16-90-4 pcs | SK40-SF16-90 | C12-SFS03/04/06/08-160 | 4 |
| SK40-SF16-90-4 pcs | SK40-SF16-90 | C16-SFS03/04/06/08-160 | 4 |
| SK40-SF20-90-6 pcs | SK40-SF20-90 | C20-SFS03/04/06/08/10/12-160 | 6 |
| | | | |
| HSK63A-SF16-90-4 pcs | HSK63A-SF16-90 | C12-SFS03/04/06/08-160 | 4 |
| HSK63A-SF16-90-4 pcs | HSK63A-SF16-90 | C16-SFS03/04/06/08-160 | 4 |
| HSK63A-SF20-90-6 pcs | HSK63A-SF20-90 | C20-SFS03/04/06/08/10/12-160 | 6 |

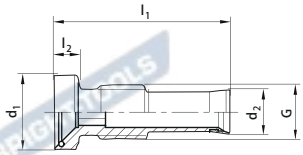
# MQL1 Channel Length Setting Screws
## 微润滑单通道长度调节螺钉



Type 1




Type 2

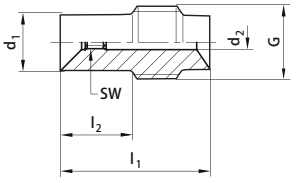



| Size | HSK-A | d1 | d2 | L1 | L2 | G | SW | Type |
|---|---|---|---|---|---|---|---|---|
| MQL10060320 | 32 | 06 | 4.0 | 34.5 | 2.5 | M5x0.8 | 2 | 2 |
| MQL10080320 | 32 | 08 | 4.0 | 34.5 | 3.0 | M7x1 | 2 | 2 |
| MQL10100320 | 32 | 10 | 4.0 | 35.5 | 3.5 | M8x1 | 2 | 2 |
| MQL10120320 | 32 | 12 | 4.0 | 35.5 | 3.5 | M10x1 | 2 | 2 |
| | | | | | | | | |
| MQL10060400 | 40 | 06 | 5.4 | 34.1 | 11.0 | M7x1 | 3 | 1 |
| MQL10080400 | 40 | 08 | 5.4 | 34.1 | 3.0 | M7x1 | 3 | 2 |
| MQL10100400 | 40 | 10 | 5.4 | 30.1 | 3.5 | M8x1 | 3 | 2 |
| MQL10120400 | 40 | 12 | 5.4 | 35.1 | 3.5 | M10x1 | 3 | 2 |
| MQL10140400 | 40 | 14 | 5.4 | 35.1 | 4.5 | M10x1 | 3 | 2 |
| MQL10160400 | 40 | 16 | 5.4 | 32.1 | 5.5 | M12x1 | 3 | 2 |
| | | | | | | | | |
| MQL10060500 | 50 | 06 | 6.5 | 31.8 | 10.0 | M8x1 | 4 | 1 |
| MQL10080500 | 50 | 08 | 6.5 | 31.8 | 3.0 | M8x1 | 4 | 2 |
| MQL10100500 | 50 | 10 | 6.5 | 32.8 | 3.5 | M8x1 | 4 | 2 |
| MQL10120500 | 50 | 12 | 6.5 | 32.8 | 3.5 | M10x1 | 4 | 2 |
| MQL10140500 | 50 | 14 | 6.5 | 32.8 | 4.5 | M10x1 | 4 | 2 |
| MQL10160500 | 50 | 16 | 6.5 | 34.8 | 5.5 | M12x1 | 4 | 2 |
| MQL10180500 | 50 | 18 | 6.5 | 34.8 | 6.5 | M12x1 | 4 | 2 |
| MQL10200500 | 50 | 20 | 6.5 | 37.8 | 6.5 | M16x1 | 4 | 2 |
| | | | | | | | | |
| MQL10061000 | 63/80/100 | 06 | 8.0 | 31 | 10.0 | M10x1 | 4 | 1 |
| MQL10081000 | 63/80/100 | 08 | 8.0 | 31.8 | 10.0 | M10x1 | 4 | 1 |
| MQL10101000 | 63/80/100 | 10 | 8.0 | 32.8 | 3.5 | M10x1 | 4 | 2 |
| MQL10121000 | 63/80/100 | 12 | 8.0 | 32.8 | 3.5 | M10x1 | 5 | 2 |
| MQL10141000 | 63/80/100 | 14 | 8.0 | 32.8 | 4.5 | M10x1 | 5 | 2 |
| MQL10161000 | 63/80/100 | 16 | 8.0 | 34.8 | 5.5 | M12x1 | 5 | 2 |
| MQL10181000 | 63/80/100 | 18 | 8.0 | 34.8 | 6.5 | M12x1 | 5 | 2 |
| MQL10201000 | 63/80/100 | 20 | 8.0 | 37.8 | 6.5 | M16x1 | 5 | 2 |
| MQL10251000 | 63/80/100 | 25 | 8.0 | 43.8 | 10.0 | M16x1 | 5 | 2 |
| MQL10321000 | 63/80/100 | 32 | 8.0 | 44.8 | 14.0 | M16x1 | 5 | 2 |

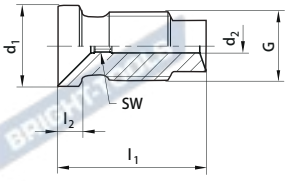
# MQL2 Channel Length Setting Screws
## 微润滑双通道长度调节螺钉



Type 1




Type 2

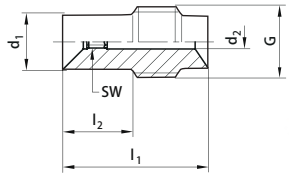



| Size | HSK-A | d1 | A | d1 | L1 | L2 | G | SW | Type |
|---|---|---|---|---|---|---|---|---|---|
| MQL20060320 | 32 | 06 | 2.01 | 2 | 25.8 | 2.5 | M5x0.8 | 1.5 | 2 |
| MQL20061320 | 32 | 06 | 4.15 | 2.9 | 25.8 | 2.5 | M5x0.8 | 2 | 2 |
| MQL20080320 | 32 | 08 | 2.01 | 2 | 21 | 3 | M7x1 | 1.5 | 2 |
| MQL20081320 | 32 | 08 | 4.15 | 2.9 | 21 | 3 | M7x1 | 2 | 2 |
| MQL20100320 | 32 | 10 | 2.01 | 2 | 22 | 3.5 | M8x1 | 1.5 | 2 |
| MQL20101320 | 32 | 10 | 4.15 | 2.9 | 22 | 3.5 | M8x1 | 2 | 2 |
| MQL20120320 | 32 | 12 | 2.01 | 2 | 22 | 3.5 | M10x1 | 1.5 | 2 |
| MQL20121320 | 32 | 12 | 4.15 | 2.9 | 22 | 3.5 | M10x1 | 2 | 2 |
| MQL20060400 | 40 | 06 | 2.01 | 2 | 26.5 | 11 | M7x1 | 1.5 | 1 |
| MQL20061400 | 40 | 06 | 4.15 | 2.9 | 26.5 | 11 | M7x1 | 2 | 1 |
| MQL20080400 | 40 | 08 | 2.01 | 2 | 26.5 | 3 | M7x1 | 1.5 | 2 |
| MQL20081400 | 40 | 08 | 4.15 | 2.9 | 26.5 | 3 | M7x1 | 2 | 2 |
| MQL20100400 | 40 | 10 | 2.01 | 2 | 22.2 | 3.5 | M8x1 | 1.5 | 2 |
| MQL20101400 | 40 | 10 | 4.15 | 2.9 | 22.2 | 3.5 | M8x1 | 2 | 2 |
| MQL20120400 | 40 | 12 | 2.01 | 2 | 26.5 | 3.5 | M10x1 | 1.5 | 2 |
| MQL20121400 | 40 | 12 | 4.15 | 2.9 | 26.5 | 3.5 | M10x1 | 2 | 2 |
| MQL20122400 | 40 | 12 | 9.08 | 4.1 | 26.5 | 3.5 | M10x1 | 3 | 2 |
| MQL20140400 | 40 | 14 | 2.01 | 2 | 26.5 | 4.5 | M10x1 | 1.5 | 2 |
| MQL20141400 | 40 | 14 | 4.15 | 2.9 | 26.5 | 4.5 | M10x1 | 2 | 2 |
| MQL20142400 | 40 | 14 | 9.08 | 4.1 | 26.5 | 4.5 | M10x1 | 3 | 2 |
| MQL20160400 | 40 | 16 | 2.01 | 2 | 23.5 | 5.5 | M12x1 | 1.5 | 2 |
| MQL20161400 | 40 | 16 | 4.15 | 2.9 | 23.5 | 5.5 | M12x1 | 2 | 2 |
| MQL20162400 | 40 | 16 | 9.08 | 4.1 | 23.5 | 5.5 | M12x1 | 3 | 2 |

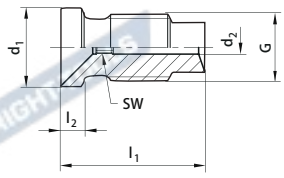
# MQL2 Channel Length Setting Screws
## 微润滑双通道长度调节螺钉



Type 1




Type 2

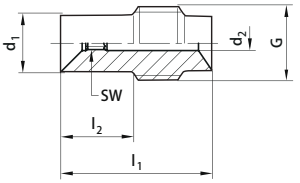



| Size | HSK-A | d1 | A | d1 | L1 | L2 | G | SW | Type |
|---|---|---|---|---|---|---|---|---|---|
| MQL20060500 | 50 | 06 | 2.01 | 2 | 22 | 10 | M8x1 | 1.5 | 1 |
| MQL20061500 | 50 | 06 | 4.15 | 2.9 | 22 | 10 | M8x1 | 2 | 1 |
| MQL20080500 | 50 | 08 | 2.01 | 2 | 22 | 3 | M8x1 | 1.5 | 2 |
| MQL20081500 | 50 | 08 | 4.15 | 2.9 | 22 | 3 | M8x1 | 2 | 2 |
| MQL20100500 | 50 | 10 | 2.01 | 2 | 23 | 3.5 | M8x1 | 1.5 | 2 |
| MQL20101500 | 50 | 10 | 4.15 | 2.9 | 23 | 3.5 | M8x1 | 2 | 2 |
| MQL20120500 | 50 | 12 | 2.01 | 2 | 23.7 | 3.5 | M10x1 | 1.5 | 2 |
| MQL20121500 | 50 | 12 | 4.15 | 2.9 | 23.7 | 3.5 | M10x1 | 2 | 2 |
| MQL20122500 | 50 | 12 | 9.08 | 4.1 | 23.7 | 3.5 | M10x1 | 3 | 2 |
| MQL20140500 | 50 | 14 | 2.01 | 2 | 23.7 | 4.5 | M10x1 | 1.5 | 2 |
| MQL20141500 | 50 | 14 | 4.15 | 2.9 | 23.7 | 4.5 | M10x1 | 2 | 2 |
| MQL20142500 | 50 | 14 | 9.08 | 4.1 | 23.7 | 4.5 | M10x1 | 3 | 2 |
| MQL20160500 | 50 | 16 | 2.01 | 2 | 25.7 | 5.5 | M12x1 | 1.5 | 2 |
| MQL20161500 | 50 | 16 | 4.15 | 2.9 | 25.7 | 5.5 | M12x1 | 2 | 2 |
| MQL20162500 | 50 | 16 | 9.08 | 4.1 | 25.7 | 5.5 | M12x1 | 3 | 2 |
| MQL20180500 | 50 | 18 | 2.01 | 2 | 25.7 | 6.5 | M12x1 | 1.5 | 2 |
| MQL20181500 | 50 | 18 | 4.15 | 2.9 | 25.7 | 6.5 | M12x1 | 2 | 2 |
| MQL20182500 | 50 | 18 | 9.08 | 4.1 | 25.7 | 6.5 | M12x1 | 3 | 2 |
| MQL20200500 | 50 | 20 | 4.15 | 2.9 | 27.5 | 6.5 | M16x1 | 2 | 2 |
| MQL20201500 | 50 | 20 | 9.08 | 4.1 | 27.5 | 6.5 | M16x1 | 3 | 2 |
| MQL20202500 | 50 | 20 | 16.62 | 5.4 | 27.5 | 6.5 | M16x1 | 4 | 2 |

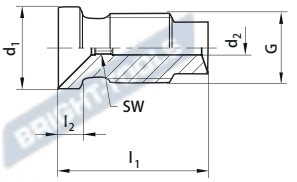
# MQL2 Channel Length Setting Screws
## 微润滑双通道长度调节螺钉



Type 1



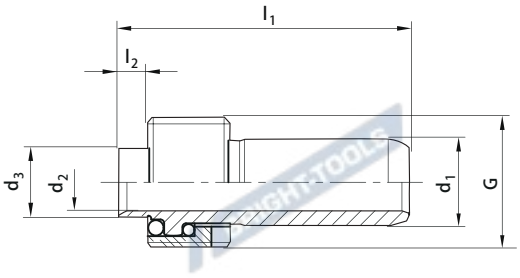

Type 2




| Size | HSK-A | d1 | A | d1 | L1 | L2 | G | SW | Type |
|---|---|---|---|---|---|---|---|---|---|
| MQL20061000 | 63/80/100 | 06 | 2 | 2 | 21 | 10 | M10x1 | 2 | 1 |
| MQL20061010 | 63/80/100 | 06 | 4.15 | 2.9 | 20.5 | 10 | M10x1 | 2 | 1 |
| MQL20081000 | 63/80/100 | 08 | 2.01 | 2 | 21.3 | 10 | M10x1 | 1.5 | 1 |
| MQL20081010 | 63/80/100 | 08 | 4.15 | 2.9 | 21.3 | 10 | M10x1 | 2 | 1 |
| MQL20101000 | 63/80/100 | 10 | 2.01 | 2 | 21.2 | 3.5 | M10x1 | 1.5 | 2 |
| MQL20101010 | 63/80/100 | 10 | 4.15 | 2.9 | 21.2 | 3.5 | M10x1 | 2 | 2 |
| MQL20121000 | 63/80/100 | 12 | 2.01 | 2 | 21.7 | 3.5 | M10x1 | 1.5 | 2 |
| MQL20121010 | 63/80/100 | 12 | 4.15 | 2.9 | 21.7 | 3.5 | M10x1 | 2 | 2 |
| MQL20121020 | 63/80/100 | 12 | 9.08 | 4.1 | 21.7 | 3.5 | M10x1 | 3 | 2 |
| MQL20141000 | 63/80/100 | 14 | 2.01 | 2 | 21.8 | 4.5 | M10x1 | 1.5 | 2 |
| MQL20141010 | 63/80/100 | 14 | 4.15 | 2.9 | 21.8 | 4.5 | M10x1 | 2 | 2 |
| MQL20141020 | 63/80/100 | 14 | 9.08 | 4.1 | 21.8 | 4.5 | M10x1 | 3 | 2 |
| MQL20161000 | 63/80/100 | 16 | 2.01 | 2 | 23.7 | 5.5 | M12x1 | 1.5 | 2 |
| MQL20161010 | 63/80/100 | 16 | 4.15 | 2.9 | 23.7 | 5.5 | M12x1 | 2 | 2 |
| MQL20161020 | 63/80/100 | 16 | 9.08 | 4.1 | 23.7 | 5.5 | M12x1 | 3 | 2 |
| MQL20181000 | 63/80/100 | 18 | 2.01 | 2 | 23.8 | 6.5 | M12x1 | 1.5 | 2 |
| MQL20181010 | 63/80/100 | 18 | 4.15 | 2.9 | 23.8 | 6.5 | M12x1 | 2 | 2 |
| MQL20181020 | 63/80/100 | 18 | 9.08 | 4.1 | 23.8 | 6.5 | M12x1 | 3 | 2 |
| MQL20201000 | 63/80/100 | 20 | 4.15 | 2.9 | 26.7 | 6.5 | M16x1 | 2 | 2 |
| MQL20201010 | 63/80/100 | 20 | 9.08 | 4.1 | 26.7 | 6.5 | M16x1 | 3 | 2 |
| MQL20201020 | 63/80/100 | 20 | 16.62 | 5.4 | 26.7 | 6.5 | M16x1 | 4 | 2 |
| MQL20251000 | 63/80/100 | 25 | 4.15 | 2.9 | 30.6 | 10 | M16x1 | 2 | 2 |
| MQL20251010 | 63/80/100 | 25 | 9.08 | 4.1 | 30.6 | 10 | M16x1 | 3 | 2 |
| MQL20251020 | 63/80/100 | 25 | 16.62 | 5.4 | 30.6 | 10 | M16x1 | 4 | 2 |
| MQL20321000 | 63/80/100 | 32 | 4.15 | 2.9 | 31.6 | 14 | M16x1 | 2 | 2 |
| MQL20321010 | 63/80/100 | 32 | 9.08 | 4.1 | 31.6 | 14 | M16x1 | 3 | 2 |
| MQL20321020 | 63/80/100 | 32 | 16.62 | 5.4 | 31.6 | 14 | M16x1 | 4 | 2 |

# MQL1 Channel Coolant Supply Set
## 微润滑单通道冷却导管

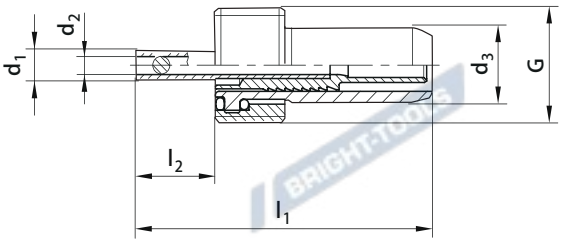





| Size | HSK-A | d1 | d2 | d3 | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| MQL10100320 | 32 | 06 | 4 | 5 | 39 | 13 | M10x1.0 |
| MQL10120400 | 40 | 08 | 5.4 | 6.5 | 35.0 | 5.5 | M12x1.0 |
| MQL10160500 | 50 | 10 | 6.5 | 7.5 | 38.5 | 5.5 | M16x1.0 |
| MQL10180630 | 63 | 12 | 8.0 | 9.5 | 40.5 | 4.0 | M18x1.0 |
| MQL10200800 | 80 | 14 | 8.0 | 9.7 | 44.0 | 4.0 | M20x1.5 |
| MQL10241000 | 100 | 16 | 8.0 | 11.5 | 46.0 | 2.0 | M24x1.5 |

# MQL2 Channel Coolant Supply Set
## 微润滑双通道冷却导管

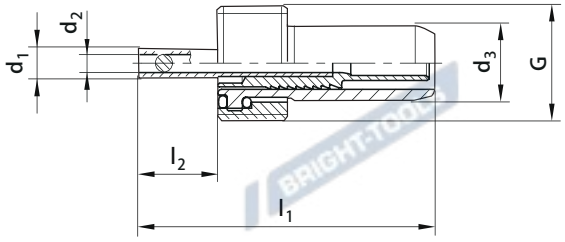





| Size | HSK-A | clamp | A | d1 | d2 | d3 | l1 | l2 | G |
|---|---|---|---|---|---|---|---|---|---|
| MQL20120320 | 32 | 6-12 | 2.01 | 1.9 | 1.6 | 6 | 47 | 20.6 | M10x1 |
| MQL20121320 | 32 | 6-12 | 4.15 | 2.8 | 2.3 | 6 | 47 | 20.6 | M10x1 |
| MQL20160400 | 40 | 6/16 | 2.01 | 1.9 | 1.6 | 8 | 43.3 | 14.5 | M12x1 |
| MQL20161400 | 40 | 6/16 | 4.15 | 2.8 | 2.3 | 8 | 43.3 | 14.5 | M12x1 |
| MQL20162400 | 40 | 12/16 | 9.08 | 4.0 | 3.4 | 8 | 43.1 | 14.3 | M12x1 |
| MQL20100500 | 50 | 6/10 | 2.01 | 1.9 | 1.6 | 10 | 48.6 | 16.0 | M16x1.0 |
| MQL20101500 | 50 | 6/10 | 4.15 | 2.8 | 2.3 | 10 | 48.6 | 16.0 | M16x1.0 |
| MQL20180500 | 50 | 12/18 | 2.01 | 1.9 | 1.6 | 10 | 46.5 | 13.9 | M16x1.0 |
| MQL20200500 | 50 | 12/20 | 4.15 | 2.8 | 2.3 | 10 | 46.5 | 13.9 | M16x1.0 |
| MQL20201500 | 50 | 12/20 | 9.08 | 4.0 | 3.4 | 10 | 46.5 | 13.9 | M16x1.0 |
| MQL20202500 | 50 | 20 | 16.62 | 5.3 | 4.6 | 10 | 46.5 | 13.9 | M16x1.0 |
| MQL20100630 | 63 | 6/10 | 2.01 | 1.9 | 1.6 | 12 | 50.0 | 14.1 | M18x1.0 |
| MQL20101630 | 63 | 6/10 | 4.15 | 2.8 | 2.3 | 12 | 50.0 | 14.1 | M18x1.0 |
| MQL20180630 | 63 | 12/18 | 2.01 | 1.9 | 1.6 | 12 | 48.8 | 13.0 | M18x1.0 |
| MQL20200630 | 63 | 12/20 | 4.15 | 2.8 | 2.3 | 12 | 48.8 | 13.0 | M18x1.0 |
| MQL20201630 | 63 | 12/20 | 9.08 | 4.0 | 3.4 | 12 | 48.8 | 13.0 | M18x1.0 |
| MQL20202630 | 63 | 20 | 16.62 | 5.3 | 4.6 | 12 | 50.0 | 14.2 | M18x1.0 |
| MQL20320630 | 63 | 25-32 | 4.15 | 2.8 | 2.3 | 12 | 54.1 | 18.3 | M18x1.0 |
| MQL20321630 | 63 | 25-32 | 9.08 | 4.0 | 3.4 | 12 | 54.1 | 18.3 | M18x1.0 |
| MQL20322630 | 63 | 25-32 | 16.62 | 5.3 | 4.6 | 12 | 54.1 | 18.3 | M18x1.0 |
| MQL22080630 | 63 | 6/8 | 2.01 | 1.9 | 1.6 | 12 | 90.0 | 54.1 | M18x1.0 |
| MQL22081630 | 63 | 6/8 | 4.15 | 2.8 | 2.3 | 12 | 90.0 | 54.1 | M18x1.0 |
| MQL22100630 | 63 | 10 | 2.01 | 1.9 | 1.6 | 12 | 85.0 | 49.1 | M18x1.0 |
| MQL22101630 | 63 | 10 | 4.15 | 2.8 | 2.3 | 12 | 85.0 | 49.1 | M18x1.0 |
| MQL22140630 | 63 | 12/14 | 2.01 | 1.9 | 1.6 | 12 | 78.8 | 43.0 | M18x1.0 |
| MQL22141630 | 63 | 12/14 | 4.15 | 2.8 | 2.3 | 12 | 78.8 | 43.0 | M18x1.0 |
| MQL22142630 | 63 | 12/14 | 9.08 | 4.0 | 3.4 | 12 | 78.8 | 43.0 | M18x1.0 |
| MQL22180630 | 63 | 16-18 | 2.01 | 1.9 | 1.6 | 12 | 73.8 | 38.0 | M18x1.0 |
| MQL22181630 | 63 | 16-18 | 4.15 | 2.8 | 2.3 | 12 | 73.8 | 38.0 | M18x1.0 |
| MQL22182630 | 63 | 16-18 | 9.08 | 4.0 | 3.4 | 12 | 73.8 | 38.0 | M18x1.0 |

# MQL2 Channel Coolant Supply Set
## 微润滑双通道冷却导管

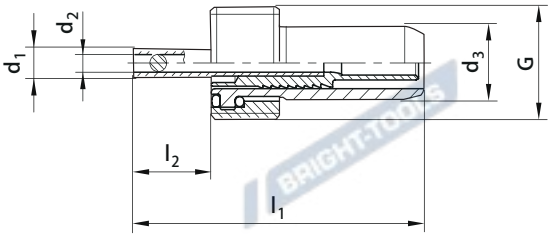





| Size | HSK-A | clamp | A | d1 | d2 | d3 | l1 | l2 | G |
|---|---|---|---|---|---|---|---|---|---|
| MQL22200630 | 63 | 20 | 4.15 | 2.8 | 2.3 | 12 | 70.0 | 34.2 | M18x1.0 |
| MQL22201630 | 63 | 20 | 9.08 | 4.0 | 3.4 | 12 | 70.0 | 34.2 | M18x1.0 |
| MQL22202630 | 63 | 20 | 16.62 | 5.3 | 4.6 | 12 | 70.0 | 34.2 | M18x1.0 |
| MQL21080630 | 63 | 6/8 | 2.01 | 1.9 | 1.6 | 12 | 130.0 | 94.1 | M18x1.0 |
| MQL21081630 | 63 | 6/8 | 4.15 | 2.8 | 2.3 | 12 | 130.0 | 94.1 | M18x1.0 |
| MQL21100630 | 63 | 10 | 2.01 | 1.9 | 1.6 | 12 | 125.0 | 89.1 | M18x1.0 |
| MQL21101630 | 63 | 10 | 4.15 | 2.8 | 2.3 | 12 | 125.0 | 89.1 | M18x1.0 |
| MQL21140630 | 63 | 12/14 | 2.01 | 1.9 | 1.6 | 12 | 118.8 | 83.0 | M18x1.0 |
| MQL21141630 | 63 | 12/14 | 4.15 | 2.8 | 2.3 | 12 | 118.8 | 83.0 | M18x1.0 |
| MQL21142630 | 63 | 12/14 | 9.08 | 4.0 | 3.4 | 12 | 118.8 | 83.0 | M18x1.0 |
| MQL21180630 | 63 | 16-18 | 2.01 | 1.9 | 1.6 | 12 | 113.8 | 78.0 | M18x1.0 |
| MQL21181630 | 63 | 16-18 | 4.15 | 2.8 | 2.3 | 12 | 113.8 | 78.0 | M18x1.0 |
| MQL21182630 | 63 | 16-18 | 9.08 | 4.0 | 3.4 | 12 | 113.8 | 78.0 | M18x1.0 |
| MQL21200630 | 63 | 20 | 4.15 | 2.8 | 2.3 | 12 | 110.0 | 74.2 | M18x1.0 |
| MQL21201630 | 63 | 20 | 9.08 | 4.0 | 3.4 | 12 | 110.0 | 74.2 | M18x1.0 |
| MQL21202630 | 63 | 20 | 16.62 | 5.3 | 4.6 | 12 | 110.0 | 74.2 | M18x1.0 |
| | | | | | | | | | |
| MQL21250630 | 63 | 25 | 4.15 | 2.8 | 2.3 | 12 | 99.1 | 63.3 | M18x1.0 |
| MQL21251630 | 63 | 25 | 9.08 | 4 | 3.4 | 12 | 99.1 | 63.3 | M18x1.0 |
| MQL21252630 | 63 | 25 | 16.62 | 5.3 | 4.6 | 12 | 99.1 | 63.3 | M18x1.0 |
| MQL21320630 | 63 | 32 | 4.15 | 2.8 | 2.3 | 12 | 94.1 | 58.3 | M18x1.0 |
| MQL21321630 | 63 | 32 | 9.08 | 4.0 | 3.4 | 12 | 94.1 | 58.3 | M18x1.0 |
| MQL21322630 | 63 | 32 | 16.62 | 5.3 | 4.6 | 12 | 94.1 | 58.3 | M18x1.0 |
| MQL20100800 | 80 | 6/10 | 2.01 | 1.9 | 1.6 | 14 | 54.2 | 14.6 | M20x1.5 |
| MQL20101800 | 80 | 6/10 | 4.15 | 2.8 | 2.3 | 14 | 54.2 | 14.6 | M20x1.5 |
| MQL20180800 | 80 | 12 -18 | 2.01 | 1.9 | 1.6 | 14 | 53.1 | 13.5 | M20x1.5 |
| MQL20320800 | 80 | 12 -32 | 4.15 | 2.8 | 2.3 | 14 | 53.1 | 13.5 | M20x1.5 |
| MQL20321800 | 80 | 12 -32 | 9.08 | 4.0 | 3.4 | 14 | 53.1 | 13.5 | M20x1.5 |
| MQL20322800 | 80 | 20-32 | 16.62 | 5.3 | 4.6 | 14 | 53.6 | 14.0 | M20x1.5 |

# MQL2 Channel Coolant Supply Set
## 微润滑双通道冷却导管






| Size | HSK-A | clamp | A | d1 | d2 | d3 | l1 | l2 | G |
|---|---|---|---|---|---|---|---|---|---|
| MQL20101000 | 100 | 6/10 | 2.01 | 1.9 | 1.6 | 14 | 56.2 | 12.6 | M24x1.5 |
| MQL20101010 | 100 | 6/10 | 4.15 | 2.8 | 2.3 | 14 | 56.2 | 12.6 | M24x1.5 |
| MQL20181000 | 100 | 12/18 | 2.01 | 1.9 | 1.6 | 14 | 55.1 | 11.5 | M24x1.5 |
| MQL20321000 | 100 | 12/32 | 4.15 | 2.8 | 2.3 | 14 | 55.1 | 11.5 | M24x1.5 |
| MQL20321010 | 100 | 12/32 | 9.08 | 4.0 | 3.4 | 14 | 55.1 | 11.5 | M24x1.5 |
| MQL20321020 | 100 | 20-32 | 16.62 | 5.3 | 4.6 | 14 | 55.6 | 12.0 | M24x1.5 |
| MQL21081000 | 100 | 6/8 | 2.01 | 1.9 | 1.6 | 12 | 131.2 | 87.6 | M24x1.5 |
| MQL21081010 | 100 | 6/8 | 4.15 | 2.8 | 2.3 | 12 | 131.2 | 87.6 | M24x1.5 |
| MQL21101000 | 100 | 10 | 2.01 | 1.9 | 1.6 | 12 | 126.2 | 82.6 | M24x1.5 |
| MQL21101010 | 100 | 10 | 4.15 | 2.8 | 2.3 | 12 | 126.2 | 82.6 | M24x1.5 |
| MQL21141000 | 100 | 12/14 | 2.01 | 1.9 | 1.6 | 12 | 120.1 | 76.5 | M24x1.5 |
| MQL21141010 | 100 | 12/14 | 4.15 | 2.8 | 2.3 | 12 | 120.1 | 76.5 | M24x1.5 |
| MQL21141020 | 100 | 12/14 | 9.08 | 4.0 | 3.4 | 12 | 120.1 | 76.5 | M24x1.5 |
| MQL21181000 | 100 | 16-18 | 2.01 | 1.9 | 1.6 | 12 | 115.1 | 71.5 | M24x1.5 |
| MQL21181010 | 100 | 16-18 | 4.15 | 2.8 | 2.3 | 12 | 115.1 | 71.5 | M24x1.5 |
| MQL21181020 | 100 | 16-18 | 9.08 | 4.0 | 3.4 | 12 | 115.1 | 71.5 | M24x1.5 |
| MQL21201000 | 100 | 20 | 4.15 | 2.8 | 2.3 | 12 | 110.6 | 67.0 | M24x1.5 |
| MQL21201010 | 100 | 20 | 9.08 | 4.0 | 3.4 | 12 | 110.6 | 67.0 | M24x1.5 |
| MQL21201020 | 100 | 20 | 16.62 | 5.3 | 4.6 | 12 | 110.6 | 67.0 | M24x1.5 |
| MQL21251000 | 100 | 25 | 4.15 | 2.8 | 2.3 | 12 | 100.6 | 57.0 | M24x1.5 |
| MQL21251010 | 100 | 25 | 9.08 | 4.0 | 3.4 | 12 | 100.6 | 57.0 | M24x1.5 |
| MQL21251020 | 100 | 25 | 16.62 | 5.3 | 4.6 | 12 | 100.6 | 57.0 | M24x1.5 |
| MQL21321000 | 100 | 32 | 4.15 | 2.8 | 2.3 | 12 | 95.6 | 52.0 | M24x1.5 |
| MQL21321010 | 100 | 32 | 9.08 | 4.0 | 3.4 | 12 | 95.6 | 52.0 | M24x1.5 |
| MQL21321020 | 100 | 32 | 16.62 | 5.3 | 4.6 | 12 | 95.6 | 52.0 | M24x1.5 |

BRIGHT-TOOLS

TOOL HOLDERS

# MODULAR SHRINK

# Shrink Chuck Taper
## 分体热缩本体，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



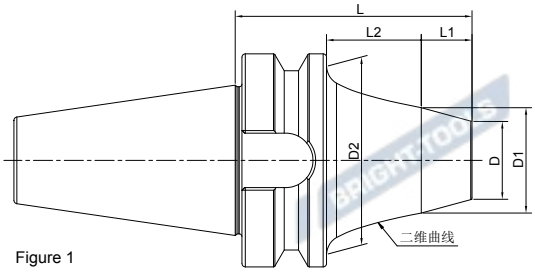



Figure 1



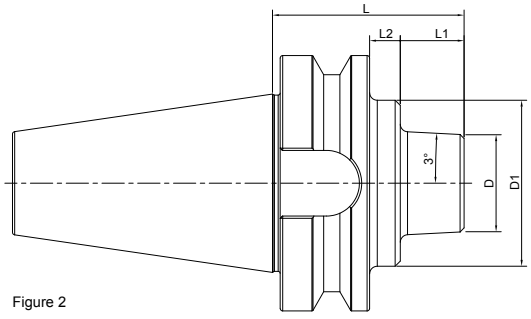



Figure 2

| Size | D | D1 | D2 | L | L1 | L2 | Figure |
|---|---|---|---|---|---|---|---|
| BT30-TSF06-35 | 19 | - | 34 | 35 | 13 | - | 1 |
| BT30-TSF08-35 | 23 | - | 34 | 35 | 13 | - | 1 |
| BT30-TSF12-35 | 38 | - | - | 35 | 13 | - | 2 |
| | | | | | | | |
| BT40-TSF08-40 | 23 | - | 53 | 40 | 13 | - | 1 |
| BT40-TSF12-45 | 38 | - | - | 45 | 18 | - | 2 |
| BT40-TSF12-75 | 38 | - | - | 75 | 48 | - | 2 |
| BT40-TSF12-135 | 41 | - | - | 135 | 108 | - | 2 |
| | | | | | | | |
| BT50-TSF12-75 | 38 | 65 | - | 75 | 25 | 12 | 2 |
| BT50-TSF12-105 | 41 | 66 | - | 105 | 55 | 12 | 2 |
| BT50-TSF12-135 | 41 | 67 | - | 135 | 85 | 12 | 2 |

# Shrink Chuck Taper
# 分体热缩本体，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





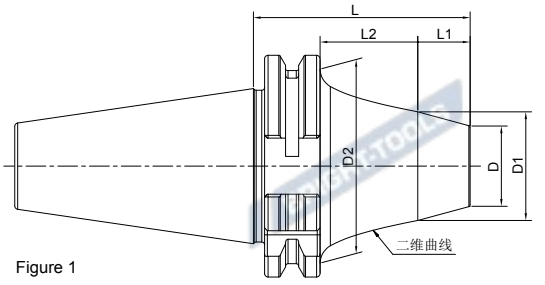



Figure 1

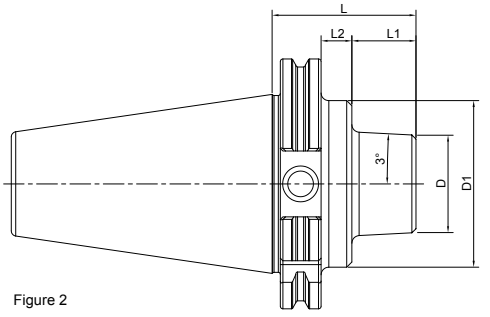



Figure 2

| Size | D | D1 | D2 | L | L1 | L2 | Figure |
|---|---|---|---|---|---|---|---|
| SK30-TSF06-35 | 19 | - | 34 | 35 | 15.9 | - | 1 |
| SK30-TSF08-35 | 23 | 27.5 | 34 | 35 | 15.9 | - | 1 |
| SK30-TSF12-35 | 38 | - | - | 35 | 15.9 | - | 2 |
| | | | | | | | |
| SK40-TSF08-40 | 23 | 31.2 | 50 | 40 | 20.9 | - | 1 |
| SK40-TSF12-45 | 38 | - | - | 45 | 25.9 | - | 2 |
| SK40-TSF12-75 | 38 | - | - | 75 | 55.9 | - | 2 |
| | | | | | | | |
| SK50-TSF12-75 | 38 | 65 | - | 75 | 43.9 | 12 | 2 |
| SK50-TSF12-105 | 38 | 65 | - | 105 | - | 12 | 2 |
| SK50-TSF12-135 | 38 | 65 | - | 135 | - | 12 | 2 |

# Shrink Chuck Taper
# 分体热缩本体，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



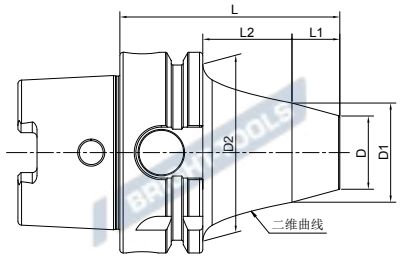


Figure 1



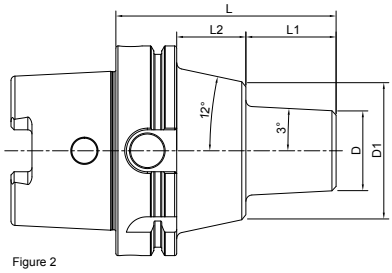


Figure 2

| Size | D | D1 | D2 | L | L1 | L2 | Figure |
|---|---|---|---|---|---|---|---|
| HSK50A-TSF06-55 | 19 | 24.6 | 42 | 55 | 7 | 22 | 1 |
| HSK50A-TSF08-55 | 23 | 28.1 | 42 | 55 | 7 | 22 | 1 |
| HSK50A-TSF12-75 | 38 | - | - | 75 | 49 | - | 2 |
| | | | | | | | |
| HSK63A-TSF08-55 | 23 | 29.5 | 53 | 55 | 7 | 22 | 1 |
| HSK63A-TSF12-75 | 38 | - | - | 75 | 49 | - | 2 |
| HSK63A-TSF12-135 | 38 | - | - | 135 | 109 | - | 2 |
| | | | | | | | |
| HSK100A-TSF12-105 | 38 | 65 | - | 105 | 43 | 33 | 2 |

## Shrink Chuck Taper
## 分体热缩本体，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





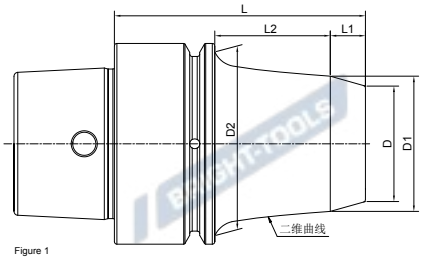


Figure 1

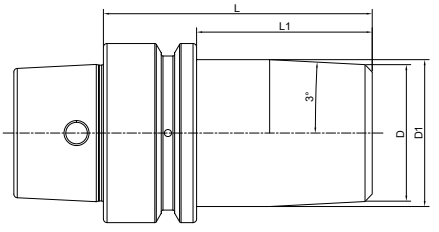


Figure 2

| Size | D | D1 | D2 | L | L1 | L2 | Figure |
|---|---|---|---|---|---|---|---|
| HSK32E-TSF06-50 | 19 | 26 | - | 50 | 7 | 23 | 1 |
| HSK40E-TSF06-50 | 19 | 23.5 | 34 | 50 | 7 | 23 | 1 |
| HSK40E-TSF08-50 | 23 | 27 | 34 | 50 | 7 | 23 | 1 |
| HSK50E-TSF06-55 | 19 | 24.6 | 42 | 55 | 7 | 22 | 1 |
| HSK50E-TSF08-55 | 23 | 28.1 | 42 | 55 | 7 | 22 | 1 |
| HSK50E-TSF12-75 | 38 | - | - | 75 | 49 | - | 2 |

## Shrink Chuck Taper
## 分体热缩本体，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



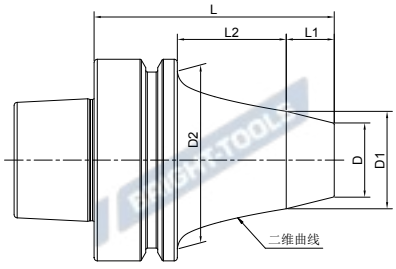


Figure 1



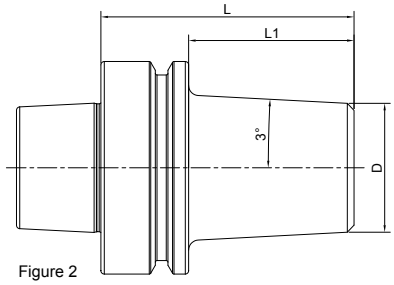


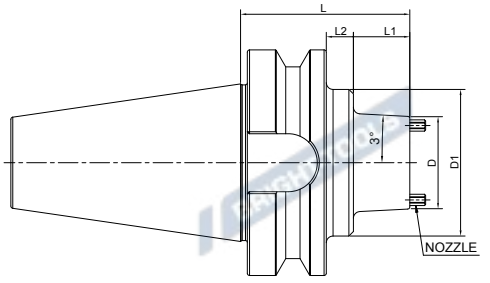
Figure 2

| Size | D | D1 | D2 | L | L1 | L2 | Figure |
|---|---|---|---|---|---|---|---|
| HSK63F-TSF08-55 | 23 | 29.5 | 53 | 55 | 7 | 22 | 1 |
| HSK63F-TSF12-75 | 38 | - | - | 75 | 49 | - | 2 |

## Shrink Chuck Taper, Coolant
## 分体热缩本体，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





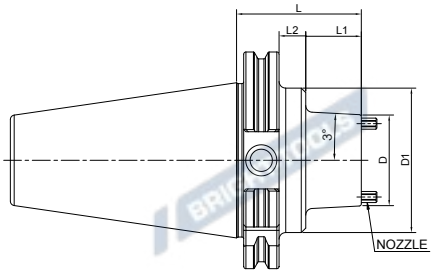

| Size | D | D1 | L | L1 | L2 |
|---|---|---|---|---|---|
| BT40-TSF12-45K | 41 | - | 45 | 18 | - |
| BT40-TSF12-75K | 41 | - | 75 | 48 | - |
| BT40-TSF12-135K | 41 | - | 135 | 108 | - |
| BT50-TSF12-75K | 41 | 65 | 75 | 25 | 12 |
| BT50-TSF12-105K | 41 | 65 | 105 | 55 | 12 |
| BT50-TSF12-135K | 41 | 65 | 135 | 85 | 12 |

Tool Holder DIN 69871

## Shrink Chuck Taper, Coolant
## 分体热缩本体，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



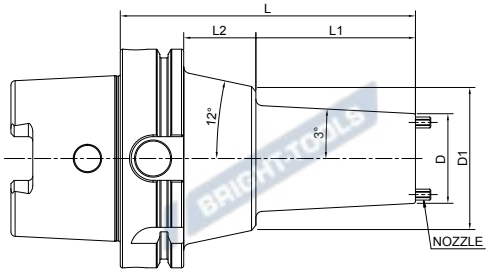



| Size | D | D1 | L | L1 | L2 |
|---|---|---|---|---|---|
| SK40-TSF12-45K | 41 | - | 45 | 25.9 | - |
| SK40-TSF12-75K | 41 | - | 75 | 55.9 | - |
| SK40-TSF12-135K | 41 | 44 | 135 | 28.6 | 87.3 |
| SK50-TSF12-75K | 41 | 65 | 75 | 43.9 | 12 |
| SK50-TSF12-105K | 41 | 65 | 105 | 73.9 | 12 |
| SK50-TSF12-135K | 41 | 65 | 135 | 103.9 | 12 |

## Shrink Chuck Taper, Coolant
## 分体热缩本体，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |

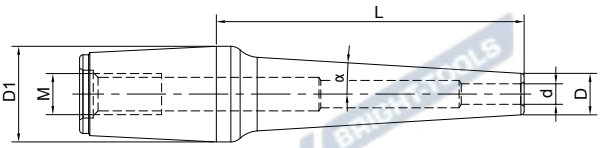





| Size | D | D1 | L | L1 | L2 |
|---|---|---|---|---|---|
| HSK63A-TSF12-75K | 41 | - | 75 | 49 | - |
| HSK63A-TSF12-135K | 41 | - | 135 | 109 | - |
| | | | | | |
| HSK100A-TSF12-105K | 41 | 65 | 105 | 43 | 33 |
| HSK100A-TSF12-135K | 41 | 65 | 135 | 73 | 33 |

# Shrink Chuck Extension, Slim
# 分体热缩延长杆，细长型

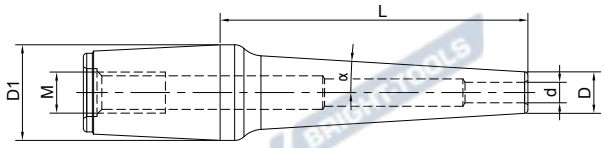





| Size | d | D | D1 | L | M | α |
|---|---|---|---|---|---|---|
| 12-SF3-35S | 03 | 6 | 26 | 35 | M10 | 3 |
| 12-SF3-55S | 03 | 6 | 26 | 55 | M10 | 3 |
| 12-SF3-80S | 03 | 6 | 26 | 80 | M10 | 3 |
| 12-SF3-110S | 03 | 6 | 26 | 110 | M10 | 3 |
| | | | | | | |
| 12-SF4-35S | 04 | 7 | 26 | 35 | M10 | 3 |
| 12-SF4-55S | 04 | 7 | 26 | 55 | M10 | 3 |
| 12-SF4-80S | 04 | 7 | 26 | 80 | M10 | 3 |
| 12-SF4-110S | 04 | 7 | 26 | 110 | M10 | 3 |
| | | | | | | |
| 12-SF5-35S | 05 | 8 | 26 | 35 | M10 | 3 |
| 12-SF5-55S | 05 | 8 | 26 | 55 | M10 | 3 |
| 12-SF5-80S | 05 | 8 | 26 | 80 | M10 | 3 |
| 12-SF5-110S | 05 | 8 | 26 | 110 | M10 | 3 |
| | | | | | | |
| 12-SF6-35S | 06 | 9 | 26 | 35 | M10 | 3 |
| 12-SF6-55S | 06 | 9 | 26 | 55 | M10 | 3 |
| 12-SF6-80S | 06 | 9 | 26 | 80 | M10 | 3 |
| 12-SF6-110S | 06 | 9 | 26 | 110 | M10 | 3 |
| | | | | | | |
| 12-SF7-35S | 07 | 10 | 26 | 35 | M10 | 3 |
| 12-SF7-55S | 07 | 10 | 26 | 55 | M10 | 3 |
| 12-SF7-80S | 07 | 10 | 26 | 80 | M10 | 3 |
| 12-SF7-110S | 07 | 10 | 26 | 110 | M10 | 3 |
| | | | | | | |
| 12-SF8-35S | 08 | 11 | 26 | 35 | M10 | 3 |
| 12-SF8-55S | 08 | 11 | 26 | 55 | M10 | 3 |
| 12-SF8-80S | 08 | 11 | 26 | 80 | M10 | 3 |
| 12-SF8-110S | 08 | 11 | 26 | 110 | M10 | 3 |

# Shrink Chuck Extension, Slim
# 分体热缩延长杆，细长型





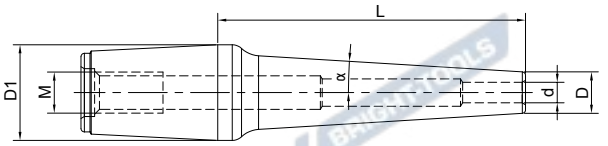

| Size | d | D | D1 | L | M | α |
|---|---|---|---|---|---|---|
| 12-SF9-35S | 09 | 12 | 26 | 35 | M10 | 3 |
| 12-SF9-55S | 09 | 12 | 26 | 55 | M10 | 3 |
| 12-SF9-80S | 09 | 12 | 26 | 80 | M10 | 3 |
| 12-SF9-110S | 09 | 12 | 26 | 110 | M10 | 3 |
| | | | | | | |
| 12-SF10-35S | 10 | 13 | 26 | 35 | M10 | 3 |
| 12-SF10-55S | 10 | 13 | 26 | 55 | M10 | 3 |
| 12-SF10-80S | 10 | 13 | 26 | 80 | M10 | 3 |
| 12-SF10-110S | 10 | 13 | 26 | 110 | M10 | 3 |
| 12-SF11-35S | 11 | 14 | 26 | 35 | M10 | 3 |
| 12-SF11-55S | 11 | 14 | 26 | 55 | M10 | 3 |
| 12-SF11-80S | 11 | 14 | 26 | 80 | M10 | 3 |
| 12-SF11-110S | 11 | 14 | 26 | 110 | M10 | 3 |
| | | | | | | |
| 12-SF12-35S | 12 | 15 | 26 | 35 | M10 | 3 |
| 12-SF12-55S | 12 | 15 | 26 | 55 | M10 | 3 |
| 12-SF12-80S | 12 | 15 | 26 | 80 | M10 | 3 |
| 12-SF12-110S | 12 | 15 | 26 | 110 | M10 | 3 |

Inch

| Size | d | D | D1 | L | M | α |
|---|---|---|---|---|---|---|
| 12-SF1/8"-35S | 1/8" | 6.175 | 26 | 35 | M10 | 3 |
| 12-SF1/8"-55S | 1/8" | 6.175 | 26 | 55 | M10 | 3 |
| 12-SF1/8"-80S | 1/8" | 6.175 | 26 | 80 | M10 | 3 |
| 12-SF1/8"-110S | 1/8" | 6.175 | 26 | 110 | M10 | 3 |

# Shrink Chuck Extension, Standard
# 分体热缩延长杆 , 标准型

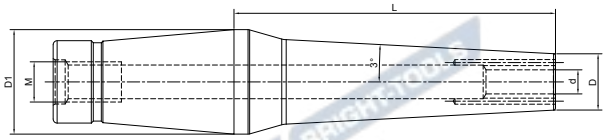





| Size | d | D | D1 | L | M | α |
|---|---|---|---|---|---|---|
| 12-SF3-35 | 03 | 7.5 | 26 | 35 | M10 | 3 |
| 12-SF3-55 | 03 | 7.5 | 26 | 55 | M10 | 3 |
| 12-SF3-80 | 03 | 7.5 | 26 | 80 | M10 | 3 |
| 12-SF4-35 | 04 | 10 | 26 | 35 | M10 | 3 |
| 12-SF4-55 | 04 | 10 | 26 | 55 | M10 | 3 |
| 12-SF4-80 | 04 | 10 | 26 | 80 | M10 | 3 |
| 12-SF6-35 | 06 | 12 | 26 | 35 | M10 | 3 |
| 12-SF6-55 | 06 | 12 | 26 | 55 | M10 | 3 |
| 12-SF6-80 | 06 | 12 | 26 | 80 | M10 | 3 |
| 12-SF8-35 | 08 | 14 | 26 | 35 | M10 | 3 |
| 12-SF8-55 | 08 | 14 | 26 | 55 | M10 | 3 |
| 12-SF8-80 | 08 | 14 | 26 | 80 | M10 | 3 |
| 12-SF10-35 | 10 | 16 | 26 | 35 | M10 | 3 |
| 12-SF10-55 | 10 | 16 | 26 | 55 | M10 | 3 |
| 12-SF10-80 | 10 | 16 | 26 | 80 | M10 | 3 |
| 12-SF12-35 | 12 | 20 | 26 | 35 | M10 | 3 |
| 12-SF12-55 | 12 | 20 | 26 | 55 | M10 | 3 |
| 12-SF12-80 | 12 | 20 | 26 | 80 | M10 | 3 |

# Shrink Chuck Extension, Coolant
# 分体热缩延长杆，端面出水型






| Size | d | D | D1 | L | M |
|---|---|---|---|---|---|
| 12-SF3-35K | 03 | 9.5 | 26 | 35 | M10 |
| 12-SF3-55K | 03 | 9.5 | 26 | 55 | M10 |
| 12-SF3-80K | 03 | 9.5 | 26 | 80 | M10 |
| 12-SF4-35K | 04 | 12 | 26 | 35 | M10 |
| 12-SF4-55K | 04 | 12 | 26 | 55 | M10 |
| 12-SF4-80K | 04 | 12 | 26 | 80 | M10 |
| 12-SF6-35K | 06 | 14 | 26 | 35 | M10 |
| 12-SF6-55K | 06 | 14 | 26 | 55 | M10 |
| 12-SF6-80K | 06 | 14 | 26 | 80 | M10 |
| 12-SF8-35K | 08 | 16 | 26 | 35 | M10 |
| 12-SF8-55K | 08 | 16 | 26 | 55 | M10 |
| 12-SF8-80K | 08 | 16 | 26 | 80 | M10 |
| 12-SF10-35K | 10 | 18 | 26 | 35 | M10 |
| 12-SF10-55K | 10 | 18 | 26 | 55 | M10 |
| 12-SF10-80K | 10 | 18 | 26 | 80 | M10 |
| 12-SF12-35K | 12 | 20 | 26 | 35 | M10 |
| 12-SF12-55K | 12 | 20 | 26 | 55 | M10 |
| 12-SF12-80K | 12 | 20 | 26 | 80 | M10 |

# Shrink Chuck Set
# 热缩刀柄套装

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



| Size | Tool Holder Size | Extension Size | Extension Quantity |
|---|---|---|---|
| BT40-TSF08-40-4 pcs | BT40-TSF08-40 | 8-SF3/4/6/8-45S | 4 |
| BT40-TSF08-70-4 pcs | BT40-TSF08-70 | 8-SF3/4/6/8-45S | 4 |
| BT40-TSF12-45-6 pcs | BT40-TSF12-45 | 12-SF3/4/6/8/10/12-80S | 6 |
| BT40-TSF12-75-6 pcs | BT40-TSF12-75 | 12-SF3/4/6/8/10/12-80S | 6 |
| | | | |
| SK40-TSF08-40-4 pcs | SK40-TSF08-40 | 8-SF3/4/6/8-45S | 4 |
| SK40-TSF08-70-4 pcs | SK40-TSF08-70 | 8-SF3/4/6/8-45S | 4 |
| SK40-TSF12-45-6 pcs | SK40-TSF12-45 | 12-SF3/4/6/8/10/12-80S | 6 |
| SK40-TSF12-75-6 pcs | SK40-TSF12-75 | 12-SF3/4/6/8/10/12-80S | 6 |
| | | | |
| HSK63A-TSF08-55-4 pcs | HSK63A-TSF08-55 | 8-SF3/4/6/8-45S | 4 |
| HSK63A-TSF08-75-4 pcs | HSK63A-TSF08-75 | 8-SF3/4/6/8-45S | 4 |
| HSK63A-TSF12-75-6 pcs | HSK63A-TSF12-75 | 12-SF3/4/6/8/10/12-80S | 6 |
| | | | |
| HSK63F-TSF08-55-4 pcs | HSK63F-TSF08-55 | 8-SF3/4/6/8-45S | 4 |
| HSK63F-TSF08-75-4 pcs | HSK63F-TSF08-75 | 8-SF3/4/6/8-45S | 4 |
| HSK63F-TSF12-75-6 pcs | HSK63F-TSF12-75 | 12-SF3/4/6/8/10/12-80S | 6 |

BRIGHT-TOOLS

TOOL HOLDERS

# STAINLESS SHRINK

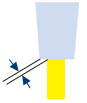
BRIGHT-TOOLS

# BT40 - SFSA 04 - 95 - M42

Taper Size
锥柄端型号

- BT30
- BT40
- BT50
- HSK40A
- HSK50A
- HSK63A
- HSK100A
- HSK25E
- HSK32E
- HSK40E
- HSK50E
- HSK63F

Wall-Thickness
壁厚类型



Hole Diameter
孔径大小



| Wall-Thickness | Hole Diameter |
|---|---|
| SFSA | 1.5 |
| SFSB | 2-4.5 |
| SFRA | 2.25-6 |
| SFRB | 4-11 |
| SFFB | 4-10 |

L

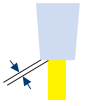
Effective Machining Length
加工有效长度

# BT40 - SFSA 04 - 90 CV

Taper Size
锥柄端型号

- BT30
- BT40
- BT50
- HSK63A
- HSK100A
- HSK32E
- HSK40E
- HSK50E
- HSK63F

Wall-Thickness
壁厚类型



Hole Diameter
孔径大小



| Wall-Thickness | Hole Diameter |
|---|---|
| SFSA | 1.5 |
| SFSB | 2.5-3 |
| SFRA | 3-5 |
| SFFA | 3.5-5 |

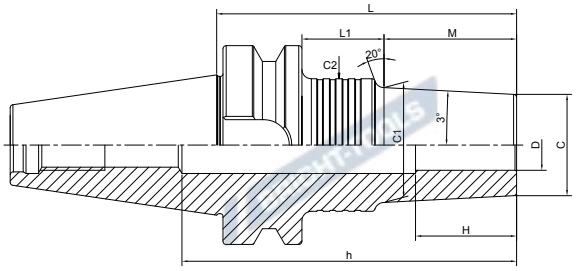
L

Curve
曲线型

## Shrink Chuck, 3°, Slim, Form A
## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



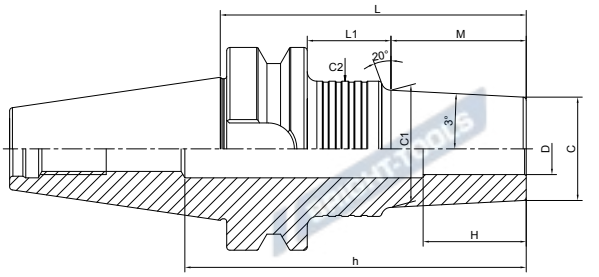



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT30-SFSA03-60-M22 | 03 | 6 | 60 | 22 | 16 | 8.3 | 20 | 9 | 80 |
| BT30-SFSA03-75-M22 | 03 | 6 | 75 | 22 | 31 | 8.3 | 25 | 9 | 99 |
| BT30-SFSA03-95-M42 | 03 | 6 | 95 | 42 | 31 | 10.4 | 25 | 9 | 119 |
| BT30-SFSA03-120-M67 | 03 | 6 | 120 | 67 | 31 | 13 | 25 | 9 | 144 |
| | | | | | | | | | |
| BT30-SFSA04-75-M22 | 04 | 7 | 75 | 22 | 31 | 9.3 | 25 | 12 | 99 |
| BT30-SFSA04-95-M42 | 04 | 7 | 95 | 42 | 31 | 11.4 | 25 | 12 | 119 |
| BT30-SFSA04-120-M67 | 04 | 7 | 120 | 67 | 31 | 14 | 25 | 12 | 144 |
| | | | | | | | | | |
| BT30-SFSA06-75-M22 | 06 | 9 | 75 | 22 | 31 | 11.3 | 25 | 18 | 99 |
| BT30-SFSA06-95-M42 | 06 | 9 | 95 | 42 | 31 | 13.4 | 25 | 18 | 119 |
| BT30-SFSA06-120-M67 | 06 | 9 | 120 | 67 | 31 | 16 | 25 | 18 | 144 |
| | | | | | | | | | |
| BT30-SFSA1/8"-75-M22 | 1/8" | 6.175 | 75 | 22 | 31 | 8.5 | 25 | 9 | 99 |
| BT30-SFSA1/8"-95-M42 | 1/8" | 6.175 | 95 | 42 | 31 | 10.6 | 25 | 9 | 119 |

## Shrink Chuck, 3°, Slim, Form A
## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



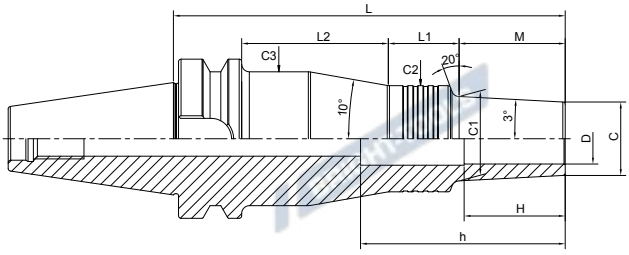



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT40-SFSA03-95-M42 | 03 | 6 | 95 | 42 | 26 | 10.4 | 25 | 9 | 130 |
| BT40-SFSA03-120-M67 | 03 | 6 | 120 | 67 | 26 | 13 | 25 | 9 | 155 |
| BT40-SFSA03-125-M42 | 03 | 6 | 125 | 42 | 56 | 10.4 | 25 | 9 | 160 |
| BT40-SFSA03-150-M67 | 03 | 6 | 150 | 67 | 56 | 13 | 25 | 9 | 185 |
| BT40-SFSA03-150-M97 | 03 | 6 | 150 | 97 | 26 | 16.2 | 25 | 9 | 185 |
| BT40-SFSA03-180-M97 | 03 | 6 | 180 | 97 | 56 | 16.2 | 26 | 9 | 215 |
| | | | | | | | | | |
| BT40-SFSA04-95-M42 | 04 | 7 | 95 | 42 | 26 | 11.4 | 25 | 12 | 130 |
| BT40-SFSA04-120-M67 | 04 | 7 | 120 | 67 | 26 | 14 | 25 | 12 | 155 |
| BT40-SFSA04-125-M42 | 04 | 7 | 125 | 42 | 56 | 11.4 | 25 | 12 | 160 |
| BT40-SFSA04-150-M67 | 04 | 7 | 150 | 67 | 56 | 14 | 25 | 12 | 185 |
| BT40-SFSA04-150-M97 | 04 | 7 | 150 | 97 | 26 | 17.2 | 25 | 12 | 185 |
| BT40-SFSA04-180-M97 | 04 | 7 | 180 | 97 | 56 | 17.2 | 25 | 12 | 215 |
| | | | | | | | | | |
| BT40-SFSA06-95-M42 | 06 | 9 | 95 | 42 | 26 | 13.4 | 25 | 18 | 130 |
| BT40-SFSA06-120-M67 | 06 | 9 | 120 | 67 | 26 | 16 | 26 | 18 | 155 |
| BT40-SFSA06-125-M42 | 06 | 9 | 125 | 42 | 56 | 13.4 | 25 | 18 | 160 |
| BT40-SFSA06-150-M67 | 06 | 9 | 150 | 67 | 56 | 16 | 25 | 18 | 185 |
| BT40-SFSA06-150-M97 | 06 | 9 | 150 | 97 | 26 | 19.2 | 32 | 18 | 185 |
| BT40-SFSA06-180-M97 | 06 | 9 | 180 | 97 | 56 | 19.2 | 32 | 18 | 215 |
| | | | | | | | | | |
| BT40-SFSA08-95-M42 | 08 | 11 | 95 | 42 | 26 | 15.4 | 25 | 24 | 130 |
| BT40-SFSA08-120-M67 | 08 | 11 | 120 | 67 | 26 | 18 | 32 | 24 | 155 |
| BT40-SFSA08-125-M42 | 08 | 11 | 125 | 42 | 56 | 15.4 | 36 | 24 | 160 |
| BT40-SFSA08-150-M67 | 08 | 11 | 150 | 67 | 56 | 18 | 32 | 24 | 185 |
| BT40-SFSA08-150-M97 | 08 | 11 | 150 | 97 | 26 | 21.2 | 32 | 24 | 185 |
| BT40-SFSA08-180-M97 | 08 | 11 | 180 | 97 | 56 | 21.2 | 32 | 24 | 215 |
| | | | | | | | | | |
| BT40-SFSA10-95-M42 | 10 | 13 | 95 | 42 | 26 | 17.4 | 25 | 30 | 130 |
| BT40-SFSA10-120-M67 | 10 | 13 | 120 | 67 | 26 | 20 | 32 | 30 | 155 |
| BT40-SFSA10-125-M42 | 10 | 13 | 125 | 42 | 56 | 17.4 | 25 | 30 | 160 |
| BT40-SFSA10-150-M67 | 10 | 13 | 150 | 67 | 56 | 20 | 32 | 30 | 185 |
| BT40-SFSA10-150-M97 | 10 | 13 | 150 | 97 | 26 | 23.2 | 32 | 30 | 185 |
| BT40-SFSA10-180-M97 | 10 | 13 | 180 | 97 | 56 | 23.2 | 36 | 30 | 215 |

## Shrink Chuck, 3°, Slim, Form A
## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



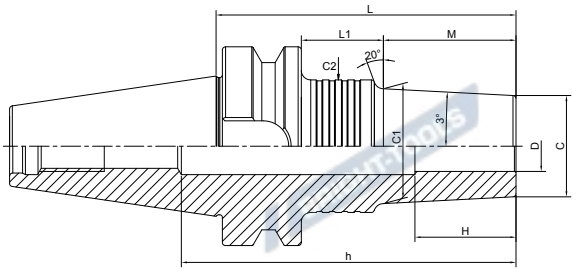



| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BT40-SFSA03-155-M42 | 03 | 6 | 155 | 42 | 33 | 53 | 10.4 | 26 | 40 | 9 | 190 |
| BT40-SFSA03-180-M67 | 03 | 6 | 180 | 67 | 33 | 53 | 13 | 26 | 40 | 9 | 215 |
| BT40-SFSA03-210-M97 | 03 | 6 | 210 | 97 | 33 | 53 | 16.2 | 25 | 39 | 9 | 245 |
| BT40-SFSA04-155-M42 | 04 | 7 | 155 | 42 | 33 | 53 | 11.4 | 25 | 39 | 12 | 190 |
| BT40-SFSA04-180-M67 | 04 | 7 | 180 | 67 | 33 | 53 | 14 | 25 | 39 | 12 | 215 |
| BT40-SFSA04-210-M97 | 04 | 7 | 210 | 97 | 33 | 53 | 17.2 | 25 | 39 | 12 | 245 |
| BT40-SFSA06-155-M42 | 06 | 9 | 155 | 42 | 33 | 53 | 13.4 | 25 | 39 | 18 | 190 |
| BT40-SFSA06-180-M67 | 06 | 9 | 180 | 67 | 33 | 53 | 16 | 25 | 39 | 18 | 215 |
| BT40-SFSA06-210-M97 | 06 | 9 | 210 | 97 | 30 | 56 | 19.2 | 32 | 46 | 18 | 245 |
| BT40-SFSA08-155-M42 | 08 | 11 | 155 | 42 | 33 | 53 | 15.4 | 25 | 39 | 24 | 190 |
| BT40-SFSA08-180-M67 | 08 | 11 | 180 | 67 | 30 | 56 | 18 | 32 | 46 | 24 | 215 |
| BT40-SFSA08-210-M97 | 08 | 11 | 210 | 97 | 28 | 58 | 21.2 | 36 | 50 | 24 | 245 |
| BT40-SFSA10-155-M42 | 10 | 13 | 155 | 42 | 30 | 53 | 17.4 | 25 | 39 | 30 | 190 |
| BT40-SFSA10-180-M67 | 10 | 13 | 180 | 67 | 28 | 58 | 20 | 36 | 50 | 30 | 215 |
| BT40-SFSA10-210-M97 | 10 | 13 | 210 | 97 | 30 | 56 | 23.2 | 32 | 46 | 30 | 245 |
| BT40-SFSA12-155-M42 | 12 | 15 | 155 | 42 | 30 | 56 | 19.4 | 32 | 46 | 30 | 190 |
| BT40-SFSA12-180-M67 | 12 | 15 | 180 | 67 | 56 | 56 | 22 | 32 | 46 | 30 | 215 |
| BT40-SFSA12-210-M97 | 12 | 15 | 210 | 97 | 30 | 56 | 25.2 | 32 | 46 | 30 | 245 |

## Shrink Chuck, 3°, Slim, Form A
## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



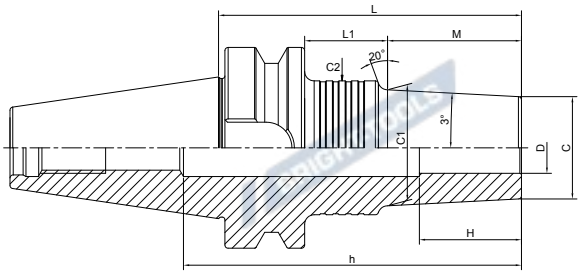



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT50-SFSA03-110-M42 | 03 | 6 | 110 | 42 | 30 | 10.4 | 26 | 9 | 165 |
| BT50-SFSA03-135-M67 | 03 | 6 | 135 | 67 | 30 | 13 | 26 | 9 | 190 |
| BT50-SFSA03-140-M42 | 03 | 6 | 140 | 42 | 60 | 10.4 | 25 | 9 | 195 |
| BT50-SFSA03-165-M67 | 03 | 6 | 165 | 67 | 60 | 13 | 25 | 9 | 220 |
| BT50-SFSA03-165-M97 | 03 | 6 | 165 | 97 | 30 | 16.2 | 26 | 9 | 220 |
| BT50-SFSA03-195-M97 | 03 | 6 | 195 | 97 | 60 | 16.2 | 26 | 9 | 250 |
| | | | | | | | | | |
| BT50-SFSA04-110-M42 | 04 | 7 | 110 | 42 | 30 | 11.4 | 25 | 12 | 165 |
| BT50-SFSA04-135-M67 | 04 | 7 | 135 | 67 | 30 | 14 | 25 | 12 | 190 |
| BT50-SFSA04-140-M42 | 04 | 7 | 140 | 42 | 60 | 11.4 | 25 | 12 | 195 |
| BT50-SFSA04-165-M67 | 04 | 7 | 165 | 67 | 60 | 14 | 25 | 12 | 220 |
| BT50-SFSA04-165-M97 | 04 | 7 | 165 | 97 | 30 | 17.2 | 25 | 12 | 220 |
| BT50-SFSA04-195-M97 | 04 | 7 | 195 | 97 | 60 | 17.2 | 25 | 12 | 250 |
| | | | | | | | | | |
| BT50-SFSA06-110-M42 | 06 | 9 | 110 | 42 | 30 | 13.4 | 25 | 18 | 165 |
| BT50-SFSA06-135-M67 | 06 | 9 | 135 | 67 | 30 | 16 | 25 | 18 | 190 |
| BT50-SFSA06-140-M42 | 06 | 9 | 140 | 42 | 60 | 13.4 | 25 | 18 | 195 |
| BT50-SFSA06-165-M67 | 06 | 9 | 165 | 67 | 60 | 16 | 25 | 18 | 220 |
| BT50-SFSA06-165-M97 | 06 | 9 | 165 | 97 | 30 | 19.2 | 32 | 18 | 220 |
| BT50-SFSA06-195-M97 | 06 | 9 | 195 | 97 | 60 | 19.2 | 32 | 18 | 250 |
| | | | | | | | | | |
| BT50-SFSA08-110-M42 | 08 | 11 | 110 | 42 | 30 | 15.4 | 25 | 24 | 165 |
| BT50-SFSA08-135-M67 | 08 | 11 | 135 | 67 | 30 | 18 | 32 | 24 | 190 |
| BT50-SFSA08-140-M42 | 08 | 11 | 140 | 42 | 60 | 15.4 | 25 | 24 | 195 |
| BT50-SFSA08-165-M67 | 08 | 11 | 165 | 67 | 60 | 18 | 32 | 24 | 220 |
| BT50-SFSA08-165-M97 | 08 | 11 | 165 | 97 | 30 | 21.2 | 32 | 24 | 220 |
| BT50-SFSA08-195-M97 | 08 | 11 | 195 | 97 | 60 | 21.2 | 32 | 24 | 250 |

## Shrink Chuck, 3°, Slim, Form A
## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



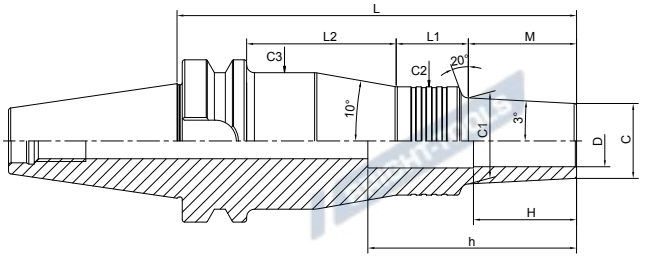



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT50-SFSA10-110-M42 | 10 | 13 | 110 | 42 | 30 | 17.4 | 25 | 30 | 165 |
| BT50-SFSA10-135-M67 | 10 | 13 | 135 | 67 | 30 | 20 | 32 | 30 | 190 |
| BT50-SFSA10-140-M42 | 10 | 13 | 140 | 42 | 60 | 17.4 | 25 | 30 | 195 |
| BT50-SFSA10-165-M67 | 10 | 13 | 165 | 67 | 60 | 20 | 32 | 30 | 220 |
| BT50-SFSA10-165-M97 | 10 | 13 | 165 | 97 | 30 | 23.2 | 32 | 30 | 220 |
| BT50-SFSA10-195-M97 | 10 | 13 | 195 | 97 | 60 | 23.2 | 32 | 30 | 250 |
| | | | | | | | | | |
| BT50-SFSA12-110-M42 | 12 | 15 | 110 | 42 | 30 | 19.4 | 32 | 30 | 165 |
| BT50-SFSA12-135-M67 | 12 | 15 | 135 | 67 | 30 | 22 | 32 | 30 | 190 |
| BT50-SFSA12-140-M42 | 12 | 15 | 140 | 42 | 60 | 19.4 | 32 | 30 | 195 |
| BT50-SFSA12-165-M67 | 12 | 15 | 165 | 67 | 60 | 22 | 32 | 30 | 220 |
| BT50-SFSA12-165-M97 | 12 | 15 | 165 | 97 | 30 | 25.2 | 32 | 30 | 220 |
| BT50-SFSA12-195-M97 | 12 | 15 | 195 | 97 | 60 | 25.2 | 32 | 30 | 250 |

## Shrink Chuck, 3°, Slim, Form A
## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



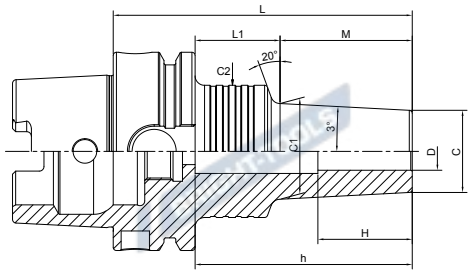



| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BT50-SFSA03-170-M42 | 03 | 6 | 170 | 42 | 33 | 57 | 10.4 | 26 | 40 | 9 | 225 |
| BT50-SFSA03-195-M67 | 03 | 6 | 195 | 67 | 33 | 57 | 13 | 26 | 40 | 9 | 250 |
| BT50-SFSA03-225-M97 | 03 | 6 | 225 | 97 | 33 | 57 | 16.2 | 26 | 40 | 9 | 280 |
| BT50-SFSA04-170-M42 | 04 | 7 | 170 | 42 | 33 | 57 | 11.4 | 25 | 39 | 12 | 225 |
| BT50-SFSA04-195-M67 | 04 | 7 | 195 | 67 | 33 | 57 | 14 | 25 | 39 | 12 | 250 |
| BT50-SFSA04-225-M97 | 04 | 7 | 225 | 97 | 33 | 57 | 17.2 | 25 | 39 | 12 | 280 |
| BT50-SFSA06-170-M42 | 06 | 9 | 170 | 42 | 33 | 57 | 13.4 | 26 | 40 | 18 | 225 |
| BT50-SFSA06-195-M67 | 06 | 9 | 195 | 67 | 33 | 57 | 16 | 25 | 39 | 18 | 250 |
| BT50-SFSA06-225-M97 | 06 | 9 | 225 | 97 | 30 | 60 | 19.2 | 32 | 46 | 18 | 280 |
| BT50-SFSA08-170-M42 | 08 | 11 | 170 | 42 | 33 | 57 | 15.4 | 25 | 39 | 24 | 225 |
| BT50-SFSA08-195-M67 | 08 | 11 | 195 | 67 | 28 | 62 | 18 | 36 | 50 | 24 | 250 |
| BT50-SFSA08-225-M97 | 08 | 11 | 225 | 97 | 28 | 62 | 21.2 | 36 | 50 | 24 | 280 |
| BT50-SFSA10-170-M42 | 10 | 13 | 170 | 42 | 33 | 57 | 17.4 | 25 | 39 | 30 | 225 |
| BT50-SFSA10-195-M67 | 10 | 13 | 195 | 67 | 28 | 62 | 20 | 36 | 50 | 30 | 250 |
| BT50-SFSA10-225-M97 | 10 | 13 | 225 | 97 | 30 | 60 | 23.2 | 32 | 46 | 30 | 280 |
| BT50-SFSA12-170-M42 | 12 | 15 | 170 | 42 | 30 | 60 | 19.4 | 32 | 46 | 30 | 225 |
| BT50-SFSA12-195-M67 | 12 | 15 | 195 | 67 | 30 | 60 | 22 | 32 | 46 | 30 | 250 |
| BT50-SFSA12-225-M97 | 12 | 15 | 225 | 97 | 30 | 60 | 25.2 | 32 | 46 | 30 | 280 |

## Shrink Chuck, 3°, Slim, Form A
## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





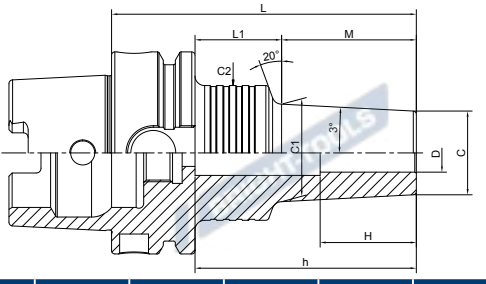

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK40A-SFSA03-60-M22 | 03 | 6 | 60 | 22 | 18 | 8.3 | 20 | 9 | 44 |
| HSK40A-SFSA03-65-M22 | 03 | 6 | 65 | 22 | 23 | 8.3 | 25 | 9 | 44 |
| HSK40A-SFSA03-85-M42 | 03 | 6 | 85 | 42 | 23 | 10.4 | 25 | 9 | 64 |
| HSK40A-SFSA03-100-M42 | 03 | 6 | 100 | 42 | 38 | 10.4 | 25 | 9 | 78 |
| HSK40A-SFSA04-60-M22 | 04 | 7 | 60 | 22 | 18 | 9.3 | 20 | 12 | 44 |
| HSK40A-SFSA04-65-M22 | 04 | 7 | 65 | 22 | 23 | 9.3 | 25 | 12 | 44 |
| HSK40A-SFSA04-85-M42 | 04 | 7 | 85 | 42 | 23 | 11.4 | 25 | 12 | 64 |
| HSK40A-SFSA04-100-M42 | 04 | 7 | 100 | 42 | 38 | 11.4 | 25 | 12 | 78 |
| HSK40A-SFSA06-65-M22 | 06 | 9 | 65 | 22 | 23 | 11.3 | 25 | 18 | 44 |
| HSK40A-SFSA06-85-M42 | 06 | 9 | 85 | 42 | 23 | 13.4 | 25 | 18 | 64 |
| HSK40A-SFSA06-100-M42 | 06 | 9 | 100 | 42 | 38 | 13.4 | 25 | 18 | 78 |
| HSK40A-SFSA08-65-M22 | 08 | 11 | 65 | 22 | 23 | 13.3 | 25 | 24 | 44 |
| HSK40A-SFSA08-85-M42 | 08 | 11 | 85 | 42 | 23 | 15.4 | 25 | 24 | 64 |
| HSK40A-SFSA08-100-M42 | 08 | 11 | 100 | 42 | 38 | 15.4 | 25 | 24 | 78 |
| HSK40A-SFSA10-65-M22 | 10 | 13 | 65 | 22 | 23 | 15.3 | 25 | 30 | 44 |
| HSK40A-SFSA10-85-M42 | 10 | 13 | 85 | 42 | 23 | 17.4 | 25 | 30 | 64 |
| HSK40A-SFSA10-100-M42 | 10 | 13 | 100 | 42 | 38 | 17.4 | 25 | 30 | 78 |
| HSK40A-SFSA12-65-M22 | 12 | 15 | 65 | 22 | 23 | 17.3 | 25 | 30 | 44 |
| HSK40A-SFSA12-90-M42 | 12 | 15 | 90 | 42 | 28 | 19.4 | 32 | 30 | 68 |
| | | | | | | | | | |
| HSK50A-SFSA03-95-M42 | 03 | 6 | 95 | 42 | 27 | 10.4 | 25 | 9 | 71 |
| HSK50A-SFSA03-125-M42 | 03 | 6 | 125 | 42 | 57 | 10.4 | 25 | 9 | 101 |
| HSK50A-SFSA04-95-M42 | 04 | 7 | 95 | 42 | 27 | 11.4 | 25 | 12 | 71 |
| HSK50A-SFSA04-125-M42 | 04 | 7 | 125 | 42 | 57 | 11.4 | 25 | 12 | 101 |
| HSK50A-SFSA06-95-M42 | 06 | 9 | 95 | 42 | 27 | 13.4 | 25 | 18 | 71 |
| HSK50A-SFSA06-125-M42 | 06 | 9 | 125 | 42 | 57 | 13.4 | 25 | 18 | 101 |
| HSK50A-SFSA08-95-M42 | 08 | 11 | 95 | 42 | 27 | 15.4 | 25 | 24 | 71 |
| HSK50A-SFSA08-125-M42 | 08 | 11 | 125 | 42 | 57 | 15.4 | 25 | 24 | 101 |
| HSK50A-SFSA10-95-M42 | 10 | 13 | 95 | 42 | 27 | 17.4 | 25 | 30 | 71 |
| HSK50A-SFSA10-125-M42 | 10 | 13 | 125 | 42 | 57 | 17.4 | 25 | 30 | 101 |

## Shrink Chuck, 3°, Slim, Form A

## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



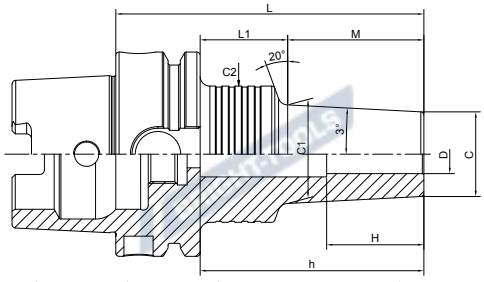



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFSA03-95-M42 | 03 | 6 | 95 | 42 | 27 | 10.4 | 25 | 9 | 70 |
| HSK63A-SFSA03-120-M67 | 03 | 6 | 120 | 67 | 27 | 13 | 25 | 9 | 95 |
| HSK63A-SFSA03-125-M42 | 03 | 6 | 125 | 42 | 57 | 10.4 | 26 | 9 | 100 |
| HSK63A-SFSA03-150-M67 | 03 | 6 | 150 | 67 | 57 | 13 | 25 | 9 | 125 |
| HSK63A-SFSA03-150-M97 | 03 | 6 | 150 | 97 | 27 | 16.2 | 25 | 9 | 125 |
| HSK63A-SFSA03-180-M97 | 03 | 6 | 180 | 97 | 57 | 16.2 | 25 | 9 | 155 |
| | | | | | | | | | |
| HSK63A-SFSA04-95-M42 | 04 | 7 | 95 | 42 | 27 | 11.4 | 25 | 12 | 70 |
| HSK63A-SFSA04-120-M67 | 04 | 7 | 120 | 67 | 27 | 14 | 25 | 12 | 95 |
| HSK63A-SFSA04-125-M42 | 04 | 7 | 125 | 42 | 57 | 11.4 | 25 | 12 | 100 |
| HSK63A-SFSA04-150-M67 | 04 | 7 | 150 | 67 | 57 | 14 | 25 | 12 | 125 |
| HSK63A-SFSA04-150-M97 | 04 | 7 | 150 | 97 | 27 | 17.2 | 25 | 12 | 125 |
| HSK63A-SFSA04-180-M97 | 04 | 7 | 180 | 97 | 57 | 17.2 | 25 | 12 | 155 |
| | | | | | | | | | |
| HSK63A-SFSA06-95-M42 | 06 | 9 | 95 | 42 | 27 | 13.4 | 25 | 18 | 70 |
| HSK63A-SFSA06-120-M67 | 06 | 9 | 120 | 67 | 27 | 16 | 25 | 18 | 95 |
| HSK63A-SFSA06-125-M42 | 06 | 9 | 125 | 42 | 57 | 13.4 | 25 | 18 | 100 |
| HSK63A-SFSA06-150-M67 | 06 | 9 | 150 | 67 | 57 | 16 | 25 | 18 | 125 |
| HSK63A-SFSA06-150-M97 | 06 | 9 | 150 | 97 | 27 | 19.2 | 32 | 18 | 124 |
| HSK63A-SFSA06-180-M97 | 06 | 9 | 180 | 97 | 57 | 19.2 | 32 | 18 | 154 |
| | | | | | | | | | |
| HSK63A-SFSA08-95-M42 | 08 | 11 | 95 | 42 | 27 | 15.4 | 25 | 24 | 70 |
| HSK63A-SFSA08-120-M67 | 08 | 11 | 120 | 67 | 27 | 18 | 32 | 24 | 94 |
| HSK63A-SFSA08-125-M42 | 08 | 11 | 125 | 42 | 57 | 15.4 | 25 | 24 | 100 |
| HSK63A-SFSA08-150-M67 | 08 | 11 | 150 | 67 | 57 | 18 | 32 | 24 | 124 |
| HSK63A-SFSA08-150-M97 | 08 | 11 | 150 | 97 | 27 | 21.2 | 32 | 24 | 124 |
| HSK63A-SFSA08-180-M97 | 08 | 11 | 180 | 97 | 57 | 21.2 | 32 | 24 | 154 |

## Shrink Chuck, 3°, Slim, Form A
## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





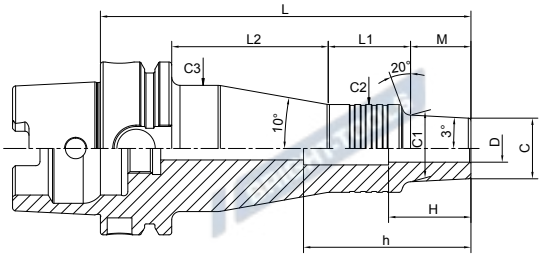

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFSA10-95-M42 | 10 | 13 | 95 | 42 | 27 | 17.4 | 25 | 30 | 70 |
| HSK63A-SFSA10-120-M67 | 10 | 13 | 120 | 67 | 27 | 20 | 32 | 30 | 94 |
| HSK63A-SFSA10-125-M42 | 10 | 13 | 125 | 42 | 57 | 17.4 | 25 | 30 | 100 |
| HSK63A-SFSA10-150-M67 | 10 | 13 | 150 | 67 | 57 | 20 | 32 | 30 | 124 |
| HSK63A-SFSA10-150-M97 | 10 | 13 | 150 | 97 | 27 | 23.2 | 32 | 30 | 124 |
| HSK63A-SFSA10-180-M97 | 10 | 13 | 180 | 97 | 57 | 23.2 | 36 | 30 | 153 |
| | | | | | | | | | |
| HSK63A-SFSA12-95-M42 | 12 | 15 | 95 | 42 | 27 | 19.4 | 32 | 30 | 69 |
| HSK63A-SFSA12-120-M67 | 12 | 15 | 120 | 67 | 27 | 22 | 32 | 30 | 94 |
| HSK63A-SFSA12-125-M42 | 12 | 15 | 125 | 42 | 57 | 19.4 | 32 | 30 | 99 |
| HSK63A-SFSA12-150-M67 | 12 | 15 | 150 | 67 | 57 | 22 | 32 | 30 | 124 |
| HSK63A-SFSA12-150-M97 | 12 | 15 | 150 | 97 | 27 | 25.2 | 32 | 30 | 124 |
| HSK63A-SFSA12-180-M97 | 12 | 15 | 180 | 97 | 57 | 25.2 | 32 | 30 | 154 |

## Shrink Chuck, 3°, Slim, Form A

## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



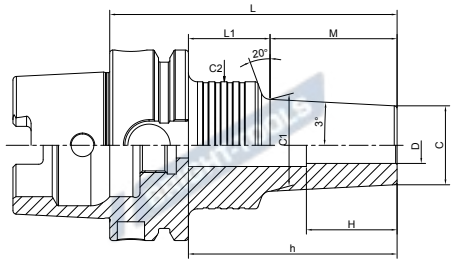



| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFSA03-155-M42 | 03 | 6 | 155 | 42 | 33 | 54 | 10.4 | 26 | 40 | 9 | 130 |
| HSK63A-SFSA03-180-M67 | 03 | 6 | 180 | 67 | 33 | 54 | 13 | 25 | 39 | 9 | 155 |
| HSK63A-SFSA03-210-M97 | 03 | 6 | 210 | 97 | 33 | 54 | 16.2 | 25 | 39 | 9 | 185 |
| HSK63A-SFSA04-155-M42 | 04 | 7 | 155 | 42 | 33 | 54 | 11.4 | 25 | 39 | 12 | 130 |
| HSK63A-SFSA04-180-M67 | 04 | 7 | 180 | 67 | 33 | 54 | 14 | 26 | 39 | 12 | 155 |
| HSK63A-SFSA04-210-M97 | 04 | 7 | 210 | 97 | 33 | 54 | 17.2 | 25 | 39 | 12 | 185 |
| HSK63A-SFSA06-155-M42 | 06 | 9 | 155 | 42 | 33 | 54 | 13.4 | 25 | 39 | 18 | 130 |
| HSK63A-SFSA06-180-M67 | 06 | 9 | 180 | 67 | 33 | 54 | 16 | 25 | 39 | 18 | 155 |
| HSK63A-SFSA06-210-M97 | 06 | 9 | 210 | 97 | 30 | 57 | 19.2 | 32 | 46 | 18 | 184 |
| HSK63A-SFSA08-155-M42 | 08 | 11 | 155 | 42 | 33 | 54 | 15.4 | 25 | 39 | 24 | 130 |
| HSK63A-SFSA08-180-M67 | 08 | 11 | 180 | 67 | 30 | 57 | 18 | 32 | 46 | 24 | 154 |
| HSK63A-SFSA08-210-M97 | 08 | 11 | 210 | 97 | 30 | 57 | 21.2 | 32 | 46 | 24 | 184 |
| HSK63A-SFSA10-155-M42 | 10 | 13 | 155 | 42 | 33 | 54 | 17.4 | 25 | 39 | 30 | 130 |
| HSK63A-SFSA10-180-M67 | 10 | 13 | 180 | 67 | 30 | 57 | 20 | 32 | 46 | 30 | 154 |
| HSK63A-SFSA10-210-M97 | 10 | 13 | 210 | 97 | 30 | 57 | 23.2 | 32 | 46 | 30 | 184 |
| HSK63A-SFSA12-155-M42 | 12 | 15 | 155 | 42 | 30 | 57 | 19.4 | 32 | 46 | 30 | 129 |
| HSK63A-SFSA12-180-M67 | 12 | 15 | 180 | 67 | 30 | 57 | 22 | 32 | 46 | 30 | 154 |
| HSK63A-SFSA12-210-M97 | 12 | 15 | 210 | 97 | 30 | 57 | 25.2 | 32 | 46 | 30 | 184 |

## Shrink Chuck, 3°, Slim, Form A
## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





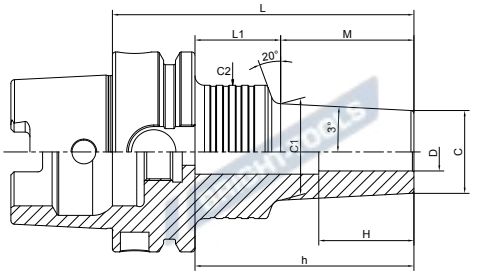

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFSA03-110-M42 | 03 | 6 | 110 | 42 | 39 | 10.4 | 26 | 9 | 80 |
| HSK100A-SFSA03-135-M67 | 03 | 6 | 135 | 67 | 39 | 13 | 26 | 9 | 105 |
| HSK100A-SFSA03-140-M42 | 03 | 6 | 140 | 42 | 69 | 10.4 | 26 | 9 | 110 |
| HSK100A-SFSA03-165-M67 | 03 | 6 | 165 | 67 | 69 | 13 | 25 | 9 | 136 |
| HSK100A-SFSA03-165-M97 | 03 | 6 | 165 | 97 | 39 | 16.2 | 26 | 9 | 135 |
| HSK100A-SFSA03-195-M97 | 03 | 6 | 195 | 97 | 69 | 16.2 | 25 | 9 | 166 |
| | | | | | | | | | |
| HSK100A-SFSA04-110-M42 | 04 | 7 | 110 | 42 | 39 | 11.4 | 25 | 12 | 81 |
| HSK100A-SFSA04-135-M67 | 04 | 7 | 135 | 67 | 39 | 14 | 25 | 12 | 106 |
| HSK100A-SFSA04-140-M42 | 04 | 7 | 140 | 42 | 69 | 11.4 | 25 | 12 | 111 |
| HSK100A-SFSA04-165-M67 | 04 | 7 | 165 | 67 | 69 | 14 | 25 | 12 | 136 |
| HSK100A-SFSA04-165-M97 | 04 | 7 | 165 | 97 | 39 | 17.2 | 26 | 12 | 135 |
| HSK100A-SFSA04-195-M97 | 04 | 7 | 195 | 97 | 69 | 17.2 | 25 | 12 | 166 |
| | | | | | | | | | |
| HSK100A-SFSA06-110-M42 | 06 | 9 | 110 | 42 | 39 | 13.4 | 25 | 18 | 81 |
| HSK100A-SFSA06-135-M67 | 06 | 9 | 135 | 67 | 39 | 16 | 25 | 18 | 106 |
| HSK100A-SFSA06-140-M42 | 06 | 9 | 140 | 42 | 69 | 13.4 | 25 | 18 | 111 |
| HSK100A-SFSA06-165-M67 | 06 | 9 | 165 | 67 | 69 | 16 | 25 | 18 | 136 |
| HSK100A-SFSA06-165-M97 | 06 | 9 | 165 | 97 | 39 | 19.2 | 32 | 18 | 135 |
| HSK100A-SFSA06-195-M97 | 06 | 9 | 195 | 97 | 69 | 19.2 | 32 | 18 | 166 |

## Shrink Chuck, 3°, Slim, Form A

## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





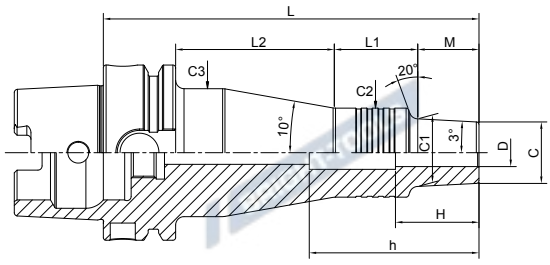

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFSA08-110-M42 | 08 | 11 | 110 | 42 | 39 | 15.4 | 36 | 24 | 80 |
| HSK100A-SFSA08-135-M67 | 08 | 11 | 135 | 67 | 39 | 18 | 32 | 24 | 106 |
| HSK100A-SFSA08-140-M42 | 08 | 11 | 140 | 42 | 69 | 15.4 | 36 | 24 | 110 |
| HSK100A-SFSA08-165-M67 | 08 | 11 | 165 | 67 | 69 | 18 | 36 | 24 | 135 |
| HSK100A-SFSA08-165-M97 | 08 | 11 | 165 | 97 | 39 | 21.2 | 32 | 24 | 136 |
| HSK100A-SFSA08-195-M97 | 08 | 11 | 195 | 97 | 69 | 21.2 | 32 | 24 | 166 |
| | | | | | | | | | |
| HSK100A-SFSA10-110-M42 | 10 | 13 | 110 | 42 | 39 | 17.4 | 25 | 30 | 81 |
| HSK100A-SFSA10-135-M67 | 10 | 13 | 135 | 67 | 39 | 20 | 32 | 30 | 106 |
| HSK100A-SFSA10-140-M42 | 10 | 13 | 140 | 42 | 69 | 17.4 | 25 | 30 | 111 |
| HSK100A-SFSA10-165-M67 | 10 | 13 | 165 | 67 | 69 | 20 | 36 | 30 | 135 |
| HSK100A-SFSA10-165-M97 | 10 | 13 | 165 | 97 | 39 | 23.2 | 32 | 30 | 136 |
| HSK100A-SFSA10-195-M97 | 10 | 13 | 195 | 97 | 69 | 23.2 | 36 | 30 | 165 |
| | | | | | | | | | |
| HSK100A-SFSA12-110-M42 | 12 | 15 | 110 | 42 | 39 | 19.4 | 32 | 30 | 79 |
| HSK100A-SFSA12-135-M67 | 12 | 15 | 135 | 67 | 39 | 22 | 32 | 30 | 104 |
| HSK100A-SFSA12-140-M42 | 12 | 15 | 140 | 42 | 69 | 19.4 | 32 | 30 | 109 |
| HSK100A-SFSA12-165-M67 | 12 | 15 | 165 | 67 | 69 | 22 | 32 | 30 | 134 |
| HSK100A-SFSA12-165-M97 | 12 | 15 | 165 | 97 | 39 | 25.2 | 32 | 30 | 134 |
| HSK100A-SFSA12-195-M97 | 12 | 15 | 195 | 97 | 69 | 25.2 | 36 | 30 | 160 |

## Shrink Chuck, 3°, Slim, Form A

## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



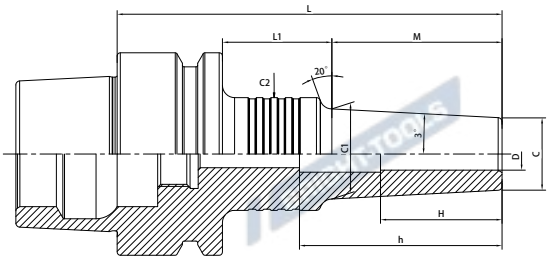



| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFSA03-170-M42 | 03 | 6 | 170 | 42 | 33 | 66 | 10.4 | 26 | 40 | 9 | 140 |
| HSK100A-SFSA03-195-M67 | 03 | 6 | 195 | 67 | 33 | 66 | 13 | 26 | 40 | 9 | 165 |
| HSK100A-SFSA03-225-M97 | 03 | 6 | 225 | 97 | 33 | 66 | 16.2 | 26 | 40 | 9 | 195 |
| HSK100A-SFSA04-170-M42 | 04 | 7 | 170 | 42 | 33 | 66 | 11.4 | 26 | 40 | 12 | 140 |
| HSK100A-SFSA04-195-M67 | 04 | 7 | 195 | 67 | 33 | 66 | 14 | 25 | 39 | 12 | 166 |
| HSK100A-SFSA04-225-M97 | 04 | 7 | 225 | 97 | 33 | 66 | 17.2 | 25 | 39 | 12 | 196 |
| HSK100A-SFSA06-170-M42 | 06 | 9 | 170 | 42 | 33 | 66 | 13.4 | 25 | 39 | 18 | 141 |
| HSK100A-SFSA06-195-M67 | 06 | 9 | 195 | 67 | 33 | 66 | 16 | 26 | 39 | 18 | 166 |
| HSK100A-SFSA06-225-M97 | 06 | 9 | 225 | 97 | 30 | 69 | 19.2 | 32 | 46 | 18 | 196 |
| HSK100A-SFSA08-170-M42 | 08 | 11 | 170 | 42 | 28 | 71 | 15.4 | 36 | 50 | 24 | 140 |
| HSK100A-SFSA08-195-M67 | 08 | 11 | 195 | 67 | 30 | 69 | 18 | 32 | 46 | 24 | 166 |
| HSK100A-SFSA08-225-M97 | 08 | 11 | 225 | 97 | 28 | 71 | 21.2 | 36 | 50 | 24 | 195 |
| HSK100A-SFSA10-170-M42 | 10 | 13 | 170 | 42 | 28 | 71 | 17.4 | 36 | 50 | 30 | 140 |
| HSK100A-SFSA10-195-M67 | 10 | 13 | 195 | 67 | 28 | 71 | 20 | 36 | 50 | 30 | 165 |
| HSK100A-SFSA10-225-M97 | 10 | 13 | 225 | 97 | 30 | 69 | 23.2 | 32 | 46 | 30 | 196 |
| HSK100A-SFSA12-170-M42 | 12 | 15 | 170 | 42 | 28 | 71 | 19.4 | 36 | 50 | 30 | 135 |
| HSK100A-SFSA12-195-M67 | 12 | 15 | 195 | 67 | 30 | 69 | 22 | 32 | 46 | 30 | 164 |
| HSK100A-SFSA12-225-M97 | 12 | 15 | 225 | 97 | 30 | 69 | 25.2 | 32 | 46 | 30 | 194 |

## Shrink Chuck, 3°, Slim, Form A
## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





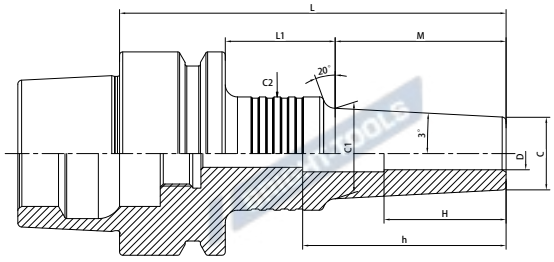

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK25E-SFSA03-35 | 03 | 6 | 35 | 17 | 8 | 7.8 | 18 | 9 | 29 |
| HSK25E-SFSA03-50 | 03 | 6 | 50 | 32 | 8 | 9.4 | 18 | 9 | 44 |
| HSK25E-SFSA04-35 | 04 | 7 | 35 | 17 | 8 | 8.8 | 18 | 12 | 29 |
| HSK25E-SFSA04-50 | 04 | 7 | 50 | 32 | 8 | 10.4 | 18 | 12 | 44 |
| HSK25E-SFSA5-35 | 05 | 8 | 35 | 17 | 8 | 9.8 | 18 | 15 | 26 |
| HSK25E-SFSA06-35 | 06 | 9 | 35 | 17 | 8 | 10.8 | 18 | 18 | 26 |
| HSK25E-SFSA06-50 | 06 | 9 | 50 | 32 | 8 | 12.4 | 18 | 18 | 39 |
| HSK25E-SFSA1/8"-35 | 1/8" | 6.175 | 35 | 17 | 8 | 8 | 18 | 9 | 29 |
| HSK25E-SFSA1/8"-50 | 1/8" | 6.175 | 50 | 32 | 8 | 9.6 | 18 | 9 | 44 |
| | | | | | | | | | |
| HSK32E-SFSA03-50-M22 | 03 | 6 | 50 | 22 | 8 | 8.3 | 20 | 9 | 42 |
| HSK32E-SFSA03-70-M42 | 03 | 6 | 70 | 42 | 8 | 10.4 | 20 | 9 | 62 |
| HSK32E-SFSA03-85-M42 | 03 | 6 | 85 | 42 | 23 | 10.4 | 25 | 9 | 69 |
| HSK32E-SFSA04-50-M22 | 04 | 7 | 50 | 22 | 8 | 9.3 | 20 | 12 | 42 |
| HSK32E-SFSA04-70-M42 | 04 | 7 | 70 | 42 | 8 | 11.4 | 20 | 12 | 62 |
| HSK32E-SFSA04-85-M42 | 04 | 7 | 85 | 42 | 23 | 11.4 | 25 | 12 | 77 |
| HSK32E-SFSA06-70-M42 | 06 | 9 | 70 | 42 | 8 | 13.4 | 20 | 18 | 62 |
| HSK32E-SFSA1/8"-50-M22 | 1/8" | 6.175 | 50 | 22 | 8 | 9 | 20 | 9 | 42 |

## Shrink Chuck, 3°, Slim, Form A

## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





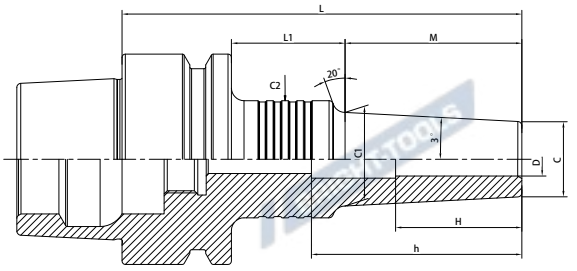

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK40E-SFSA03-50-M22 | 03 | 6 | 50 | 22 | 8 | 8.3 | 20 | 9 | 42 |
| HSK40E-SFSA03-70-M42 | 03 | 6 | 70 | 42 | 8 | 10.4 | 20 | 9 | 62 |
| HSK40E-SFSA03-85-M42 | 03 | 6 | 85 | 42 | 23 | 10.4 | 25 | 9 | 69 |
| HSK40E-SFSA03-110-M67 | 03 | 6 | 110 | 67 | 23 | 13.0 | 25 | 9 | 94 |
| | | | | | | | | | |
| HSK40E-SFSA04-50-M22 | 04 | 7 | 50 | 22 | 8 | 9.3 | 20 | 12 | 42 |
| HSK40E-SFSA04-70-M42 | 04 | 7 | 70 | 42 | 8 | 11.4 | 20 | 12 | 62 |
| HSK40E-SFSA04-85-M42 | 04 | 7 | 85 | 42 | 23 | 11 | 25 | 12 | 74 |
| HSK40E-SFSA04-110-M67 | 04 | 7 | 110 | 67 | 23 | 14.0 | 25 | 12 | 99 |
| | | | | | | | | | |
| HSK40E-SFSA06-50-M22 | 06 | 9 | 50 | 22 | 8 | 11.3 | 20 | 18 | 39 |
| HSK40E-SFSA06-70-M42 | 06 | 9 | 70 | 42 | 8 | 13.4 | 20 | 18 | 54 |
| HSK40E-SFSA06-85-M42 | 06 | 9 | 85 | 42 | 23 | 13.4 | 25 | 18 | 69 |
| HSK40E-SFSA06-110-M67 | 06 | 9 | 110 | 67 | 23 | 16 | 25 | 18 | 94 |
| | | | | | | | | | |
| HSK40E-SFSA08-60-M22 | 08 | 11 | 60 | 22 | 18 | 13.3 | 26 | 24 | 49 |
| HSK40E-SFSA08-80-M42 | 08 | 11 | 80 | 42 | 18 | 15.4 | 26 | 24 | 64 |
| HSK40E-SFSA08-100-M42 | 08 | 11 | 100 | 42 | 38 | 15.4 | 25 | 24 | 84 |
| | | | | | | | | | |
| HSK40E-SFSA10-60-M22 | 10 | 13 | 60 | 22 | 18 | 15.3 | 26 | 30 | 49 |
| HSK40E-SFSA10-80-M42 | 10 | 13 | 80 | 42 | 18 | 17.4 | 26 | 30 | 64 |
| HSK40E-SFSA10-100-M42 | 10 | 13 | 100 | 42 | 38 | 17.4 | 25 | 30 | 89 |
| | | | | | | | | | |
| HSK40E-SFSA1/8"-50-M22 | 1/8" | 6.175 | 50 | 22 | 8 | 8.5 | 20 | 9 | 42 |

## Shrink Chuck, 3°, Slim, Form A

## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





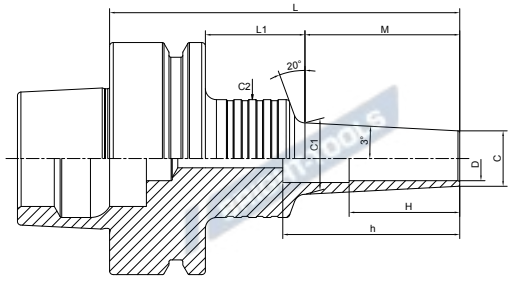

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK50E-SFSA03-60-M22 | 03 | 6 | 60 | 22 | 12 | 8.3 | 20 | 9 | 50 |
| HSK50E-SFSA03-75-M22 | 03 | 6 | 75 | 22 | 27 | 8.3 | 25 | 9 | 61 |
| HSK50E-SFSA03-80-M42 | 03 | 6 | 80 | 42 | 12 | 10.4 | 20 | 9 | 70 |
| HSK50E-SFSA03-95-M42 | 03 | 6 | 95 | 42 | 27 | 10.4 | 25 | 9 | 81 |
| | | | | | | | | | |
| HSK50E-SFSA04-75-M22 | 04 | 7 | 75 | 22 | 27 | 9.3 | 25 | 12 | 61 |
| HSK50E-SFSA04-95-M42 | 04 | 7 | 95 | 42 | 27 | 11.4 | 25 | 12 | 81 |
| | | | | | | | | | |
| HSK50E-SFSA06-75-M22 | 06 | 9.000 | 75 | 22 | 27 | 11.3 | 25 | 18 | 61 |
| HSK50E-SFSA06-95-M42 | 06 | 9 | 95 | 42 | 27 | 13.4 | 25 | 18 | 81 |
| HSK50E-SFSA06-120-M67 | 06 | 9 | 120 | 67 | 27 | 16 | 25 | 18 | 106 |
| HSK50E-SFSA06-150-M97 | 06 | 9 | 150 | 97 | 27 | 19.2 | 32 | 18 | 135 |
| | | | | | | | | | |
| HSK50E-SFSA08-65-M22 | 08 | 11 | 65 | 22 | 17 | 13.3 | 26 | 24 | 49 |
| HSK50E-SFSA08-75-M22 | 08 | 11 | 75 | 22 | 27 | 15.4 | 25 | 24 | 61 |
| HSK50E-SFSA08-85-M42 | 08 | 11 | 85 | 42 | 17 | 15.4 | 26 | 24 | 67 |
| HSK50E-SFSA08-95-M42 | 08 | 11 | 95 | 42 | 27 | 15.4 | 25 | 24 | 81 |
| HSK50E-SFSA08-120-M67 | 08 | 11 | 120 | 67 | 27 | 18 | 32 | 24 | 105 |
| HSK50E-SFSA08-150-M97 | 08 | 11 | 150 | 97 | 27 | 21.2 | 32 | 24 | 132 |
| | | | | | | | | | |
| HSK50E-SFSA10-65-M22 | 10 | 13 | 65 | 22 | 17 | 15.3 | 26 | 30 | 49 |
| HSK50E-SFSA10-75-M22 | 10 | 13 | 75 | 22 | 27 | 15.3 | 25 | 30 | 61 |
| HSK50E-SFSA10-85-M42 | 10 | 13 | 85 | 42 | 17 | 17.4 | 26 | 30 | 64 |
| HSK50E-SFSA10-95-M42 | 10 | 13 | 95 | 42 | 27 | 17.4 | 25 | 30 | 81 |
| HSK50E-SFSA10-120-M67 | 10 | 13 | 120 | 67 | 27 | 20 | 32 | 30 | 105 |
| HSK50E-SFSA10-150-M97 | 10 | 13 | 150 | 97 | 27 | 23.2 | 32 | 30 | 64 |
| HSK50E-SFSA12-65-M22 | 12 | 15 | 65 | 22 | 17 | 17.3 | 26 | 25 | 49 |
| HSK50E-SFSA12-75-M22 | 12 | 15 | 75 | 22 | 27 | 17.3 | 25 | 30 | 60 |
| HSK50E-SFSA12-95-M42 | 12 | 15 | 95 | 42 | 27 | 19.4 | 32 | 30 | 80 |
| HSK50E-SFSA12-120-M67 | 12 | 15 | 120 | 67 | 27 | 22 | 32 | 30 | 105 |

## Shrink Chuck, 3°, Slim, Form A

## 热缩刀柄 3 度，薄壁 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





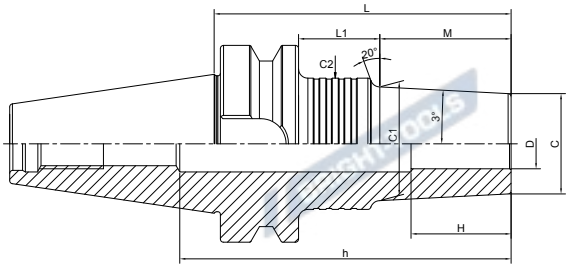

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63F-SFSA03-75-M37 | 03 | 6 | 75 | 37 | 12 | 9.9 | 26 | 9 | 58 |
| HSK63F-SFSA03-95-M42 | 03 | 6 | 95 | 42 | 27 | 10.4 | 25 | 9 | 78 |
| HSK63F-SFSA04-95-M42 | 04 | 7 | 95 | 42 | 27 | 11.4 | 25 | 12 | 78 |
| HSK63F-SFSA06-75-M37 | 06 | 9 | 75 | 37 | 12 | 12.9 | 26 | 18 | 58 |
| HSK63F-SFSA06-95-M42 | 06 | 9 | 95 | 42 | 27 | 13.4 | 25 | 18 | 78 |
| HSK63F-SFSA08-95-M42 | 08 | 11 | 95 | 42 | 27 | 15.4 | 25 | 24 | 78 |
| HSK63F-SFSA10-95-M42 | 10 | 13 | 95 | 42 | 27 | 17.4 | 25 | 30 | 74 |
| HSK63F-SFSA12-95-M42 | 12 | 15 | 95 | 42 | 27 | 19.4 | 32 | 30 | 74 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



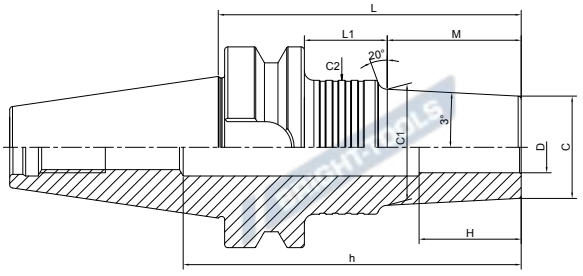



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT40-SFSB06-95-M42 | 06 | 10 | 95 | 42 | 26 | 14.4 | 25 | 18 | 130 |
| BT40-SFSB06-120-M67 | 06 | 10 | 120 | 67 | 26 | 17 | 25 | 18 | 155 |
| BT40-SFSB06-125-M42 | 06 | 10 | 125 | 42 | 56 | 14.4 | 25 | 18 | 160 |
| BT40-SFSB06-150-M67 | 06 | 10 | 150 | 67 | 56 | 17 | 25 | 18 | 185 |
| BT40-SFSB06-150-M97 | 06 | 10 | 150 | 97 | 26 | 20.2 | 32 | 18 | 185 |
| BT40-SFSB06-180-M97 | 06 | 10 | 180 | 97 | 56 | 20.2 | 32 | 18 | 215 |
| BT40-SFSB06-180-M127 | 06 | 10 | 180 | 127 | 26 | 23.3 | 32 | 18 | 215 |
| BT40-SFSB06-210-M127 | 06 | 10 | 210 | 127 | 56 | 23.3 | 32 | 18 | 245 |
| BT40-SFSB06-210-M157 | 06 | 10 | 210 | 157 | 26 | 26.5 | 32 | 18 | 245 |
| BT40-SFSB06-240-M157 | 06 | 10 | 240 | 157 | 56 | 26.5 | 36 | 18 | 275 |
| | | | | | | | | | |
| BT40-SFSB08-95-M42 | 08 | 13 | 95 | 42 | 26 | 17.4 | 32 | 24 | 130 |
| BT40-SFSB08-120-M67 | 08 | 13 | 120 | 67 | 26 | 20 | 32 | 24 | 155 |
| BT40-SFSB08-125-M42 | 08 | 13 | 125 | 42 | 56 | 17.4 | 36 | 24 | 160 |
| BT40-SFSB08-150-M67 | 08 | 13 | 150 | 67 | 56 | 20 | 32 | 24 | 185 |
| BT40-SFSB08-150-M97 | 08 | 13 | 150 | 97 | 26 | 23.2 | 32 | 24 | 185 |
| BT40-SFSB08-180-M97 | 08 | 13 | 180 | 97 | 56 | 23.2 | 32 | 24 | 215 |
| BT40-SFSB08-180-M127 | 08 | 13 | 180 | 127 | 26 | 26.3 | 32 | 24 | 215 |
| BT40-SFSB08-210-M127 | 08 | 13 | 210 | 127 | 56 | 26.3 | 36 | 24 | 245 |
| BT40-SFSB08-210-M157 | 08 | 13 | 210 | 157 | 26 | 29.5 | 36 | 24 | 245 |
| BT40-SFSB08-240-M157 | 08 | 13 | 240 | 157 | 56 | 29.5 | 42 | 24 | 275 |
| | | | | | | | | | |
| BT40-SFSB10-95-M42 | 10 | 16 | 95 | 42 | 26 | 20.4 | 32 | 30 | 130 |
| BT40-SFSB10-120-M67 | 10 | 16 | 120 | 67 | 26 | 23 | 32 | 30 | 155 |
| BT40-SFSB10-125-M42 | 10 | 16 | 125 | 42 | 56 | 20.4 | 32 | 30 | 160 |
| BT40-SFSB10-150-M67 | 10 | 16 | 150 | 67 | 56 | 23 | 32 | 30 | 185 |
| BT40-SFSB10-150-M97 | 10 | 16 | 150 | 97 | 26 | 26.2 | 32 | 30 | 185 |
| BT40-SFSB10-180-M97 | 10 | 16 | 180 | 97 | 56 | 26.2 | 32 | 30 | 215 |
| BT40-SFSB10-180-M127 | 10 | 16 | 180 | 127 | 26 | 29.3 | 42 | 30 | 215 |
| BT40-SFSB10-210-M127 | 10 | 16 | 210 | 127 | 56 | 29.3 | 50 | 30 | 245 |
| BT40-SFSB10-210-M157 | 10 | 16 | 210 | 157 | 26 | 32.5 | 42 | 30 | 245 |
| BT40-SFSB10-240-M127 | 10 | 16 | 240 | 127 | 86 | 29.3 | 50 | 30 | 275 |
| BT40-SFSB10-240-M157 | 10 | 16 | 240 | 157 | 56 | 32.5 | 50 | 30 | 275 |

## Shrink Chuck, 3°, Slim, Form B
## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





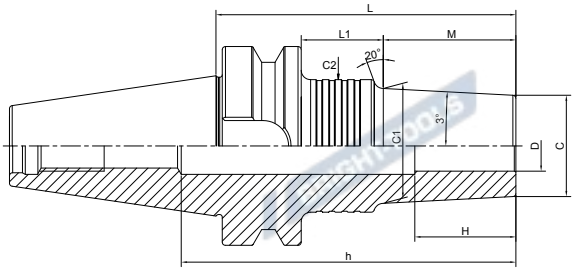

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT40-SFSB12-95-M42 | 12 | 19 | 95 | 42 | 26 | 23.4 | 32 | 30 | 130 |
| BT40-SFSB12-120-M67 | 12 | 19 | 120 | 67 | 26 | 26 | 32 | 30 | 155 |
| BT40-SFSB12-125-M42 | 12 | 19 | 125 | 42 | 56 | 23.4 | 32 | 30 | 160 |
| BT40-SFSB12-150-M67 | 12 | 19 | 150 | 67 | 56 | 26 | 32 | 30 | 185 |
| BT40-SFSB12-150-M97 | 12 | 19 | 150 | 97 | 26 | 29.2 | 42 | 30 | 185 |
| BT40-SFSB12-180-M97 | 12 | 19 | 180 | 97 | 56 | 29.2 | 50 | 30 | 215 |
| BT40-SFSB12-180-M127 | 12 | 19 | 180 | 127 | 26 | 32.3 | 42 | 30 | 215 |
| BT40-SFSB12-210-M97 | 12 | 19 | 210 | 97 | 86 | 29.2 | 50 | 30 | 245 |
| BT40-SFSB12-210-M127 | 12 | 19 | 210 | 127 | 56 | 32.3 | 50 | 30 | 245 |
| BT40-SFSB12-210-M157 | 12 | 19 | 210 | 157 | 26 | 35.5 | 42 | 30 | 245 |
| BT40-SFSB12-240-M127 | 12 | 19 | 240 | 127 | 86 | 32.3 | 50 | 30 | 275 |
| BT40-SFSB12-240-M157 | 12 | 19 | 240 | 157 | 56 | 35.5 | 50 | 30 | 275 |
| BT40-SFSB12-270-M157 | 12 | 19 | 270 | 157 | 86 | 35.5 | 50 | 30 | 305 |
| | | | | | | | | | |
| BT40-SFSB16-95-M42 | 16 | 24 | 95 | 42 | 26 | 28.4 | 42 | 32 | 105 |
| BT40-SFSB16-120-M67 | 16 | 24 | 120 | 67 | 26 | 31 | 42 | 32 | 130 |
| BT40-SFSB16-125-M42 | 16 | 24 | 125 | 42 | 56 | 28.4 | 42 | 32 | 135 |
| BT40-SFSB16-150-M67 | 16 | 24 | 150 | 67 | 56 | 31 | 42 | 32 | 160 |
| BT40-SFSB16-150-M97 | 16 | 24 | 150 | 97 | 26 | 34.2 | 42 | 32 | 160 |
| BT40-SFSB16-180-M97 | 16 | 24 | 180 | 97 | 56 | 34.2 | 50 | 32 | 190 |
| BT40-SFSB16-180-M127 | 16 | 24 | 180 | 127 | 26 | 37.3 | 53 | 32 | 190 |
| BT40-SFSB16-210-M97 | 16 | 24 | 210 | 97 | 86 | 34.2 | 50 | 32 | 220 |
| BT40-SFSB16-210-M127 | 16 | 24 | 210 | 127 | 56 | 37.3 | 50 | 32 | 220 |
| BT40-SFSB16-210-M157 | 16 | 24 | 210 | 157 | 26 | 40.5 | 53 | 32 | 220 |
| BT40-SFSB16-240-M127 | 16 | 24 | 240 | 127 | 86 | 37.3 | 53 | 32 | 250 |
| BT40-SFSB16-240-M157 | 16 | 24 | 240 | 157 | 56 | 40.5 | 50 | 32 | 250 |
| BT40-SFSB16-270-M157 | 16 | 24 | 270 | 157 | 86 | 40.5 | 50 | 32 | 280 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



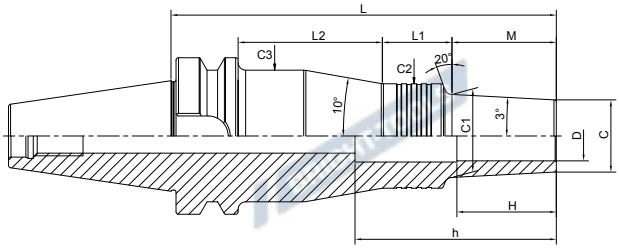



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT40-SFSB20-95-M42 | 20 | 29 | 95 | 42 | 26 | 33.4 | 42 | 40 | 105 |
| BT40-SFSB20-120-M67 | 20 | 29 | 120 | 67 | 26 | 36 | 42 | 40 | 130 |
| BT40-SFSB20-125-M42 | 20 | 29 | 125 | 42 | 56 | 33.4 | 42 | 40 | 135 |
| BT40-SFSB20-150-M67 | 20 | 29 | 150 | 67 | 56 | 36 | 42 | 40 | 160 |
| BT40-SFSB20-150-M97 | 20 | 29 | 150 | 97 | 26 | 39.2 | 53 | 40 | 160 |
| BT40-SFSB20-180-M67 | 20 | 29 | 180 | 67 | 86 | 36 | 50 | 40 | 190 |
| BT40-SFSB20-180-M97 | 20 | 29 | 180 | 97 | 56 | 39.2 | 50 | 40 | 190 |
| BT40-SFSB20-180-M127 | 20 | 29 | 180 | 127 | 26 | 42.3 | 53 | 40 | 190 |
| BT40-SFSB20-210-M97 | 20 | 29 | 210 | 97 | 86 | 39.2 | 50 | 40 | 220 |
| BT40-SFSB20-210-M127 | 20 | 29 | 210 | 127 | 56 | 42.3 | 50 | 40 | 220 |
| BT40-SFSB20-210-M157 | 20 | 29 | 210 | 157 | 26 | 45.5 | 50 | 40 | 220 |
| BT40-SFSB20-240-M127 | 20 | 29 | 240 | 127 | 86 | 42.3 | 50 | 40 | 250 |
| BT40-SFSB20-240-M157 | 20 | 29 | 240 | 157 | 56 | 45.5 | 50 | 40 | 250 |
| BT40-SFSB20-270-M157 | 20 | 29 | 270 | 157 | 86 | 45.5 | 50 | 40 | 280 |

## Shrink Chuck, 3°, Slim, Form B
## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





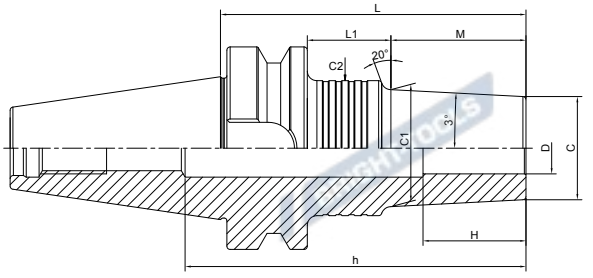

| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BT40-SFSB06-155-M42 | 06 | 10 | 155 | 42 | 33 | 53 | 14.4 | 25 | 39 | 18 | 190 |
| BT40-SFSB06-180-M67 | 06 | 10 | 180 | 67 | 33 | 53 | 17 | 25 | 39 | 18 | 215 |
| BT40-SFSB06-210-M97 | 06 | 10 | 210 | 97 | 30 | 56 | 20.2 | 32 | 46 | 18 | 245 |
| BT40-SFSB06-240-M127 | 06 | 10 | 240 | 127 | 30 | 56 | 23.3 | 32 | 46 | 18 | 275 |
| BT40-SFSB06-270-M157 | 06 | 10 | 270 | 157 | 30 | 56 | 26..5 | 32 | 46 | 18 | 305 |
| | | | | | | | | | | | |
| BT40-SFSB08-155-M42 | 08 | 13 | 155 | 42 | 30 | 56 | 17.4 | 32 | 46 | 24 | 190 |
| BT40-SFSB08-180-M67 | 08 | 13 | 180 | 67 | 30 | 56 | 20 | 32 | 46 | 24 | 215 |
| BT40-SFSB08-210-M97 | 08 | 13 | 210 | 97 | 30 | 56 | 23.2 | 32 | 46 | 24 | 245 |
| BT40-SFSB08-240-Ml 27 | 08 | 13 | 240 | 127 | 30 | 56 | 26.3 | 32 | 46 | 24 | 275 |
| BT40-SFSB08-270-M157 | 08 | 13 | 270 | 157 | 28 | 58 | 29.5 | 42 | 53 | 24 | 305 |
| | | | | | | | | | | | |
| BT40-SFSB10-155-M42 | 10 | 16 | 155 | 42 | 30 | 56 | 20.4 | 32 | 46 | 30 | 190 |
| BT40-SFSB10-180-M67 | 10 | 16 | 180 | 67 | 30 | 56 | 23 | 32 | 46 | 30 | 215 |
| BT40-SFSB10-210-M97 | 10 | 16 | 210 | 97 | 30 | 56 | 26.2 | 32 | 46 | 30 | 245 |
| BT40-SFSB10-270-M157 | 10 | 16 | 270 | 157 | 28 | 58 | 32.5 | 42 | 53 | 30 | 305 |
| | | | | | | | | | | | |
| BT40-SFSB12-155-M42 | 12 | 19 | 155 | 42 | 30 | 56 | 23.4 | 32 | 46 | 30 | 190 |
| BT40-SFSB12-180-M67 | 12 | 19 | 180 | 67 | 28 | 58 | 26 | 36 | 50 | 30 | 215 |
| | | | | | | | | | | | |
| BT40-SFSB16-155-M42 | 16 | 24 | 155 | 42 | 28 | 58 | 28.4 | 42 | 53 | 32 | 165 |
| BT40-SFSB16-180-M67 | 16 | 24 | 180 | 67 | 28 | 58 | 31 | 42 | 53 | 32 | 190 |
| | | | | | | | | | | | |
| BT40-SFSB20-155-M42 | 20 | 29 | 155 | 42 | 28 | 58 | 33.4 | 42 | 53 | 40 | 165 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



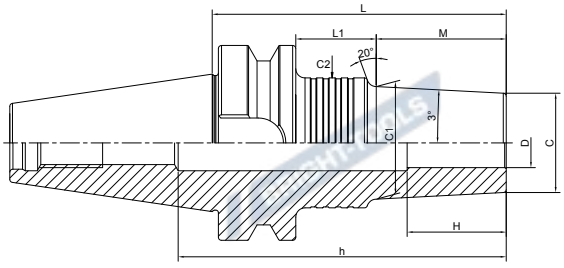



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT50-SFSB06-110-M42 | 06 | 10 | 110 | 42 | 30 | 14.4 | 25 | 18 | 165 |
| BT50-SFSB06-135-M67 | 06 | 10 | 135 | 67 | 30 | 17 | 25 | 18 | 190 |
| BT50-SFSB06-140-M42 | 06 | 10 | 140 | 42 | 60 | 14.4 | 25 | 18 | 195 |
| BT50-SFSB06-165-M67 | 06 | 10 | 165 | 67 | 60 | 17 | 25 | 18 | 220 |
| BT50-SFSB06-165-M97 | 06 | 10 | 165 | 97 | 30 | 20.2 | 32 | 18 | 220 |
| BT50-SFSB06-195-M97 | 06 | 10 | 195 | 97 | 60 | 20.2 | 32 | 18 | 250 |
| BT50-SFSB06-195-Ml 27 | 06 | 10 | 195 | 127 | 30 | 23.3 | 32 | 18 | 250 |
| BT50-SFSB06-225-M127 | 06 | 10 | 225 | 127 | 60 | 23.3 | 32 | 18 | 280 |
| BT50-SFSB06-225-M157 | 06 | 10 | 225 | 157 | 30 | 26.5 | 32 | 18 | 280 |
| BT50-SFSB06-255-M157 | 06 | 10 | 255 | 157 | 60 | 26.5 | 32 | 18 | 310 |
| | | | | | | | | | |
| BT50-SFSB08-110-M42 | 08 | 13 | 110 | 42 | 30 | 17.4 | 32 | 24 | 165 |
| BT50-SFSB08-135-M67 | 08 | 13 | 135 | 67 | 30 | 20 | 32 | 24 | 190 |
| BT50-SFSB08-140-M42 | 08 | 13 | 140 | 42 | 60 | 17.4 | 32 | 24 | 195 |
| BT50-SFSB08-165-M67 | 08 | 13 | 165 | 67 | 60 | 20 | 32 | 24 | 220 |
| BT50-SFSB08-165-M97 | 08 | 13 | 165 | 97 | 30 | 23.2 | 32 | 24 | 220 |
| BT50-SFSB08-195-M97 | 08 | 13 | 195 | 97 | 60 | 23.2 | 32 | 24 | 250 |
| BT50-SFSB08-195-M127 | 08 | 13 | 195 | 127 | 30 | 26.3 | 32 | 24 | 250 |
| BT50-SFSB08-225-M127 | 08 | 13 | 225 | 127 | 60 | 26.3 | 32 | 24 | 280 |
| BT50-SFSB08-225-M157 | 08 | 13 | 225 | 157 | 30 | 29.5 | 42 | 24 | 280 |
| BT50-SFSB08-255-M157 | 08 | 13 | 255 | 157 | 60 | 29.5 | 42 | 24 | 310 |

## Shrink Chuck, 3°, Slim, Form B
## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





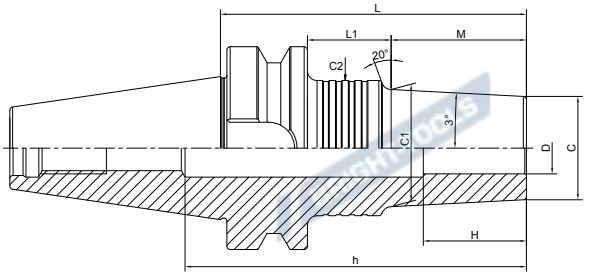

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT50-SFSB10-110-M42 | 10 | 16 | 110 | 42 | 30 | 20.4 | 32 | 30 | 165 |
| BT50-SFSB10-135-M67 | 10 | 16 | 135 | 67 | 30 | 23 | 32 | 30 | 190 |
| BT50-SFSB10-140-M42 | 10 | 16 | 140 | 42 | 60 | 20.4 | 32 | 30 | 195 |
| BT50-SFSB10-165-M67 | 10 | 16 | 165 | 67 | 60 | 23 | 32 | 30 | 220 |
| BT50-SFSB10-165-M97 | 10 | 16 | 165 | 97 | 30 | 26.2 | 32 | 30 | 220 |
| BT50-SFSB10-195-M97 | 10 | 16 | 195 | 97 | 60 | 26.2 | 32 | 30 | 250 |
| BT50-SFSB10-195-M127 | 10 | 16 | 195 | 127 | 30 | 29.3 | 42 | 30 | 250 |
| BT50-SFSB10-225-M127 | 10 | 16 | 225 | 127 | 60 | 29.3 | 42 | 30 | 280 |
| BT50-SFSB10-225-M157 | 10 | 16 | 225 | 157 | 30 | 32.5 | 42 | 30 | 280 |
| BT50-SFSB10-255-M157 | 10 | 16 | 255 | 157 | 60 | 32.5 | 42 | 30 | 310 |
| | | | | | | | | | |
| BT50-SFSB12-110-M42 | 12 | 19 | 110 | 42 | 30 | 23.4 | 32 | 30 | 165 |
| BT50-SFSB12-135-M67 | 12 | 19 | 135 | 67 | 30 | 26 | 32 | 30 | 190 |
| BT50-SFSB12-140-M42 | 12 | 19 | 140 | 42 | 60 | 23.4 | 32 | 30 | 195 |
| BT50-SFSB12-165-M67 | 12 | 19 | 165 | 67 | 60 | 26 | 32 | 30 | 220 |
| BT50-SFSB12-165-M97 | 12 | 19 | 165 | 97 | 30 | 29.2 | 42 | 30 | 220 |
| BT50-SFSB12-195-M97 | 12 | 19 | 195 | 97 | 60 | 29.2 | 42 | 30 | 250 |
| BT50-SFSB12-195-M127 | 12 | 19 | 195 | 127 | 30 | 32.3 | 42 | 30 | 250 |
| BT50-SFSB12-225-M127 | 12 | 19 | 225 | 127 | 60 | 32.3 | 42 | 30 | 280 |
| BT50-SFSB12-225-M157 | 12 | 19 | 225 | 157 | 30 | 35.5 | 42 | 30 | 280 |
| BT50-SFSB12-255-M157 | 12 | 19 | 255 | 157 | 60 | 35.5 | 42 | 30 | 310 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





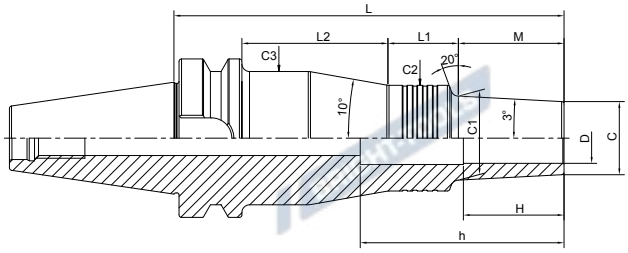

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT50-SFSB16-110-M42 | 16 | 24 | 110 | 42 | 30 | 28.4 | 42 | 32 | 165 |
| BT50-SFSB16-135-M67 | 16 | 24 | 135 | 67 | 30 | 31 | 42 | 32 | 190 |
| BT50-SFSB16-140-M42 | 16 | 24 | 140 | 42 | 60 | 28.4 | 42 | 32 | 195 |
| BT50-SFSB16-165-M67 | 16 | 24 | 165 | 67 | 60 | 31 | 42 | 32 | 220 |
| BT50-SFSB16-165-M97 | 16 | 24 | 165 | 97 | 30 | 34.2 | 42 | 32 | 220 |
| BT50-SFSB16-195-M97 | 16 | 24 | 195 | 97 | 60 | 34.2 | 42 | 32 | 250 |
| BT50-SFSB16-195-M127 | 16 | 24 | 195 | 127 | 30 | 37.3 | 53 | 32 | 250 |
| BT50-SFSB16-225-M127 | 16 | 24 | 225 | 127 | 60 | 37.3 | 53 | 32 | 280 |
| BT50-SFSB16-225-M157 | 16 | 24 | 225 | 157 | 30 | 40.5 | 53 | 32 | 280 |
| BT50-SFSB16-255-M157 | 16 | 24 | 255 | 157 | 60 | 40.5 | 53 | 32 | 310 |
| | | | | | | | | | |
| BT50-SFSB20-110-M42 | 20 | 29 | 110 | 42 | 30 | 33.4 | 42 | 40 | 165 |
| BT50-SFSB20-135-M67 | 20 | 29 | 135 | 67 | 30 | 36 | 42 | 40 | 190 |
| BT50-SFSB20-140-M42 | 20 | 29 | 140 | 42 | 60 | 33.4 | 42 | 40 | 195 |
| BT50-SFSB20-165-M67 | 20 | 29 | 165 | 67 | 60 | 36 | 42 | 40 | 220 |
| BT50-SFSB20-165-M97 | 20 | 29 | 165 | 97 | 30 | 39.2 | 53 | 40 | 220 |
| BT50-SFSB20-195-M97 | 20 | 29 | 195 | 97 | 60 | 39.2 | 53 | 40 | 250 |
| BT50-SFSB20-195-M127 | 20 | 29 | 195 | 127 | 30 | 42.3 | 53 | 40 | 250 |
| BT50-SFSB20-225-M127 | 20 | 29 | 225 | 127 | 60 | 42.3 | 53 | 40 | 280 |
| BT50-SFSB20-225-M157 | 20 | 29 | 225 | 157 | 30 | 45.5 | 53 | 40 | 280 |
| BT50-SFSB20-255-M157 | 20 | 29 | 255 | 157 | 60 | 45.5 | 53 | 40 | 310 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





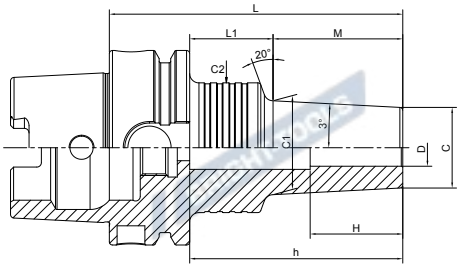

| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BT50-SFSB06-170-M42 | 06 | 10 | 170 | 42 | 33 | 57 | 14.4 | 25 | 39 | 18 | 225 |
| BT50-SFSB06-195-M67 | 06 | 10 | 195 | 67 | 33 | 57 | 17 | 25 | 39 | 18 | 250 |
| BT50-SFSB06-225-M97 | 06 | 10 | 225 | 97 | 30 | 60 | 20.2 | 32 | 46 | 18 | 280 |
| BT50-SFSB06-255-M127 | 06 | 10 | 255 | 127 | 30 | 60 | 23.3 | 32 | 46 | 18 | 310 |
| BT50-SFSB06-285-M157 | 06 | 10 | 285 | 157 | 30 | 60 | 26.5 | 32 | 46 | 18 | 340 |
| BT50-SFSB08-170-M42 | 08 | 13 | 170 | 42 | 30 | 60 | 17.4 | 32 | 46 | 24 | 225 |
| BT50-SFSB08-195-M67 | 08 | 13 | 195 | 67 | 30 | 60 | 20 | 32 | 46 | 24 | 250 |
| BT50-SFSB08-225-M97 | 08 | 13 | 225 | 97 | 30 | 60 | 23.2 | 32 | 46 | 24 | 280 |
| BT50-SFSB08-255-M127 | 08 | 13 | 255 | 127 | 30 | 60 | 26.3 | 32 | 46 | 24 | 310 |
| BT50-SFSB08-285-M157 | 08 | 13 | 285 | 157 | 28 | 62 | 29.5 | 42 | 56 | 24 | 340 |
| BT50-SFSB10-170-M42 | 10 | 16 | 170 | 42 | 28 | 62 | 20.4 | 36 | 50 | 30 | 225 |
| BT50-SFSB10-195-M67 | 10 | 16 | 195 | 67 | 30 | 60 | 23 | 32 | 46 | 30 | 250 |
| BT50-SFSB10-225-M97 | 10 | 16 | 225 | 97 | 30 | 60 | 26.2 | 32 | 46 | 30 | 280 |
| BT50-SFSB10-255-M127 | 10 | 16 | 255 | 127 | 28 | 62 | 29.3 | 42 | 56 | 30 | 310 |
| BT50-SFSB10-285-M157 | 10 | 16 | 285 | 157 | 28 | 62 | 32.5 | 42 | 56 | 30 | 340 |
| BT50-SFSB12-170-M42 | 12 | 19 | 170 | 42 | 28 | 62 | 23.4 | 36 | 50 | 30 | 225 |
| BT50-SFSB12-195-M67 | 12 | 19 | 195 | 67 | 30 | 60 | 26 | 32 | 46 | 30 | 250 |
| BT50-SFSB12-225-M97 | 12 | 19 | 225 | 97 | 28 | 62 | 29.2 | 42 | 56 | 30 | 280 |
| BT50-SFSB12-225-M127 | 12 | 19 | 255 | 127 | 28 | 62 | 32.3 | 42 | 56 | 30 | 310 |
| BT50-SFSB12-285-M157 | 12 | 19 | 285 | 157 | 28 | 62 | 35.5 | 42 | 56 | 30 | 340 |
| BT50-SFSB16-170-M42 | 16 | 24 | 170 | 42 | 28 | 62 | 28.4 | 42 | 56 | 32 | 225 |
| BT50-SFSB16-195-M67 | 16 | 24 | 195 | 67 | 28 | 62 | 31.0 | 42 | 56 | 32 | 250 |
| BT50-SFSB16-225-M97 | 16 | 24 | 225 | 97 | 28 | 62 | 34.2 | 42 | 56 | 32 | 280 |
| BT50-SFSB16-255-M127 | 16 | 24 | 255 | 127 | 28 | 62 | 37.3 | 53 | 67 | 32 | 310 |
| BT50-SFSB16-285-M157 | 16 | 24 | 285 | 157 | 28 | 62 | 40.5 | 53 | 67 | 32 | 340 |
| BT50-SFSB20-170-M42 | 20 | 29 | 170 | 42 | 28 | 62 | 33.4 | 42 | 58 | 40 | 225 |
| BT50-SFSB20-195-M67 | 20 | 29 | 195 | 67 | 28 | 62 | 36.0 | 42 | 58 | 40 | 250 |
| BT50-SFSB20-225-M97 | 20 | 29 | 225 | 97 | 28 | 62 | 39.2 | 53 | 67 | 40 | 280 |
| BT50-SFSB20-255-M127 | 20 | 29 | 255 | 127 | 28 | 62 | 42.3 | 53 | 67 | 40 | 310 |
| BT50-SFSB20-285-M157 | 20 | 29 | 285 | 157 | 28 | 62 | 45.5 | 53 | 67 | 40 | 340 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





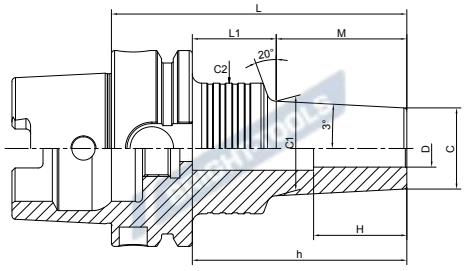

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFSB06-95-M42 | 06 | 10 | 95 | 42 | 27 | 14.4 | 25 | 18 | 70 |
| HSK63A-SFSB06-120-M67 | 06 | 10 | 120 | 67 | 27 | 17 | 25 | 18 | 95 |
| HSK63A-SFSB06-125-M42 | 06 | 10 | 125 | 42 | 57 | 14.4 | 25 | 18 | 100 |
| HSK63A-SFSB06-150-M67 | 06 | 10 | 150 | 67 | 57 | 17 | 25 | 18 | 125 |
| HSK63A-SFSB06-150-M97 | 06 | 10 | 150 | 97 | 27 | 20.2 | 32 | 18 | 124 |
| HSK63A-SFSB06-180-M97 | 06 | 10 | 180 | 97 | 57 | 20.2 | 32 | 18 | 154 |
| HSK63A-SFSB06-180-M127 | 06 | 10 | 180 | 127 | 27 | 23.3 | 32 | 18 | 154 |
| HSK63A-SFSB06-210-M127 | 06 | 10 | 210 | 127 | 57 | 23.3 | 32 | 18 | 184 |
| HSK63A-SFSB06-210-M157 | 06 | 10 | 210 | 157 | 27 | 26.5 | 32 | 18 | 184 |
| HSK63A-SFSB06-240-M157 | 06 | 10 | 240 | 157 | 57 | 26.5 | 32 | 18 | 214 |
| | | | | | | | | | |
| HSK63A-SFSB08-95-M42 | 08 | 13 | 95 | 42 | 27 | 17.4 | 32 | 24 | 69 |
| HSK63A-SFSB08-120-M67 | 08 | 13 | 120 | 67 | 27 | 20 | 32 | 24 | 94 |
| HSK63A-SFSB08-125-M42 | 08 | 13 | 125 | 42 | 57 | 17.4 | 32 | 24 | 99 |
| HSK63A-SFSB08-150-M67 | 08 | 13 | 150 | 67 | 57 | 20 | 32 | 24 | 124 |
| HSK63A-SFSB08-150-M97 | 08 | 13 | 150 | 97 | 27 | 23.2 | 32 | 24 | 124 |
| HSK63A-SFSB08-180-M97 | 08 | 13 | 180 | 97 | 57 | 23.2 | 32 | 24 | 154 |
| HSK63A-SFSB08-180-M127 | 08 | 13 | 180 | 127 | 27 | 26.3 | 32 | 24 | 154 |
| HSK63A-SFSB08-210-M127 | 08 | 13 | 210 | 127 | 57 | 26.3 | 32 | 24 | 184 |
| HSK63A-SFSB08-210-M157 | 08 | 13 | 210 | 157 | 27 | 29.5 | 42 | 24 | 185 |
| HSK63A-SFSB08-240-M157 | 08 | 13 | 240 | 157 | 57 | 29.5 | 42 | 24 | 214 |
| | | | | | | | | | |
| HSK63A-SFSB10-95-M42 | 10 | 16 | 95 | 42 | 27 | 20.4 | 32 | 30 | 69 |
| HSK63A-SFSB10-120-M67 | 10 | 16 | 120 | 67 | 27 | 23 | 32 | 30 | 94 |
| HSK63A-SFSB10-125-M42 | 10 | 16 | 125 | 42 | 57 | 20.4 | 32 | 30 | 99 |
| HSK63A-SFSB10-150-M67 | 10 | 16 | 150 | 67 | 57 | 23 | 32 | 30 | 124 |
| HSK63A-SFSB10-150-M97 | 10 | 16 | 150 | 97 | 27 | 26.2 | 32 | 30 | 124 |
| HSK63A-SFSB10-180-M97 | 10 | 16 | 180 | 97 | 57 | 26.2 | 32 | 30 | 154 |
| HSK63A-SFSB10-180-M127 | 10 | 16 | 180 | 127 | 27 | 29.3 | 42 | 30 | 155 |
| HSK63A-SFSB10-210-M127 | 10 | 16 | 210 | 127 | 57 | 29.3 | 42 | 30 | 182 |
| HSK63A-SFSB10-210-M157 | 10 | 16 | 210 | 157 | 27 | 32.5 | 42 | 30 | 185 |
| HSK63A-SFSB10-240-M127 | 10 | 16 | 240 | 127 | 87 | 29.3 | 42 | 30 | 215 |
| HSK63A-SFSB10-240-M157 | 10 | 16 | 240 | 157 | 57 | 32.5 | 42 | 30 | 215 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





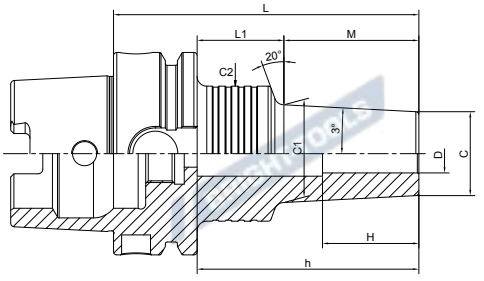

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFSB12-95-M42 | 12 | 19 | 95 | 42 | 27 | 23.4 | 32 | 30 | 69 |
| HSK63A-SFSB12-120-M67 | 12 | 19 | 120 | 67 | 27 | 26 | 32 | 30 | 94 |
| HSK63A-SFSB12-125-M42 | 12 | 19 | 125 | 42 | 57 | 23.4 | 32 | 30 | 99 |
| HSK63A-SFSB12-150-M67 | 12 | 19 | 150 | 67 | 57 | 26 | 32 | 30 | 124 |
| HSK63A-SFSB12-150-M97 | 12 | 19 | 150 | 97 | 27 | 29.2 | 42 | 30 | 125 |
| HSK63A-SFSB12-180-M97 | 12 | 19 | 180 | 97 | 57 | 29.2 | 42 | 30 | 152 |
| HSK63A-SFSB12-180-M127 | 12 | 19 | 180 | 127 | 27 | 32.3 | 42 | 30 | 155 |
| HSK63A-SFSB12-210-M97 | 12 | 19 | 210 | 97 | 87 | 29.2 | 50 | 30 | 180 |
| HSK63A-SFSB12-210-M127 | 12 | 19 | 210 | 127 | 57 | 32.3 | 50 | 30 | 180 |
| HSK63A-SFSB12-210-M157 | 12 | 19 | 210 | 157 | 27 | 35.5 | 42 | 30 | 185 |
| HSK63A-SFSB12-240-M127 | 12 | 19 | 240 | 127 | 87 | 32.3 | 50 | 30 | 215 |
| HSK63A-SFSB12-240-M157 | 12 | 19 | 240 | 157 | 57 | 35.5 | 50 | 30 | 215 |
| | | | | | | | | | |
| HSK63A-SFSB16-95-M42 | 16 | 24 | 95 | 42 | 27 | 28.4 | 42 | 32 | 70 |
| HSK63A-SFSB16-120-M67 | 16 | 24 | 120 | 67 | 27 | 31 | 42 | 32 | 95 |
| HSK63A-SFSB16-125-M42 | 16 | 24 | 125 | 42 | 57 | 28.4 | 42 | 32 | 97 |
| HSK63A-SFSB16-150-M67 | 16 | 24 | 150 | 67 | 57 | 31 | 42 | 32 | 122 |
| HSK63A-SFSB16-150-M97 | 16 | 24 | 150 | 97 | 27 | 34.2 | 42 | 32 | 125 |
| HSK63A-SFSB16-155-M42 | 16 | 24 | 155 | 42 | 87 | 28.4 | 50 | 32 | 130 |
| HSK63A-SFSB16-180-M97 | 16 | 24 | 180 | 97 | 57 | 34.2 | 42 | 32 | 152 |
| HSK63A-SFSB16-180-M127 | 16 | 24 | 180 | 127 | 27 | 37.3 | 53 | 32 | 155 |
| HSK63A-SFSB16-210-M97 | 16 | 24 | 210 | 97 | 87 | 34.2 | 50 | 32 | 185 |
| HSK63A-SFSB16-210-M127 | 16 | 24 | 210 | 127 | 57 | 37.3 | 53 | 32 | 181 |
| HSK63A-SFSB16-210-M157 | 16 | 24 | 210 | 157 | 27 | 40.5 | 53 | 32 | 185 |
| HSK63A-SFSB16-240-M127 | 16 | 24 | 240 | 127 | 87 | 37.3 | 53 | 32 | 211 |
| HSK63A-SFSB16-240-M157 | 16 | 24 | 240 | 157 | 57 | 40.5 | 50 | 32 | 215 |
| HSK63A-SFSB16-270-M157 | 16 | 24 | 270 | 157 | 87 | 40.5 | 53 | 32 | 241 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



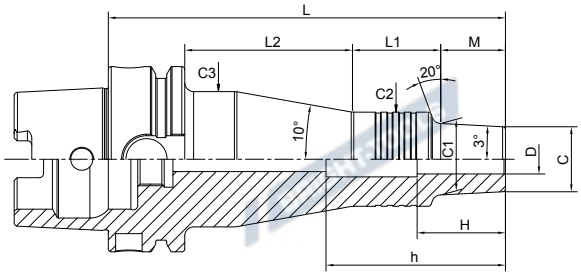



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFSB20-95-M42 | 20 | 29 | 95 | 42 | 27 | 33.4 | 42 | 40 | 70 |
| HSK63A-SFSB20-120-M67 | 20 | 29 | 120 | 67 | 27 | 36 | 42 | 40 | 95 |
| HSK63A-SFSB20-125-M42 | 20 | 29 | 125 | 42 | 57 | 33.4 | 42 | 40 | 97 |
| HSK63A-SFSB20-150-M67 | 20 | 29 | 150 | 67 | 57 | 36 | 42 | 40 | 122 |
| HSK63A-SFSB20-150-M97 | 20 | 29 | 150 | 97 | 27 | 39.2 | 53 | 40 | 125 |
| HSK63A-SFSB20-155-M42 | 20 | 29 | 155 | 42 | 87 | 33.4 | 50 | 40 | 130 |
| HSK63A-SFSB20-180-M97 | 20 | 29 | 180 | 97 | 57 | 39.2 | 53 | 40 | 151 |
| HSK63A-SFSB20-180-M127 | 20 | 29 | 180 | 127 | 27 | 42.3 | 53 | 40 | 155 |
| HSK63A-SFSB20-210-M97 | 20 | 29 | 210 | 97 | 87 | 39.2 | 53 | 40 | 181 |
| HSK63A-SFSB20-210-M127 | 20 | 29 | 210 | 127 | 57 | 42.3 | 53 | 40 | 181 |
| HSK63A-SFSB20-210-M157 | 20 | 29 | 210 | 157 | 27 | 45.5 | 53 | 40 | 185 |
| HSK63A-SFSB20-240-M127 | 20 | 29 | 240 | 127 | 87 | 42.3 | 50 | 40 | 215 |
| HSK63A-SFSB20-240-M157 | 20 | 29 | 240 | 157 | 57 | 45.5 | 53 | 40 | 211 |
| HSK63A-SFSB20-270-M157 | 20 | 29 | 270 | 157 | 87 | 45.5 | 50 | 40 | 245 |

## Shrink Chuck, 3°, Slim, Form B
## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





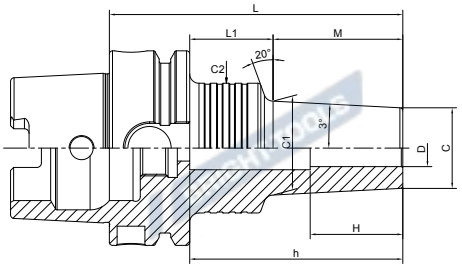

| Size | D | C | L | M | L1 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFSB06-155-M42 | 06 | 10 | 155 | 42 | 33 | 14.4 | 25 | 39 | 18 | 130 |
| HSK63A-SFSB06-180-M67 | 06 | 10 | 180 | 67 | 33 | 17 | 25 | 39 | 18 | 155 |
| HSK63A-SFSB06-210-M97 | 06 | 10 | 210 | 97 | 30 | 20.2 | 32 | 46 | 18 | 184 |
| HSK63A-SFSB06-240-M127 | 06 | 10 | 240 | 127 | 30 | 23.3 | 32 | 46 | 18 | 214 |
| HSK63A-SFSB06-270-M157 | 06 | 10 | 270 | 157 | 30 | 26.5 | 32 | 46 | 18 | 244 |
| | | | | | | | | | | |
| HSK63A-SFSB08-155-M42 | 08 | 13 | 155 | 42 | 30 | 17.4 | 32 | 46 | 24 | 129 |
| HSK63A-SFSB08-180-M67 | 08 | 13 | 180 | 67 | 30 | 20 | 32 | 46 | 24 | 154 |
| HSK63A-SFSB08-210-M97 | 08 | 13 | 210 | 97 | 30 | 23.2 | 32 | 46 | 24 | 184 |
| HSK63A-SFSB08-240-M127 | 08 | 13 | 240 | 127 | 30 | 26.3 | 32 | 46 | 24 | 214 |
| HSK63A-SFSB08-270-M157 | 08 | 13 | 270 | 157 | 28 | 29.5 | 42 | 53 | 24 | 242 |
| | | | | | | | | | | |
| HSK63A-SFSB10-155-M42 | 10 | 16 | 155 | 42 | 28 | 20.4 | 36 | 50 | 30 | 128 |
| HSK63A-SFSB10-180-M67 | 10 | 16 | 180 | 67 | 30 | 23 | 32 | 46 | 30 | 154 |
| HSK63A-SFSB10-210-M97 | 10 | 16 | 210 | 97 | 28 | 26.2 | 36 | 50 | 30 | 180 |
| HSK63A-SFSB10-270-M157 | 10 | 16 | 270 | 157 | 28 | 32.5 | 42 | 53 | 30 | 245 |
| | | | | | | | | | | |
| HSK63A-SFSB12-155-M42 | 12 | 19 | 155 | 42 | 30 | 23.4 | 32 | 46 | 30 | 129 |
| HSK63A-SFSB12-180-M67 | 12 | 19 | 180 | 67 | 30 | 26 | 32 | 46 | 30 | 154 |
| HSK63A-SFSB12-270-M157 | 12 | 19 | 270 | 157 | 28 | 35.5 | 42 | 53 | 30 | 242 |
| | | | | | | | | | | |
| HSK63A-SFSB16-180-M67 | 16 | 24 | 180 | 67 | 28 | 31 | 42 | 53 | 32 | 152 |
| HSK63A-SFSB20-180-M67 | 20 | 29 | 180 | 67 | 28 | 36.0 | 42 | 53 | 40 | 152 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





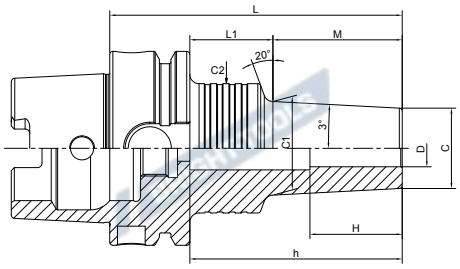

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFSB06-110-M42 | 06 | 10 | 110 | 42 | 39 | 14.4 | 25 | 18 | 81 |
| HSK100A-SFSB06-135-M67 | 06 | 10 | 135 | 67 | 39 | 17 | 25 | 18 | 106 |
| HSK100A-SFSB06-140-M42 | 06 | 10 | 140 | 42 | 69 | 14.4 | 25 | 18 | 111 |
| HSK100A-SFSB06-165-M67 | 06 | 10 | 165 | 67 | 69 | 17 | 25 | 18 | 136 |
| HSK100A-SFSB06-165-M97 | 06 | 10 | 165 | 97 | 39 | 20.2 | 32 | 18 | 136 |
| HSK100A-SFSB06-195-M97 | 06 | 10 | 195 | 97 | 69 | 20.2 | 36 | 18 | 165 |
| HSK100A-SFSB06-195-M127 | 06 | 10 | 195 | 127 | 39 | 23.3 | 32 | 18 | 166 |
| HSK100A-SFSB06-225-M127 | 06 | 10 | 225 | 127 | 69 | 23.3 | 32 | 18 | 196 |
| HSK100A-SFSB06-225-M157 | 06 | 10 | 225 | 157 | 39 | 26.5 | 32 | 18 | 196 |
| HSK100A-SFSB06-255-M157 | 06 | 10 | 255 | 157 | 39 | 26.5 | 32 | 18 | 226 |
| | | | | | | | | | |
| HSK100A-SFSB08-110-M42 | 08 | 13 | 110 | 42 | 39 | 17.4 | 32 | 24 | 81 |
| HSK100A-SFSB08-135-M67 | 08 | 13 | 135 | 67 | 39 | 20 | 32 | 24 | 106 |
| HSK100A-SFSB08-140-M42 | 08 | 13 | 140 | 42 | 69 | 17.4 | 32 | 24 | 111 |
| HSK100A-SFSB08-165-M67 | 08 | 13 | 165 | 67 | 69 | 20 | 32 | 24 | 136 |
| HSK100A-SFSB08-165-M97 | 08 | 13 | 165 | 97 | 39 | 23.2 | 32 | 24 | 136 |
| HSK100A-SFSB08-195-M97 | 08 | 13 | 195 | 97 | 69 | 23.2 | 32 | 24 | 166 |
| HSK100A-SFSB08-195-M127 | 08 | 13 | 195 | 127 | 39 | 26.3 | 32 | 24 | 166 |
| HSK100A-SFSB08-225-M127 | 08 | 13 | 225 | 127 | 69 | 26.3 | 32 | 24 | 196 |
| HSK100A-SFSB08-225-M157 | 08 | 13 | 225 | 157 | 39 | 29.5 | 42 | 24 | 196 |
| HSK100A-SFSB08-255-M157 | 08 | 13 | 255 | 157 | 69 | 29.5 | 42 | 24 | 226 |
| | | | | | | | | | |
| HSK100A-SFSB10-110-M42 | 10 | 16 | 110 | 42 | 39 | 20.4 | 32 | 30 | 81 |
| HSK100A-SFSB10-135-M67 | 10 | 16 | 135 | 67 | 39 | 23 | 32 | 30 | 106 |
| HSK100A-SFSB10-140-M42 | 10 | 16 | 140 | 42 | 69 | 20.4 | 32 | 30 | 111 |
| HSK100A-SFSB10-165-M67 | 10 | 16 | 165 | 67 | 69 | 23 | 32 | 30 | 136 |
| HSK100A-SFSB10-165-M97 | 10 | 16 | 165 | 97 | 39 | 26.2 | 32 | 30 | 136 |
| HSK100A-SFSB10-195-M97 | 10 | 16 | 195 | 97 | 69 | 26.2 | 32 | 30 | 166 |
| HSK100A-SFSB10-195-M127 | 10 | 16 | 195 | 127 | 39 | 29.3 | 42 | 30 | 166 |
| HSK100A-SFSB10-225-M127 | 10 | 16 | 225 | 127 | 69 | 29.3 | 42 | 30 | 196 |
| HSK100A-SFSB10-225-M157 | 10 | 16 | 225 | 157 | 39 | 32.5 | 42 | 30 | 196 |
| HSK100A-SFSB10-255-M127 | 10 | 16 | 255 | 127 | 99 | 29.3 | 50 | 30 | 225 |
| HSK100A-SFSB10-255-M157 | 10 | 16 | 255 | 157 | 69 | 32.5 | 42 | 30 | 226 |
| HSK100A-SFSB10-285-M157 | 10 | 16 | 285 | 157 | 99 | 32.5 | 50 | 30 | 255 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





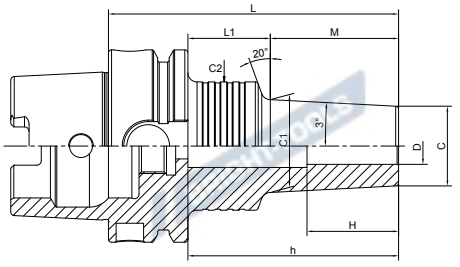

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFSB12-110-M42 | 12 | 19 | 110 | 42 | 39 | 23.4 | 32 | 30 | 79 |
| HSK100A-SFSB12-135-M67 | 12 | 19 | 135 | 67 | 39 | 26 | 32 | 30 | 104 |
| HSK100A-SFSB12-140-M42 | 12 | 19 | 140 | 42 | 69 | 23.4 | 32 | 30 | 109 |
| HSK100A-SFSB12-165-M67 | 12 | 19 | 165 | 67 | 69 | 26 | 32 | 30 | 134 |
| HSK100A-SFSB12-165-M97 | 12 | 19 | 165 | 97 | 39 | 29.2 | 42 | 30 | 133 |
| HSK100A-SFSB12-195-M97 | 12 | 19 | 195 | 97 | 69 | 29.2 | 50 | 30 | 160 |
| HSK100A-SFSB12-195-M127 | 12 | 19 | 195 | 127 | 39 | 32.3 | 42 | 30 | 163 |
| HSK100A-SFSB12-225-M97 | 12 | 19 | 225 | 97 | 99 | 29.2 | 50 | 30 | 190 |
| HSK100A-SFSB12-225-M127 | 12 | 19 | 225 | 127 | 69 | 32.3 | 42 | 30 | 192 |
| HSK100A-SFSB12-225-M157 | 12 | 19 | 225 | 157 | 39 | 35.5 | 42 | 30 | 193 |
| HSK100A-SFSB12-255-M127 | 12 | 19 | 255 | 127 | 28 | 32.3 | 42 | 30 | 222 |
| HSK100A-SFSB12-255-M157 | 12 | 19 | 255 | 157 | 69 | 35.5 | 42 | 30 | 222 |
| HSK100A-SFSB12-285-M157 | 12 | 19 | 285 | 157 | 28 | 35.5 | 42 | 30 | 252 |
| | | | | | | | | | |
| HSK100A-SFSB16-110-M42 | 16 | 24 | 110 | 42 | 39 | 28.4 | 42 | 32 | 78 |
| HSK100A-SFSB16-135-M67 | 16 | 24 | 135 | 67 | 39 | 31 | 42 | 32 | 103 |
| HSK100A-SFSB16-140-M42 | 16 | 24 | 140 | 42 | 69 | 28.4 | 42 | 32 | 107 |
| HSK100A-SFSB16-165-M67 | 16 | 24 | 165 | 67 | 69 | 31 | 42 | 32 | 132 |
| HSK100A-SFSB16-165-M97 | 16 | 24 | 165 | 97 | 39 | 34.2 | 42 | 32 | 133 |
| HSK100A-SFSB16-170-M42 | 16 | 24 | 170 | 42 | 99 | 28.4 | 50 | 32 | 135 |
| HSK100A-SFSB16-195-M67 | 16 | 24 | 195 | 67 | 99 | 31 | 50 | 32 | 160 |
| HSK100A-SFSB16-195-M97 | 16 | 24 | 195 | 97 | 69 | 34.2 | 42 | 32 | 162 |
| HSK100A-SFSB16-195-M127 | 16 | 24 | 195 | 127 | 39 | 37.3 | 50 | 32 | 160 |
| HSK100A-SFSB16-225-M97 | 16 | 24 | 225 | 97 | 99 | 34.2 | 50 | 32 | 190 |
| HSK100A-SFSB16-225-M127 | 16 | 24 | 225 | 127 | 69 | 37.3 | 53 | 32 | 193 |
| HSK100A-SFSB16-225-M157 | 16 | 24 | 225 | 157 | 39 | 40.5 | 53 | 32 | 220 |
| HSK100A-SFSB16-255-M157 | 16 | 24 | 255 | 157 | 69 | 40.5 | 53 | 32 | 220 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





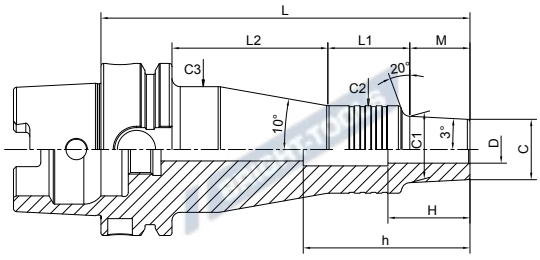

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFSB20-110-M42 | 20 | 29 | 110 | 42 | 39 | 33.4 | 42 | 40 | 78 |
| HSK100A-SFSB20-135-M67 | 20 | 29 | 135 | 67 | 39 | 36 | 42 | 40 | 103 |
| HSK100A-SFSB20-140-M42 | 20 | 29 | 140 | 42 | 69 | 33.4 | 42 | 40 | 107 |
| HSK100A-SFSB20-165-M67 | 20 | 29 | 165 | 67 | 69 | 36 | 42 | 40 | 132 |
| HSK100A-SFSB20-165-M97 | 20 | 29 | 165 | 97 | 39 | 39.2 | 53 | 40 | 133 |
| HSK100A-SFSB20-195-M67 | 20 | 29 | 195 | 67 | 28 | 36 | 42 | 40 | 162 |
| HSK100A-SFSB20-195-M97 | 20 | 29 | 195 | 97 | 69 | 39.2 | 53 | 40 | 162 |
| HSK100A-SFSB20-195-M127 | 20 | 29 | 195 | 127 | 39 | 42.3 | 53 | 40 | 163 |
| HSK100A-SFSB20-225-M97 | 20 | 29 | 225 | 97 | 28 | 39.2 | 53 | 40 | 190 |
| HSK100A-SFSB20-225-M127 | 20 | 29 | 225 | 127 | 69 | 42.3 | 50 | 40 | 190 |
| HSK100A-SFSB20-225-M157 | 20 | 29 | 225 | 157 | 39 | 45.5 | 53 | 40 | 193 |
| HSK100A-SFSB20-255-M127 | 20 | 29 | 255 | 127 | 99 | 42.3 | 50 | 40 | 220 |
| HSK100A-SFSB20-255-M157 | 20 | 29 | 255 | 157 | 69 | 45.5 | 53 | 40 | 220 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





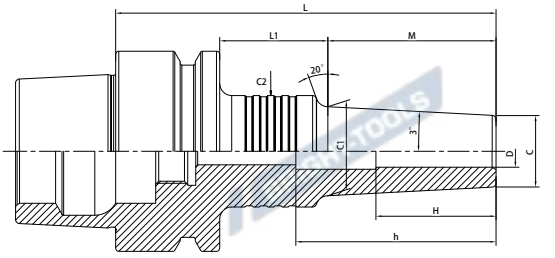

| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFSB06-170-M42 | 06 | 10 | 170 | 42 | 33 | 66 | 14.4 | 26 | 40 | 18 | 140 |
| HSK100A-SFSB06-195-M67 | 06 | 10 | 195 | 67 | 33 | 66 | 17 | 25 | 39 | 18 | 166 |
| HSK100A-SFSB06-225-M97 | 06 | 10 | 225 | 97 | 28 | 71 | 20.2 | 36 | 50 | 18 | 195 |
| HSK100A-SFSB06-255-M127 | 06 | 10 | 255 | 127 | 30 | 69 | 23.3 | 32 | 46 | 18 | 226 |
| HSK100A-SFSB06-285-M157 | 06 | 10 | 285 | 157 | 30 | 69 | 26.5 | 32 | 46 | 18 | 256 |
| | | | | | | | | | | | |
| HSK100A-SFSB08-170-M42 | 08 | 13 | 170 | 42 | 28 | 71 | 17.4 | 36 | 50 | 24 | 140 |
| HSK100A-SFSB08-195-M67 | 08 | 13 | 195 | 67 | 30 | 69 | 20 | 32 | 46 | 24 | 166 |
| HSK100A-SFSB08-225-M97 | 08 | 13 | 225 | 97 | 30 | 69 | 23.2 | 32 | 46 | 24 | 196 |
| HSK100A-SFSB08-255-M127 | 08 | 13 | 255 | 127 | 30 | 69 | 26.3 | 32 | 46 | 24 | 226 |
| HSK100A-SFSB08-285-M157 | 08 | 13 | 285 | 157 | 28 | 71 | 29.5 | 42 | 56 | 24 | 256 |
| | | | | | | | | | | | |
| HSK100A-SFSB10-170-M42 | 10 | 16 | 170 | 42 | 30 | 69 | 20.4 | 32 | 46 | 30 | 141 |
| HSK100A-SFSB10-195-M67 | 10 | 16 | 195 | 67 | 30 | 69 | 23 | 32 | 46 | 30 | 166 |
| HSK100A-SFSB10-225-M97 | 10 | 16 | 225 | 97 | 30 | 69 | 26.2 | 32 | 46 | 30 | 196 |
| | | | | | | | | | | | |
| HSK100A-SFSB12-170-M42 | 12 | 19 | 170 | 42 | 28 | 71 | 23.4 | 36 | 50 | 30 | 135 |
| HSK100A-SFSB12-195-M67 | 12 | 19 | 195 | 67 | 30 | 69 | 26 | 32 | 46 | 30 | 164 |
| HSK100A-SFSB12-255-M127 | 12 | 19 | 255 | 127 | 28 | 71 | 32.3 | 42 | 56 | 30 | 222 |
| HSK100A-SFSB12-285-M157 | 12 | 19 | 285 | 157 | 28 | 71 | 35.5 | 42 | 56 | 30 | 252 |
| | | | | | | | | | | | |
| HSK100A-SFSB16-255-M127 | 16 | 24 | 255 | 127 | 28 | 71 | 37.3 | 53 | 67 | 32 | 220 |
| HSK100A-SFSB16-285-M157 | 16 | 24 | 285 | 157 | 28 | 71 | 40.5 | 53 | 67 | 32 | 250 |
| | | | | | | | | | | | |
| HSK100A-SFSB20-170-M42 | 20 | 29 | 170 | 42 | 28 | 71 | 33.4 | 42 | 56 | 40 | 137 |
| HSK100A-SFSB20-195-M67 | 20 | 29 | 195 | 67 | 28 | 71 | 36 | 42 | 56 | 40 | 162 |
| HSK100A-SFSB20-225-M97 | 20 | 29 | 225 | 97 | 28 | 71 | 39 | 53 | 67 | 40 | 190 |
| HSK100A-SFSB20-285-M157 | 20 | 29 | 285 | 157 | 28 | 71 | 45.5 | 53 | 67 | 40 | 250 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





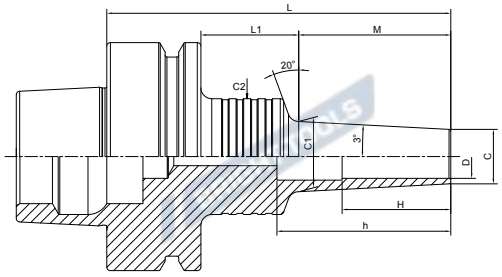

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK50E-SFSB06-95-M42 | 06 | 10 | 95 | 42 | 27 | 14.4 | 25 | 18 | 81 |
| HSK50E-SFSB06-120-M67 | 06 | 10 | 120 | 67 | 27 | 17 | 25 | 18 | 106 |
| HSK50E-SFSB06-150-M97 | 06 | 10 | 150 | 97 | 27 | 20.2 | 32 | 18 | 135 |
| | | | | | | | | | |
| HSK50E-SFSB08-95-M42 | 08 | 13 | 95 | 42 | 27 | 17.4 | 32 | 24 | 80 |
| HSK50E-SFSB08-120-M67 | 08 | 13 | 120 | 67 | 27 | 20 | 32 | 24 | 105 |
| HSK50E-SFSB08-150-M97 | 08 | 13 | 150 | 97 | 27 | 23.2 | 32 | 24 | 135 |
| | | | | | | | | | |
| HSK50E-SFSB10-95-M42 | 10 | 16 | 95 | 42 | 27 | 20.4 | 32 | 30 | 80 |
| HSK50E-SFSB10-120-M67 | 10 | 16 | 120 | 67 | 27 | 23 | 32 | 30 | 105 |
| HSK50E-SFSB10-150-M97 | 10 | 16 | 150 | 97 | 27 | 26.2 | 32 | 30 | 135 |
| | | | | | | | | | |
| HSK50E-SFSB12-95-M42 | 12 | 19 | 95 | 42 | 27 | 23.4 | 32 | 30 | 80 |
| HSK50E-SFSB12-120-M67 | 12 | 19 | 120 | 67 | 27 | 26 | 32 | 30 | 105 |
| HSK50E-SFSB12-150-M97 | 12 | 19 | 150 | 97 | 27 | 29.2 | 32 | 30 | 135 |
| | | | | | | | | | |
| HSK50E-SFSB16-95-M42 | 16 | 24 | 95 | 42 | 27 | 28.4 | 42 | 32 | 82 |
| HSK50E-SFSB16-120-M67 | 16 | 24 | 120 | 67 | 27 | 31 | 42 | 32 | 107 |
| | | | | | | | | | |
| HSK50E-SFSB20-95-M42 | 20 | 29 | 95 | 42 | 27 | 33.4 | 42 | 40 | 82 |

## Shrink Chuck, 3°, Slim, Form B

## 热缩刀柄 3 度，薄壁 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



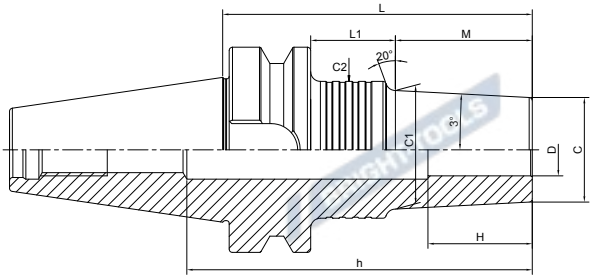



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63F-SFSB06-95-M42 | 06 | 10 | 95 | 42 | 27 | 14.4 | 25 | 18 | 78 |
| HSK63F-SFSB08-95-M42 | 08 | 13 | 95 | 42 | 27 | 17.4 | 32 | 24 | 78 |
| HSK63F-SFSB10-95-M42 | 10 | 16 | 95 | 42 | 27 | 20.4 | 32 | 30 | 74 |
| HSK63F-SFSB12-95-M42 | 12 | 19 | 95 | 42 | 27 | 23.4 | 32 | 30 | 74 |

## Shrink Chuck, 3°, Regular, Form A
## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



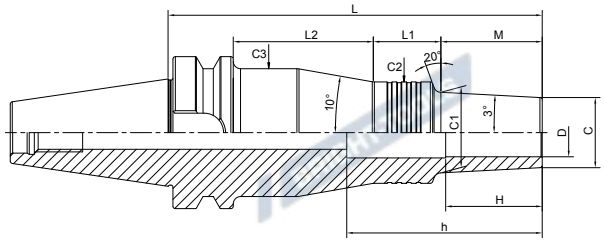



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT30-SFRA03-75-M22 | 03 | 7.5 | 75 | 22 | 31 | 9.8 | 25 | 9 | 99 |
| BT30-SFRA04-75-M22 | 04 | 10 | 75 | 22 | 31 | 12.3 | 25 | 12 | 99 |
| BT30-SFRA06-75-M22 | 06 | 12 | 75 | 22 | 31 | 14.3 | 25 | 18 | 99 |
| BT30-SFRA08-75-M22 | 08 | 14 | 75 | 22 | 31 | 16.3 | 25 | 24 | 99 |
| BT30-SFRA10-75-M22 | 10 | 16 | 75 | 22 | 31 | 18.3 | 25 | 30 | 99 |
| BT30-SFRA12-75-M22 | 12 | 20 | 75 | 22 | 31 | 22.3 | 25 | 30 | 99 |
| BT30-SFRA16-60-M22 | 16 | 26 | 60 | 22 | 16 | 28.3 | 34 | 32 | 60 |
| BT30-SFRA20-65-M22 | 20 | 32 | 65 | 22 | 21 | 34.3 | 40 | 38 | 60 |
| | | | | | | | | | |
| BT40-SFRA03-75-M22 | 03 | 7.5 | 75 | 22 | 26 | 9.8 | 25 | 9 | 110 |
| BT40-SFRA03-95-M42 | 03 | 7.5 | 95 | 42 | 26 | 11.9 | 25 | 9 | 130 |
| BT40-SFRA03-105-M22 | 03 | 7.5 | 105 | 22 | 56 | 9.8 | 26 | 9 | 140 |
| BT40-SFRA03-120-M67 | 03 | 7.5 | 120 | 67 | 26 | 14.5 | 26 | 9 | 155 |
| BT40-SFRA03-125-M42 | 03 | 7.5 | 125 | 42 | 56 | 11.9 | 26 | 9 | 160 |
| BT40-SFRA03-150-M67 | 03 | 7.5 | 150 | 67 | 56 | 14.5 | 26 | 9 | 185 |
| BT40-SFRA03-150-M97 | 03 | 7.5 | 150 | 97 | 26 | 17.7 | 26 | 9 | 185 |
| BT40-SFRA03-180-M97 | 03 | 7.5 | 180 | 97 | 56 | 17.7 | 26 | 9 | 215 |
| BT40-SFRA03-180-M127 | 03 | 7.5 | 180 | 127 | 26 | 20.8 | 36 | 9 | 215 |
| BT40-SFRA03-210-M127 | 03 | 7.5 | 210 | 127 | 56 | 20.8 | 36 | 9 | 245 |
| BT40-SFRA04-75-M22 | 04 | 10 | 75 | 22 | 26 | 12.3 | 25 | 12 | 110 |
| BT40-SFRA04-95-M42 | 04 | 10 | 95 | 42 | 26 | 14.4 | 26 | 12 | 130 |
| BT40-SFRA04-105-M22 | 04 | 10 | 105 | 22 | 56 | 12.3 | 26 | 12 | 140 |
| BT40-SFRA04-120-M67 | 04 | 10 | 120 | 67 | 26 | 17 | 25 | 12 | 155 |
| BT40-SFRA04-125-M42 | 04 | 10 | 125 | 42 | 56 | 14.4 | 26 | 12 | 160 |
| BT40-SFRA04-150-M67 | 04 | 10 | 150 | 67 | 56 | 17 | 25 | 12 | 185 |
| BT40-SFRA04-150-M97 | 04 | 10 | 150 | 97 | 26 | 20.2 | 25 | 12 | 185 |
| BT40-SFRA04-180-M97 | 04 | 10 | 180 | 97 | 56 | 20.2 | 26 | 12 | 215 |
| BT40-SFRA04-180-M127 | 04 | 10 | 180 | 127 | 26 | 23.3 | 36 | 12 | 215 |
| BT40-SFRA04-210-M127 | 04 | 10 | 210 | 127 | 56 | 23.3 | 36 | 12 | 245 |

## Shrink Chuck, 3°, Regular, Form A
## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



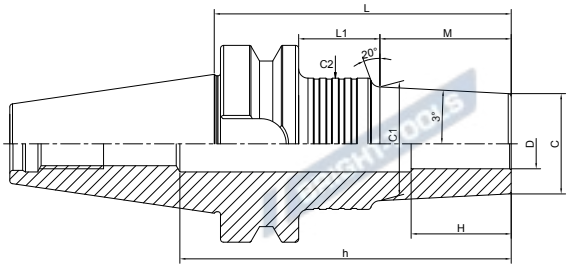



| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BT40-SFRA03-135-M22 | 03 | 7.5 | 135 | 22 | 33 | 53 | 9.8 | 25 | 39 | 9 | 170 |
| BT40-SFRA03-155-M42 | 03 | 7.5 | 155 | 42 | 33 | 53 | 11.9 | 26 | 40 | 9 | 190 |
| BT40-SFRA03-180-M67 | 03 | 7.5 | 180 | 67 | 33 | 53 | 14.5 | 26 | 40 | 9 | 215 |
| BT40-SFRA03-210-M97 | 03 | 7.5 | 210 | 97 | 33 | 53 | 17.7 | 26 | 40 | 9 | 245 |
| BT40-SFRA03-240-M127 | 03 | 7.5 | 240 | 127 | 28 | 58 | 20.8 | 36 | 50 | 9 | 275 |
| | | | | | | | | | | | |
| BT40-SFRA04-135-M22 | 04 | 10 | 135 | 22 | 33 | 53 | 12.3 | 26 | 40 | 12 | 170 |
| BT40-SFRA04-155-M42 | 04 | 10 | 155 | 42 | 33 | 53 | 14.4 | 26 | 40 | 12 | 190 |
| BT40-SFRA04-180-M67 | 04 | 10 | 180 | 67 | 33 | 53 | 17 | 25 | 39 | 12 | 215 |
| BT40-SFRA04-210-M97 | 04 | 10 | 210 | 97 | 33 | 53 | 20.2 | 26 | 40 | 12 | 245 |
| BT40-SFRA04-240-M127 | 04 | 10 | 240 | 127 | 28 | 58 | 23.3 | 36 | 50 | 12 | 275 |

## Shrink Chuck, 3°, Regular, Form A
## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





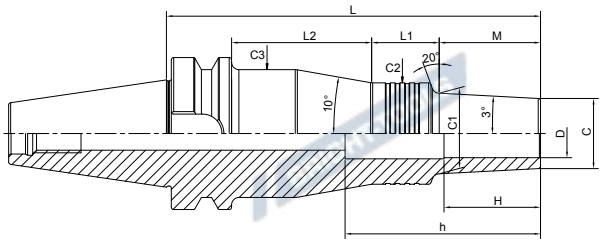

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT50-SFRA03-90-M22 | 03 | 7.5 | 90 | 22 | 30 | 9.8 | 25 | 9 | 145 |
| BT50-SFRA03-110-M42 | 03 | 7.5 | 110 | 42 | 30 | 11.9 | 26 | 9 | 165 |
| BT50-SFRA03-120-M22 | 03 | 7.5 | 120 | 22 | 60 | 9.8 | 26 | 9 | 175 |
| BT50-SFRA03-135-M67 | 03 | 7.5 | 135 | 67 | 30 | 14.5 | 26 | 9 | 190 |
| BT50-SFRA03-140-M42 | 03 | 7.5 | 140 | 42 | 60 | 11.9 | 26 | 9 | 195 |
| BT50-SFRA03-165-M67 | 03 | 7.5 | 165 | 67 | 60 | 14.5 | 26 | 9 | 220 |
| BT50-SFRA03-165-M97 | 03 | 7.5 | 165 | 97 | 30 | 17.7 | 26 | 9 | 220 |
| BT50-SFRA03-195-M97 | 03 | 7.5 | 195 | 97 | 60 | 17.7 | 26 | 9 | 250 |
| BT50-SFRA03-195-M127 | 03 | 7.5 | 195 | 127 | 30 | 20.8 | 32 | 9 | 250 |
| BT50-SFRA03-225-M127 | 03 | 7.5 | 225 | 127 | 60 | 20.8 | 36 | 9 | 280 |
| | | | | | | | | | |
| BT50-SFRA04-90-M22 | 04 | 10 | 90 | 22 | 30 | 12.3 | 25 | 12 | 145 |
| BT50-SFRA04-110-M42 | 04 | 10 | 110 | 42 | 30 | 14.4 | 26 | 12 | 165 |
| BT50-SFRA04-120-M22 | 04 | 10 | 120 | 22 | 60 | 12.3 | 25 | 12 | 175 |
| BT50-SFRA04-135-M67 | 04 | 10 | 135 | 67 | 30 | 17 | 26 | 12 | 190 |
| BT50-SFRA04-140-M42 | 04 | 10 | 140 | 42 | 60 | 14.4 | 26 | 12 | 195 |
| BT50-SFRA04-165-M67 | 04 | 10 | 165 | 67 | 60 | 17 | 26 | 12 | 220 |
| BT50-SFRA04-165-M97 | 04 | 10 | 165 | 97 | 30 | 20.2 | 26 | 12 | 220 |
| BT50-SFRA04-195-M97 | 04 | 10 | 195 | 97 | 60 | 20.2 | 26 | 12 | 250 |
| BT50-SFRA04-195-M127 | 04 | 10 | 195 | 127 | 30 | 23.3 | 36 | 12 | 250 |
| BT50-SFRA04-225-M127 | 04 | 10 | 225 | 127 | 60 | 23.3 | 36 | 12 | 280 |

## Shrink Chuck, 3°, Regular, Form A

## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



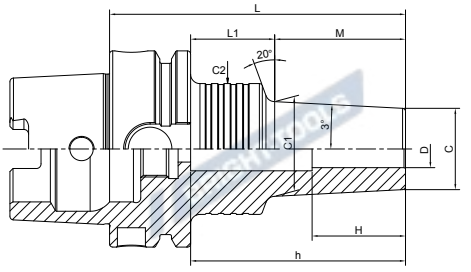



| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BT50-SFRA03-150-M22 | 03 | 7.5 | 150 | 22 | 33 | 57 | 9.8 | 25 | 39 | 9 | 205 |
| BT50-SFRA03-170-M42 | 03 | 7.5 | 170 | 42 | 33 | 57 | 11.9 | 25 | 40 | 9 | 225 |
| BT50-SFRA03-195-M67 | 03 | 7.5 | 195 | 67 | 33 | 57 | 14.5 | 25 | 40 | 9 | 250 |
| BT50-SFRA03-225-M97 | 03 | 7.5 | 225 | 97 | 33 | 57 | 17.7 | 26 | 40 | 9 | 280 |
| BT50-SFRA03-255-M127 | 03 | 7.5 | 255 | 127 | 30 | 60 | 20.8 | 32 | 46 | 9 | 310 |
| | | | | | | | | | | | |
| BT50-SFRA04-150-M22 | 04 | 10 | 150 | 22 | 33 | 57 | 12.3 | 25 | 39 | 12 | 205 |
| BT50-SFRA04-170-M42 | 04 | 10 | 170 | 42 | 33 | 57 | 14.4 | 26 | 40 | 12 | 225 |
| BT50-SFRA04-195-M67 | 04 | 10 | 195 | 67 | 33 | 57 | 17 | 26 | 40 | 12 | 250 |
| BT50-SFRA04-225-M97 | 04 | 10 | 225 | 97 | 33 | 57 | 20.2 | 26 | 40 | 12 | 280 |
| BT50-SFRA04-255-M127 | 04 | 10 | 255 | 127 | 30 | 60 | 23.3 | 32 | 46 | 12 | 310 |

## Shrink Chuck, 3°, Regular, Form A
## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



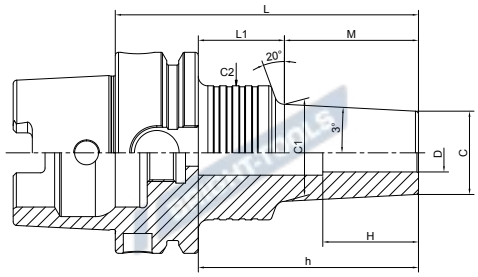



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK40A-SFRA03-65-M22 | 03 | 7.5 | 65 | 22 | 23 | 9.8 | 25 | 9 | 44 |
| HSK40A-SFRA03-85-M42 | 03 | 7.5 | 85 | 42 | 23 | 11.9 | 25 | 9 | 64 |
| HSK40A-SFRA04-65-M22 | 04 | 10 | 65 | 22 | 23 | 12.3 | 25 | 12 | 44 |
| HSK40A-SFRA04-85-M42 | 04 | 10 | 85 | 42 | 23 | 14.4 | 25 | 12 | 64 |
| HSK40A-SFRA06-65-M22 | 06 | 12 | 65 | 22 | 23 | 14.3 | 25 | 18 | 44 |
| HSK40A-SFRA06-85-M42 | 06 | 12 | 85 | 42 | 23 | 16.4 | 25 | 18 | 64 |
| HSK40A-SFRA08-65-M22 | 08 | 14 | 65 | 22 | 23 | 16.3 | 25 | 24 | 44 |
| HSK40A-SFRA08-85-M42 | 08 | 14 | 85 | 42 | 23 | 18.4 | 25 | 24 | 64 |
| HSK40A-SFRA10-65-M22 | 10 | 16 | 65 | 22 | 23 | 18.3 | 25 | 30 | 44 |
| HSK40A-SFRA10-90-M42 | 10 | 16 | 90 | 42 | 28 | 20.4 | 32 | 30 | 60 |
| HSK40A-SFRA12-65-M22 | 12 | 20 | 65 | 22 | 23 | 22.3 | 25 | 30 | 44 |
| HSK40A-SFRA16-65-M22 | 16 | 26 | 65 | 22 | 23 | 28.3 | 34 | 32 | 43 |
| HSK40A-SFRA20-70-M50 | 20 | 32 | 70 | 50 | - | 34 | - | 38 | 48 |
| | | | | | | | | | |
| HSK50A-SFRA03-75-M22 | 03 | 7.5 | 75 | 22 | 27 | 9.8 | 25 | 9 | 49 |
| HSK50A-SFRA03-95-M42 | 03 | 7.5 | 95 | 42 | 27 | 11.9 | 25 | 9 | 69 |
| HSK50A-SFRA03-125-M42 | 03 | 7.5 | 125 | 42 | 57 | 11.9 | 25 | 9 | 100 |
| HSK50A-SFRA04-75-M22 | 04 | 10 | 75 | 22 | 27 | 12.3 | 25 | 12 | 49 |
| HSK50A-SFRA04-95-M42 | 04 | 10 | 95 | 42 | 27 | 14.4 | 25 | 12 | 69 |
| HSK50A-SFRA04-125-M42 | 04 | 10 | 125 | 42 | 57 | 14.4 | 25 | 12 | 99 |

## Shrink Chuck, 3°, Regular, Form A
## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



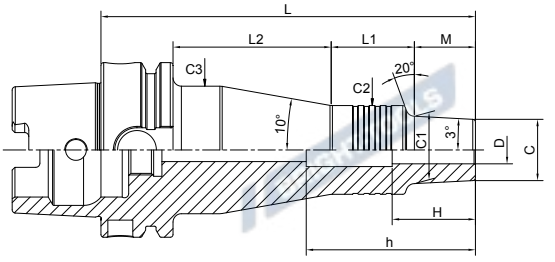



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFRA03-75-M22 | 03 | 7.5 | 75 | 22 | 27 | 9.8 | 25 | 9 | 50 |
| HSK63A-SFRA03-95-M42 | 03 | 7.5 | 95 | 42 | 27 | 11.9 | 25 | 9 | 70 |
| HSK63A-SFRA03-105-M22 | 03 | 7.5 | 105 | 22 | 57 | 9.8 | 26 | 9 | 80 |
| HSK63A-SFRA03-120-M67 | 03 | 7.5 | 120 | 67 | 27 | 14.5 | 26 | 9 | 95 |
| HSK63A-SFRA03-125-M42 | 03 | 7.5 | 125 | 42 | 57 | 11.9 | 26 | 9 | 100 |
| HSK63A-SFRA03-150-M67 | 03 | 7.5 | 150 | 67 | 57 | 14.5 | 25 | 9 | 125 |
| HSK63A-SFRA03-150-M97 | 03 | 7.5 | 150 | 97 | 27 | 17.7 | 25 | 9 | 125 |
| HSK63A-SFRA03-180-M97 | 03 | 7.5 | 180 | 97 | 57 | 17.7 | 26 | 9 | 155 |
| HSK63A-SFRA03-180-M127 | 03 | 7.5 | 180 | 127 | 27 | 20.8 | 36 | 9 | 155 |
| HSK63A-SFRA03-210-M127 | 03 | 7.5 | 210 | 127 | 57 | 20.8 | 36 | 9 | 185 |
| | | | | | | | | | |
| HSK63A-SFRA04-75-M22 | 04 | 10 | 75 | 22 | 27 | 12.3 | 25 | 12 | 50 |
| HSK63A-SFRA04-95-M42 | 04 | 10 | 95 | 42 | 27 | 14.4 | 25 | 12 | 70 |
| HSK63A-SFRA04-105-M22 | 04 | 10 | 105 | 22 | 57 | 12.3 | 26 | 12 | 80 |
| HSK63A-SFRA04-120-M67 | 04 | 10 | 120 | 67 | 27 | 17 | 25 | 12 | 95 |
| HSK63A-SFRA04-125-M42 | 04 | 10 | 125 | 42 | 57 | 14.4 | 26 | 12 | 100 |
| HSK63A-SFRA04-150-M67 | 04 | 10 | 150 | 67 | 57 | 17 | 26 | 12 | 125 |
| HSK63A-SFRA04-150-M97 | 04 | 10 | 150 | 97 | 27 | 20.2 | 25 | 12 | 125 |
| HSK63A-SFRA04-180-M97 | 04 | 10 | 180 | 97 | 57 | 20.2 | 26 | 12 | 155 |
| HSK63A-SFRA04-180-M127 | 04 | 10 | 180 | 127 | 27 | 23.3 | 36 | 12 | 155 |
| HSK63A-SFRA04-210-M127 | 04 | 10 | 210 | 127 | 57 | 23.3 | 36 | 12 | 185 |

## Shrink Chuck, 3°, Regular, Form A
## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





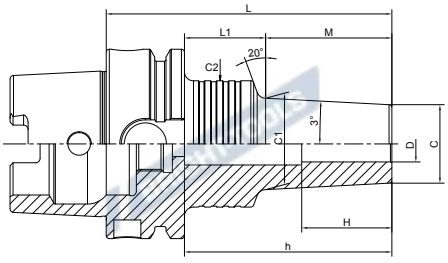

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFRA03-135-M22 | 03 | 7.5 | 135 | 22 | 33 | 9.8 | 25 | 9 | 110 |
| HSK63A-SFRA03-155-M42 | 03 | 7.5 | 155 | 42 | 33 | 11.9 | 26 | 9 | 130 |
| HSK63A-SFRA03-180-M67 | 03 | 7.5 | 180 | 67 | 33 | 14.5 | 26 | 9 | 155 |
| HSK63A-SFRA03-210-M97 | 03 | 7.5 | 210 | 97 | 33 | 17.7 | 26 | 9 | 185 |
| HSK63A-SFRA03-240-M127 | 03 | 7.5 | 240 | 127 | 28 | 20.8 | 36 | 9 | 215 |
| | | | | | | | | | |
| HSK63A-SFRA04-135-M22 | 04 | 10 | 135 | 22 | 33 | 12.3 | 26 | 12 | 110 |
| HSK63A-SFRA04-155-M42 | 04 | 10 | 155 | 42 | 33 | 14.4 | 25 | 12 | 130 |
| HSK63A-SFRA04-180-M67 | 04 | 10 | 180 | 67 | 33 | 17 | 25 | 12 | 155 |
| HSK63A-SFRA04-210-M97 | 04 | 10 | 210 | 97 | 33 | 20.2 | 26 | 12 | 185 |
| HSK63A-SFRA04-240-M127 | 04 | 10 | 240 | 127 | 28 | 23.3 | 36 | 12 | 215 |

## Shrink Chuck, 3°, Regular, Form A

## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



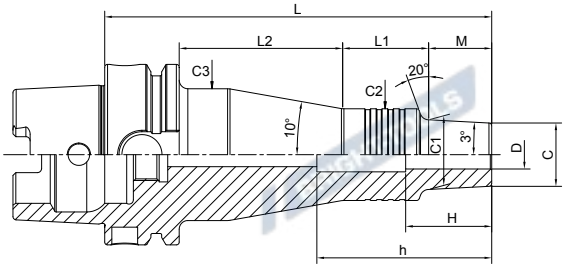



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFRA03-90-M22 | 03 | 7.5 | 90 | 22 | 39 | 9.8 | 26 | 9 | 60 |
| HSK100A-SFRA03-110-M42 | 03 | 7.5 | 110 | 42 | 39 | 11.9 | 26 | 9 | 80 |
| HSK100A-SFRA03-120-M22 | 03 | 7.5 | 120 | 22 | 69 | 9.8 | 25 | 9 | 90 |
| HSK100A-SFRA03-135-M67 | 03 | 7.5 | 135 | 67 | 39 | 14.5 | 26 | 9 | 105 |
| HSK100A-SFRA03-140-M42 | 03 | 7.5 | 140 | 42 | 69 | 11.9 | 26 | 9 | 110 |
| HSK100A-SFRA03-165-M67 | 03 | 7.5 | 165 | 67 | 69 | 14.5 | 26 | 9 | 135 |
| HSK100A-SFRA03-165-M97 | 03 | 7.5 | 165 | 97 | 39 | 17.7 | 26 | 9 | 135 |
| HSK100A-SFRA03-195-M97 | 03 | 7.5 | 195 | 97 | 69 | 17.7 | 26 | 9 | 165 |
| HSK100A-SFRA03-195-M127 | 03 | 7.5 | 195 | 127 | 39 | 20.8 | 36 | 9 | 165 |
| HSK100A-SFRA03-225-M127 | 03 | 7.5 | 225 | 127 | 69 | 20.8 | 36 | 9 | 195 |
| | | | | | | | | | |
| HSK100A-SFRA04-90-M22 | 04 | 10 | 90 | 22 | 39 | 12.3 | 26 | 12 | 60 |
| HSK100A-SFRA04-110-M42 | 04 | 10 | 110 | 42 | 39 | 14.4 | 26 | 12 | 80 |
| HSK100A-SFRA04-120-M22 | 04 | 10 | 120 | 22 | 69 | 12.3 | 26 | 12 | 90 |
| HSK100A-SFRA04-135-M67 | 04 | 10 | 135 | 67 | 39 | 17 | 26 | 12 | 105 |
| HSK100A-SFRA04-140-M42 | 04 | 10 | 140 | 42 | 69 | 14.4 | 26 | 12 | 110 |
| HSK100A-SFRA04-165-M67 | 04 | 10 | 165 | 67 | 69 | 17 | 26 | 12 | 135 |
| HSK100A-SFRA04-165-M97 | 04 | 10 | 165 | 97 | 39 | 20.2 | 26 | 12 | 135 |
| HSK100A-SFRA04-195-M97 | 04 | 10 | 195 | 97 | 69 | 20.2 | 26 | 12 | 165 |
| HSK100A-SFRA04-195-Ml 27 | 04 | 10 | 195 | 127 | 39 | 23.3 | 32 | 12 | 165 |
| HSK100A-SFRA04-225-M127 | 04 | 10 | 225 | 127 | 69 | 23.3 | 36 | 12 | 195 |

## Shrink Chuck, 3°, Regular, Form A
## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



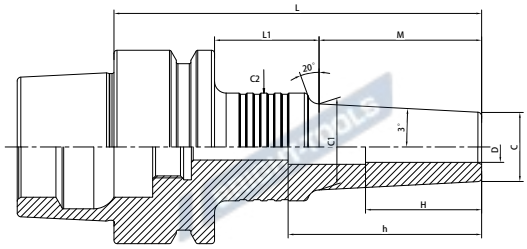



| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFRA03-150-M22 | 03 | 7.5 | 150 | 22 | 33 | 66 | 9.8 | 26 | 40 | 9 | 120 |
| HSK100A-SFRA03-170-M42 | 03 | 7.5 | 170 | 42 | 33 | 66 | 11.9 | 26 | 40 | 9 | 140 |
| HSK100A-SFRA03-195-M67 | 03 | 7.5 | 195 | 67 | 33 | 66 | 14.5 | 26 | 40 | 9 | 165 |
| HSK100A-SFRA03-225-M97 | 03 | 7.5 | 225 | 97 | 33 | 66 | 17.7 | 26 | 40 | 9 | 195 |
| HSK100A-SFRA03-255-M127 | 03 | 7.5 | 255 | 127 | 28 | 71 | 20.8 | 36 | 50 | 9 | 225 |
| HSK100A-SFRA04-150-M22 | 04 | 10 | 150 | 22 | 33 | 66 | 12.3 | 26 | 40 | 12 | 120 |
| HSK100A-SFRA04-170-M42 | 04 | 10 | 170 | 42 | 33 | 66 | 14.4 | 26 | 40 | 12 | 140 |
| HSK100A-SFRA04-195-M67 | 04 | 10 | 195 | 67 | 33 | 66 | 17 | 25 | 39 | 12 | 165 |
| HSK100A-SFRA04-225-M97 | 04 | 10 | 225 | 97 | 33 | 66 | 20.2 | 26 | 40 | 12 | 195 |
| HSK100A-SFRA04-255-M127 | 04 | 10 | 255 | 127 | 28 | 71 | 23.3 | 36 | 50 | 12 | 225 |

## Shrink Chuck, 3°, Regular, Form A
## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





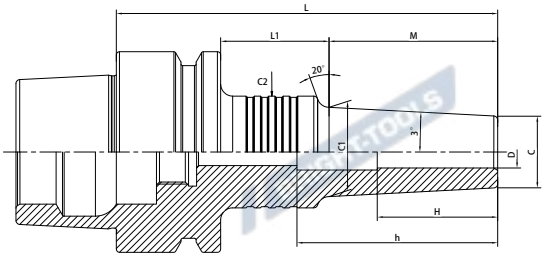

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK32E-SFRA03-50-M22 | 03 | 7.5 | 50 | 22 | 8 | 9.8 | 20 | 9 | 42 |
| HSK32E-SFRA03-70-M42 | 03 | 7.5 | 70 | 42 | 8 | 11.9 | 20 | 9 | 62 |
| HSK32E-SFRA03-85-M42 | 03 | 7.5 | 85 | 42 | 23 | 11.9 | 25 | 9 | 69 |
| HSK32E-SFRA04-50-M22 | 04 | 10 | 50 | 22 | 8 | 12.3 | 20 | 12 | 35 |
| HSK32E-SFRA04-70-M42 | 04 | 10 | 70 | 42 | 8 | 14.4 | 20 | 12 | 54 |
| HSK32E-SFRA04-85-M42 | 04 | 10 | 85 | 42 | 23 | 14.4 | 25 | 12 | 69 |
| HSK32E-SFRA06-50-M22 | 06 | 12 | 50 | 22 | 8 | 14.3 | 26 | 18 | 39 |
| HSK32E-SFRA06-70-M42 | 06 | 12 | 70 | 42 | 8 | 16.4 | 26 | 18 | 54 |
| HSK32E-SFRA06-85-M42 | 06 | 12 | 85 | 42 | 23 | 16.4 | 25 | 18 | 69 |
| HSK32E-SFRA08-50-M22 | 08 | 14 | 50 | 22 | 8 | 16.3 | 26 | 20 | 39 |
| HSK32E-SFRA08-85-M42 | 08 | 14 | 85 | 42 | 23 | 18.4 | 25 | 24 | 49 |
| HSK32E-SFRA10-55-M22 | 10 | 16 | 55 | 22 | 13 | 18.3 | 26 | 25 | 44 |
| HSK32E-SFRA12-55-M22 | 12 | 20 | 55 | 22 | 13 | 22.3 | 26 | 25 | 44 |
| HSK32E-SFRA16-55-M35 | 16 | 26 | 55 | 35 | - | - | - | 32 | 44 |

## Shrink Chuck, 3°, Regular, Form A

## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





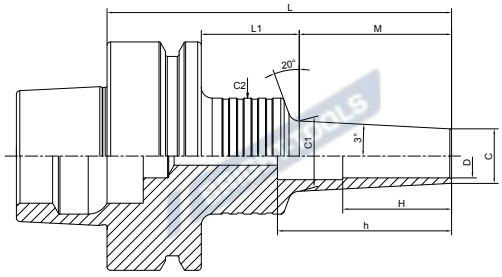

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK40E-SFRA03-50-M22 | 03 | 7.5 | 50 | 22 | 8 | 9.8 | 20 | 9 | 42 |
| HSK40E-SFRA03-70-M42 | 03 | 7.5 | 70 | 42 | 8 | 11.9 | 20 | 9 | 62 |
| HSK40E-SFRA03-85-M42 | 03 | 7.5 | 85 | 42 | 23 | 11.9 | 25 | 9 | 69 |
| HSK40E-SFRA03-110-M67 | 03 | 7.5 | 110 | 67 | 23 | 14.5 | 25 | 9 | 94 |
| HSK40E-SFRA04-50-M22 | 04 | 10 | 50 | 22 | 8 | 12.3 | 20 | 12 | 42 |
| HSK40E-SFRA04-70-M42 | 04 | 10 | 70 | 42 | 8 | 14.4 | 20 | 12 | 62 |
| HSK40E-SFRA04-85-M42 | 04 | 10 | 85 | 42 | 23 | 14.4 | 25 | 12 | 69 |
| HSK40E-SFRA04-110-M67 | 04 | 10 | 110 | 67 | 23 | 17 | 25 | 12 | 94 |
| HSK40E-SFRA06-50-M22 | 06 | 12 | 50 | 22 | 8 | 14.3 | 26 | 18 | 39 |
| HSK40E-SFRA06-70-M42 | 06 | 12 | 70 | 42 | 8 | 16.4 | 26 | 18 | 54 |
| HSK40E-SFRA06-85-M42 | 06 | 12 | 85 | 42 | 23 | 16.4 | 25 | 18 | 69 |
| HSK40E-SFRA06-110-M67 | 06 | 12 | 110 | 67 | 23 | 19 | 25 | 18 | 94 |
| HSK40E-SFRA08-50-M22 | 08 | 14 | 50 | 22 | 8 | 16.3 | 26 | 20 | 39 |
| HSK40E-SFRA08-85-M42 | 08 | 14 | 85 | 42 | 23 | 18.4 | 25 | 24 | 69 |
| HSK40E-SFRA08-100-M42 | 08 | 14 | 100 | 42 | 38 | 18.4 | 25 | 24 | 84 |
| HSK40E-SFRA10-55-M22 | 10 | 16 | 55 | 22 | 13 | 18.3 | 26 | 25 | 44 |
| HSK40E-SFRA10-85-M42 | 10 | 16 | 85 | 42 | 23 | 20.4 | 25 | 30 | 64 |
| HSK40E-SFRA10-100-M42 | 10 | 16 | 100 | 42 | 38 | 20.4 | 25 | 30 | 64 |
| HSK40E-SFRA12-55-M22 | 12 | 20 | 55 | 22 | 13 | 22.3 | 30 | 25 | 44 |
| HSK40E-SFRA12-85-M42 | 12 | 20 | 85 | 42 | 23 | 24.4 | 32 | 30 | 74 |
| HSK40E-SFRA16-55-M22 | 16 | 26 | 55 | 22 | 13 | 28.3 | 34 | 32 | 44 |
| HSK40E-SFRA20-60-M40 | 20 | 32 | 60 | 40 | - | 34 | - | 38 | 49 |

## Shrink Chuck, 3°, Regular, Form A

## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





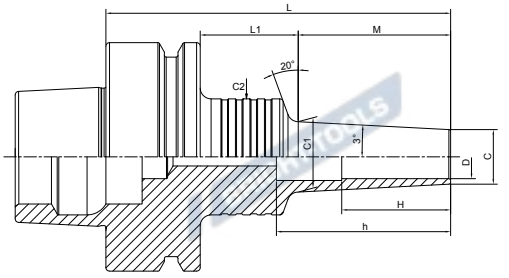

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK50E-SFRA03-75-M22 | 03 | 7.5 | 75 | 22 | 27 | 9.8 | 25 | 9 | 61 |
| HSK50E-SFRA03-95-M42 | 03 | 7.5 | 95 | 42 | 27 | 11.9 | 25 | 9 | 81 |
| HSK50E-SFRA03-120-M67 | 03 | 7.5 | 120 | 67 | 27 | 14.5 | 25 | 9 | 106 |
| HSK50E-SFRA03-150-M97 | 03 | 7.5 | 150 | 97 | 27 | 17.7 | 25 | 9 | 136 |
| | | | | | | | | | |
| HSK50E-SFRA04-75-M22 | 04 | 10 | 75 | 22 | 27 | 12.3 | 25 | 12 | 61 |
| HSK50E-SFRA04-95-M42 | 04 | 10 | 95 | 42 | 27 | 14.4 | 25 | 12 | 81 |
| HSK50E-SFRA04-120-M67 | 04 | 10 | 120 | 67 | 27 | 17 | 25 | 12 | 106 |
| HSK50E-SFRA04-150-M97 | 04 | 10 | 150 | 97 | 27 | 20.2 | 25 | 12 | 135 |
| | | | | | | | | | |
| HSK50E-SFRA06-60-M22 | 06 | 12 | 60 | 22 | 12 | 14.3 | 26 | 18 | 44 |
| HSK50E-SFRA06-75-M22 | 06 | 12 | 75 | 22 | 27 | 14.3 | 25 | 18 | 61 |
| HSK50E-SFRA06-95-M42 | 06 | 12 | 95 | 42 | 27 | 16.4 | 25 | 18 | 81 |
| HSK50E-SFRA06-120-M67 | 06 | 12 | 120 | 67 | 27 | 19 | 25 | 18 | 106 |
| | | | | | | | | | |
| HSK50E-SFRA08-60-M22 | 08 | 14 | 60 | 22 | 12 | 16.3 | 26 | 20 | 44 |
| HSK50E-SFRA08-75-M22 | 08 | 14 | 75 | 22 | 27 | 16.3 | 25 | 24 | 61 |
| HSK50E-SFRA08-95-M42 | 08 | 14 | 95 | 42 | 27 | 18.4 | 25 | 24 | 81 |
| | | | | | | | | | |
| HSK50E-SFRA10-60-M22 | 10 | 16 | 60 | 22 | 12 | 18.3 | 26 | 25 | 44 |
| HSK50E-SFRA10-75-M22 | 10 | 16 | 75 | 22 | 27 | 18.3 | 25 | 30 | 60 |
| | | | | | | | | | |
| HSK50E-SFRA12-60-M22 | 12 | 20 | 60 | 22 | 12 | 22.3 | 26 | 25 | 44 |
| HSK50E-SFRA12-75-M22 | 12 | 20 | 75 | 22 | 27 | 22.3 | 25 | 30 | 62 |
| | | | | | | | | | |
| HSK50E-SFRA16-60-M22 | 16 | 26 | 60 | 22 | 12 | 28.3 | 34 | 32 | 44 |
| | | | | | | | | | |
| HSK50E-SFRA20-65-M22 | 20 | 32 | 65 | 22 | 17 | 34.3 | 40 | 38 | 49 |

## Shrink Chuck, 3°, Regular, Form A

## 热缩刀柄 3 度，标准 A 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



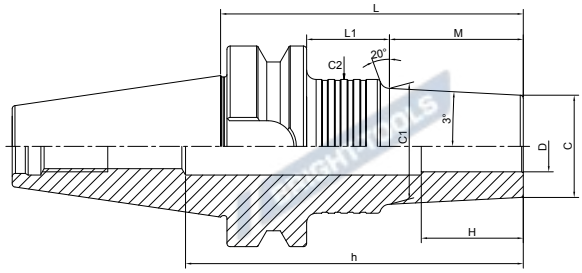



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63F-SFRA03-70-M22 | 03 | 7.5 | 70 | 22 | 22 | 9.8 | 26 | 9 | 53 |
| HSK63F-SFRA03-75-M22 | 03 | 7.5 | 75 | 22 | 27 | 9.8 | 25 | 9 | 54 |
| HSK63F-SFRA03-95-M42 | 03 | 7.5 | 95 | 42 | 27 | 11.9 | 25 | 9 | 78 |
| | | | | | | | | | |
| HSK63F-SFRA04-70-M22 | 04 | 10 | 70 | 22 | 22 | 12.3 | 26 | 12 | 53 |
| HSK63F-SFRA04-75-M22 | 04 | 10 | 75 | 22 | 27 | 12.3 | 25 | 12 | 58 |
| HSK63F-SFRA04-95-M42 | 04 | 10 | 95 | 42 | 27 | 14.4 | 25 | 12 | 73 |
| | | | | | | | | | |
| HSK63F-SFRA06-70-M22 | 06 | 12 | 70 | 22 | 22 | 14.3 | 26 | 18 | 53 |
| HSK63F-SFRA06-75-M22 | 06 | 12 | 75 | 22 | 27 | 14.3 | 25 | 18 | 58 |
| HSK63F-SFRA06-95-M42 | 06 | 12 | 95 | 42 | 27 | 16.4 | 25 | 18 | 73 |
| | | | | | | | | | |
| HSK63F-SFRA08-70-M22 | 08 | 14 | 70 | 22 | 22 | 16.3 | 26 | 24 | 53 |
| HSK63F-SFRA08-75-M22 | 08 | 14 | 75 | 22 | 27 | 16.3 | 25 | 24 | 58 |
| HSK63F-SFRA08-95-M42 | 08 | 14 | 95 | 42 | 27 | 18.4 | 25 | 24 | 78 |
| | | | | | | | | | |
| HSK63F-SFRA10-70-M22 | 10 | 16 | 70 | 22 | 22 | 18.3 | 26 | 30 | 53 |
| HSK63F-SFRA10-75-M22 | 10 | 16 | 75 | 22 | 27 | 18.3 | 25 | 30 | 54 |
| | | | | | | | | | |
| HSK63F-SFRA12-70-M22 | 12 | 20 | 70 | 22 | 22 | 22.3 | 26 | 30 | 53 |
| HSK63F-SFRA12-75-M22 | 12 | 20 | 75 | 22 | 27 | 22.3 | 25 | 30 | 54 |

## Shrink Chuck, 3°, Regular, Form B
## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



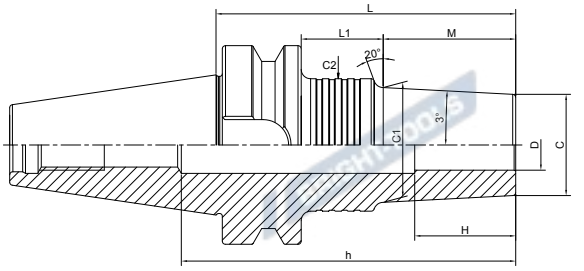



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT40-SFRB06-75-M22 | 6 | 14 | 75 | 22 | 26 | 16.3 | 32 | 18 | 110 |
| BT40-SFRB06-95-M42 | 6 | 14 | 95 | 42 | 26 | 18.4 | 32 | 18 | 130 |
| BT40-SFRB06-105-M22 | 6 | 14 | 105 | 22 | 56 | 16.3 | 36 | 18 | 140 |
| BT40-SFRB06-120-M67 | 6 | 14 | 120 | 67 | 26 | 21 | 32 | 18 | 155 |
| BT40-SFRB06-125-M42 | 6 | 14 | 125 | 42 | 56 | 18.4 | 32 | 18 | 160 |
| BT40-SFRB06-150-M67 | 6 | 14 | 150 | 67 | 56 | 21 | 32 | 18 | 185 |
| | | | | | | | | | |
| BT40-SFRB08-75-M22 | 8 | 18 | 75 | 22 | 26 | 20.3 | 32 | 24 | 110 |
| BT40-SFRB08-95-M42 | 8 | 18 | 95 | 42 | 26 | 22.4 | 32 | 24 | 130 |
| BT40-SFRB08-105-M22 | 8 | 18 | 105 | 22 | 56 | 20.3 | 32 | 24 | 140 |
| BT40-SFRB08-120-M67 | 8 | 18 | 120 | 67 | 26 | 25 | 36 | 24 | 155 |
| BT40-SFRB08-125-M42 | 8 | 18 | 125 | 42 | 56 | 22.4 | 32 | 24 | 160 |
| BT40-SFRB08-150-M67 | 8 | 18 | 150 | 67 | 56 | 25 | 32 | 24 | 185 |
| | | | | | | | | | |
| BT40-SFRB10-75-M22 | 10 | 22 | 75 | 22 | 26 | 24.3 | 32 | 30 | 110 |
| BT40-SFRB10-95-M42 | 10 | 22 | 95 | 42 | 26 | 26.4 | 32 | 30 | 130 |
| BT40-SFRB10-105-M22 | 10 | 22 | 105 | 22 | 56 | 24.3 | 32 | 30 | 140 |
| BT40-SFRB10-120-M67 | 10 | 22 | 120 | 67 | 26 | 29 | 42 | 30 | 155 |
| BT40-SFRB10-125-M42 | 10 | 22 | 125 | 42 | 56 | 26.4 | 32 | 30 | 160 |
| BT40-SFRB10-150-M67 | 10 | 22 | 150 | 67 | 56 | 29 | 42 | 30 | 185 |
| | | | | | | | | | |
| BT40-SFRB12-75-M22 | 12 | 26 | 75 | 22 | 26 | 28.3 | 42 | 30 | 110 |
| BT40-SFRB12-95-M42 | 12 | 26 | 95 | 42 | 26 | 30.4 | 42 | 30 | 130 |
| BT40-SFRB12-105-M22 | 12 | 26 | 105 | 22 | 56 | 28.3 | 42 | 30 | 140 |
| BT40-SFRB12-120-M67 | 12 | 26 | 120 | 67 | 26 | 33 | 50 | 30 | 155 |
| BT40-SFRB12-125-M42 | 12 | 26 | 125 | 42 | 56 | 30.4 | 50 | 30 | 160 |
| BT40-SFRB12-135-M22 | 12 | 26 | 135 | 22 | 86 | 28.3 | 50 | 30 | 170 |
| BT40-SFRB12-150-M67 | 12 | 26 | 150 | 67 | 56 | 33 | 42 | 30 | 185 |

## Shrink Chuck, 3°, Regular, Form B
## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



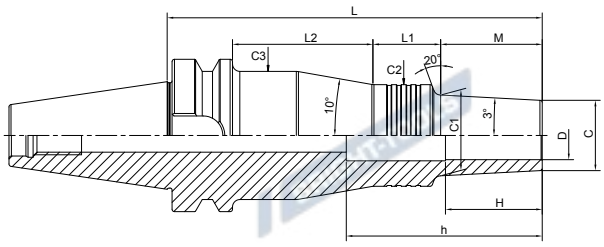



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT40-SFRB16-75-M22 | 16 | 32 | 75 | 22 | 26 | 34.3 | 42 | 32 | 85 |
| BT40-SFRB16-95-M42 | 16 | 32 | 95 | 42 | 26 | 36.4 | 42 | 32 | 105 |
| BT40-SFRB16-105-M22 | 16 | 32 | 105 | 22 | 56 | 34.3 | 42 | 32 | 115 |
| BT40-SFRB16-120-M67 | 16 | 32 | 120 | 67 | 26 | 39 | 42 | 32 | 130 |
| BT40-SFRB16-125-M42 | 16 | 32 | 125 | 42 | 56 | 36.4 | 42 | 32 | 135 |
| BT40-SFRB16-150-M67 | 16 | 32 | 150 | 67 | 56 | 39 | 42 | 32 | 160 |
| | | | | | | | | | |
| BT40-SFRB20-95-M42 | 20 | 38 | 95 | 42 | 26 | 42.4 | 53 | 40 | 105 |
| BT40-SFRB20-120-M67 | 20 | 38 | 120 | 67 | 26 | 45 | 53 | 40 | 130 |
| BT40-SFRB20-125-M42 | 20 | 38 | 125 | 42 | 56 | 42.4 | 53 | 40 | 135 |
| BT40-SFRB20-150-M67 | 20 | 38 | 150 | 67 | 56 | 45 | 50 | 40 | 160 |
| BT40-SFRB20-155-M42 | 20 | 38 | 155 | 42 | 86 | 42.4 | 53 | 40 | 165 |
| BT40-SFRB20-180-M67 | 20 | 38 | 180 | 67 | 86 | 45 | 50 | 40 | 190 |

## Shrink Chuck, 3°, Regular, Form B
## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



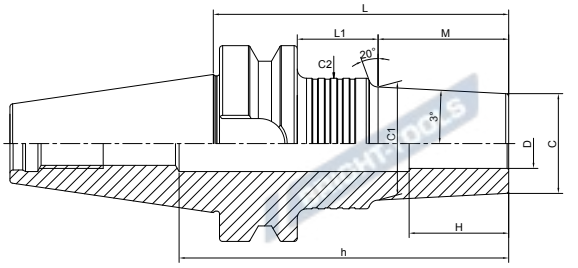



| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BT40-SFRB06-135-M22 | 06 | 14 | 135 | 22 | 30 | 56 | 16.3 | 32 | 46 | 18 | 170 |
| BT40-SFRB06-155-M42 | 06 | 14 | 155 | 42 | 30 | 56 | 18.4 | 32 | 46 | 18 | 190 |
| BT40-SFRB06-180-M67 | 06 | 14 | 180 | 67 | 30 | 56 | 21 | 32 | 46 | 18 | 215 |
| | | | | | | | | | | | |
| BT40-SFRB08-135-M22 | 08 | 18 | 135 | 22 | 30 | 56 | 20.3 | 32 | 46 | 24 | 170 |
| BT40-SFRB08-155-M42 | 08 | 18 | 155 | 42 | 30 | 56 | 22.4 | 32 | 46 | 24 | 190 |
| BT40-SFRB08-180-M67 | 08 | 18 | 180 | 67 | 30 | 56 | 25 | 32 | 46 | 24 | 215 |
| | | | | | | | | | | | |
| BT40-SFRB10-135-M22 | 10 | 22 | 135 | 22 | 30 | 56 | 24.3 | 32 | 46 | 30 | 170 |
| BT40-SFRB10-155-M42 | 10 | 22 | 155 | 42 | 30 | 56 | 26.4 | 32 | 46 | 30 | 190 |
| BT40-SFRB10-180-M67 | 10 | 22 | 180 | 67 | 28 | 58 | 29 | 42 | 53 | 30 | 215 |
| | | | | | | | | | | | |
| BT40-SFRB12-155-M42 | 12 | 26 | 155 | 42 | 28 | 58 | 30.4 | 42 | 53 | 30 | 190 |
| BT40-SFRB12-180-M67 | 12 | 26 | 180 | 67 | 28 | 58 | 33 | 42 | 53 | 30 | 215 |
| | | | | | | | | | | | |
| BT40-SFRB16-135-M22 | 16 | 32 | 135 | 22 | 28 | 58 | 34.3 | 42 | 53 | 32 | 145 |
| BT40-SFRB16-155-M42 | 16 | 32 | 155 | 42 | 28 | 58 | 36.4 | 42 | 53 | 32 | 165 |
| BT40-SFRB16-180-M67 | 16 | 32 | 180 | 67 | 28 | 58 | 39 | 42 | 53 | 32 | 190 |

## Shrink Chuck, 3°, Regular, Form B
## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



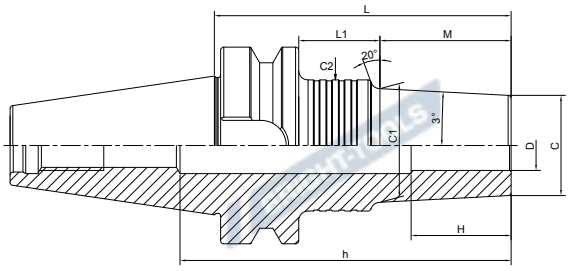



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT50-SFRB06-90-M22 | 06 | 14 | 90 | 22 | 30 | 16.3 | 32 | 18 | 145 |
| BT50-SFRB06-110-M42 | 06 | 14 | 110 | 42 | 30 | 18.4 | 32 | 18 | 165 |
| BT50-SFRB06-120-M22 | 06 | 14 | 120 | 22 | 60 | 16.3 | 32 | 18 | 175 |
| BT50-SFRB06-135-M67 | 06 | 14 | 135 | 67 | 30 | 21 | 32 | 18 | 190 |
| BT50-SFRB06-140-M42 | 06 | 14 | 140 | 42 | 60 | 18.4 | 32 | 18 | 195 |
| BT50-SFRB06-165-M67 | 06 | 14 | 165 | 67 | 60 | 21 | 32 | 18 | 220 |
| | | | | | | | | | |
| BT50-SFRB08-90-M22 | 08 | 18 | 90 | 22 | 30 | 20.3 | 32 | 24 | 145 |
| BT50-SFRB08-110-M42 | 08 | 18 | 110 | 42 | 30 | 22.4 | 32 | 24 | 165 |
| BT50-SFRB08-120-M22 | 08 | 18 | 120 | 22 | 60 | 20.3 | 32 | 24 | 175 |
| BT50-SFRB08-135-M67 | 08 | 18 | 135 | 67 | 30 | 25 | 32 | 24 | 190 |
| BT50-SFRB08-140-M42 | 08 | 18 | 140 | 42 | 60 | 22.4 | 32 | 24 | 195 |
| BT50-SFRB08-165-M67 | 08 | 18 | 165 | 67 | 60 | 25 | 32 | 24 | 220 |
| | | | | | | | | | |
| BT50-SFRB10-90-M22 | 10 | 22 | 90 | 22 | 30 | 24.3 | 32 | 30 | 145 |
| BT50-SFRB10-110-M42 | 10 | 22 | 110 | 42 | 30 | 26.4 | 32 | 30 | 165 |
| BT50-SFRB10-120-M22 | 10 | 22 | 120 | 22 | 60 | 24.3 | 32 | 30 | 175 |
| BT50-SFRB10-135-M67 | 10 | 22 | 135 | 67 | 30 | 29 | 42 | 30 | 190 |
| BT50-SFRB10-140-M42 | 10 | 22 | 140 | 42 | 60 | 26.4 | 32 | 30 | 195 |
| BT50-SFRB10-165-M67 | 10 | 22 | 165 | 67 | 60 | 29 | 42 | 30 | 220 |
| | | | | | | | | | |
| BT50-SFRB12-90-M22 | 12 | 26 | 90 | 22 | 30 | 28.3 | 42 | 30 | 145 |
| BT50-SFRB12-110-M42 | 12 | 26 | 110 | 42 | 30 | 30.4 | 42 | 30 | 165 |
| BT50-SFRB12-120-M22 | 12 | 26 | 120 | 22 | 60 | 28.3 | 42 | 30 | 175 |
| BT50-SFRB12-135-M67 | 12 | 26 | 135 | 67 | 30 | 33 | 42 | 30 | 190 |
| BT50-SFRB12-140-M42 | 12 | 26 | 140 | 42 | 60 | 30.4 | 42 | 30 | 195 |
| BT50-SFRB12-165-M67 | 12 | 26 | 165 | 67 | 60 | 33 | 42 | 30 | 220 |

## Shrink Chuck, 3°, Regular, Form B
## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



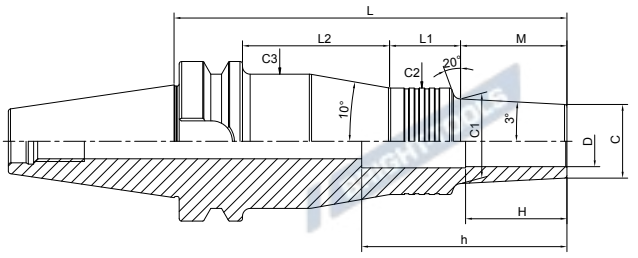



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT50-SFRB16-90-M22 | 16 | 32 | 90 | 22 | 30 | 34.3 | 42 | 32 | 145 |
| BT50-SFRB16-110-M42 | 16 | 32 | 110 | 42 | 30 | 36.4 | 42 | 32 | 165 |
| BT50-SFRB16-120-M22 | 16 | 32 | 120 | 22 | 60 | 34.3 | 42 | 32 | 175 |
| BT50-SFRB16-135-M67 | 16 | 32 | 135 | 67 | 30 | 39 | 42 | 32 | 190 |
| BT50-SFRB16-140-M42 | 16 | 32 | 140 | 42 | 60 | 36.4 | 42 | 32 | 195 |
| BT50-SFRB16-165-M67 | 16 | 32 | 165 | 67 | 60 | 39 | 42 | 32 | 220 |
| | | | | | | | | | |
| BT50-SFRB20-110-M42 | 20 | 38 | 110 | 42 | 30 | 42.4 | 53 | 40 | 165 |
| BT50-SFRB20-135-M67 | 20 | 38 | 135 | 67 | 30 | 45 | 53 | 40 | 190 |
| BT50-SFRB20-140-M42 | 20 | 38 | 140 | 42 | 60 | 42.4 | 53 | 40 | 195 |
| BT50-SFRB20-165-M67 | 20 | 38 | 165 | 67 | 60 | 45 | 53 | 40 | 220 |
| | | | | | | | | | |
| BT50-SFRB25-110-M42 | 25 | 45 | 110 | 42 | 30 | 49.4 | 53 | 45 | 165 |
| BT50-SFRB25-140-M42 | 25 | 45 | 140 | 42 | 60 | 49.4 | 53 | 45 | 195 |
| BT50-SFRB32-110-M42 | 32 | 54 | 110 | 42 | 30 | 58.4 | 63 | 50 | 160 |
| BT50-SFRB32-140-M42 | 32 | 54 | 140 | 42 | 60 | 58.4 | 63 | 50 | 171 |

## Shrink Chuck, 3°, Regular, Form B
## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





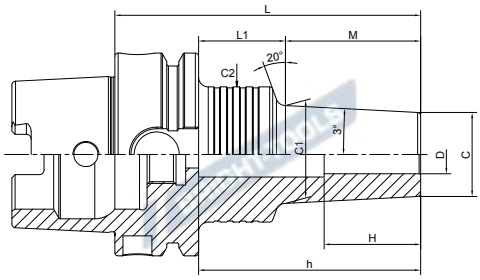

| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BT50-SFRB06-150-M22 | 06 | 14 | 150 | 22 | 30 | 60 | 16.3 | 32 | 46 | 18 | 205 |
| BT50-SFRB06-170-M42 | 06 | 14 | 170 | 42 | 30 | 60 | 18.4 | 32 | 46 | 18 | 225 |
| BT50-SFRB06-195-M67 | 06 | 14 | 195 | 67 | 30 | 60 | 21 | 32 | 46 | 18 | 250 |
| BT50-SFRB08-150-M22 | 08 | 18 | 150 | 22 | 30 | 60 | 20.3 | 32 | 46 | 24 | 205 |
| BT50-SFRB08-170-M42 | 08 | 18 | 170 | 42 | 28 | 62 | 22.4 | 36 | 50 | 24 | 225 |
| BT50-SFRB08-195-M67 | 08 | 18 | 195 | 67 | 30 | 60 | 25 | 32 | 46 | 24 | 250 |
| BT50-SFRB10-150-M22 | 10 | 22 | 150 | 22 | 30 | 60 | 24.3 | 32 | 46 | 30 | 205 |
| BT50-SFRB10-170-M42 | 10 | 22 | 170 | 42 | 28 | 62 | 26.4 | 36 | 50 | 30 | 225 |
| BT50-SFRB10-195-M67 | 10 | 22 | 195 | 67 | 28 | 62 | 29 | 42 | 56 | 30 | 250 |
| BT50-SFRB12-150-M22 | 12 | 26 | 150 | 22 | 28 | 62 | 28.3 | 42 | 56 | 30 | 205 |
| BT50-SFRB12-170-M42 | 12 | 26 | 170 | 42 | 28 | 62 | 30.4 | 42 | 56 | 30 | 225 |
| BT50-SFRB12-195-M67 | 12 | 26 | 195 | 67 | 28 | 62 | 33 | 42 | 56 | 30 | 250 |
| BT50-SFRB16-150-M22 | 16 | 32 | 150 | 22 | 28 | 62 | 34.3 | 42 | 56 | 32 | 205 |
| BT50-SFRB16-170-M42 | 16 | 32 | 170 | 42 | 28 | 62 | 36.4 | 42 | 56 | 32 | 225 |
| BT50-SFRB16-195-M67 | 16 | 32 | 195 | 67 | 28 | 62 | 39.0 | 42 | 56 | 32 | 250 |
| BT50-SFRB20-170-M42 | 20 | 38 | 170 | 42 | 28 | 62 | 42.4 | 53 | 67 | 40 | 225 |
| BT50-SFRB20-195-M67 | 20 | 38 | 195 | 67 | 28 | 62 | 45 | 53 | 67 | 40 | 250 |
| BT50-SFRB25-170-M42 | 25 | 45 | 170 | 42 | 28 | 62 | 49.4 | 53 | 67 | 45 | 195 |
| BT50-SFRB32-170-M42 | 32 | 54 | 170 | 42 | 28 | 62 | 58.4 | 63 | 77 | 50 | 171 |

## Shrink Chuck, 3°, Regular, Form B

## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





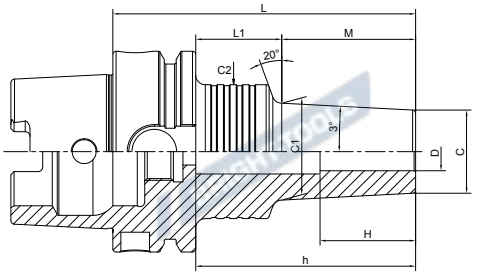

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK50A-SFRB06-75-M22 | 06 | 14 | 75 | 22 | 27 | 16.3 | 32 | 18 | 50 |
| HSK50A-SFRB06-95-M42 | 06 | 14 | 95 | 42 | 27 | 18.4 | 32 | 18 | 70 |
| HSK50A-SFRB06-125-M42 | 06 | 14 | 125 | 42 | 57 | 18.4 | 32 | 18 | 100 |
| | | | | | | | | | |
| HSK50A-SFRB08-75-M22 | 08 | 18 | 75 | 22 | 27 | 20.3 | 32 | 24 | 50 |
| HSK50A-SFRB08-95-M42 | 08 | 18 | 95 | 42 | 27 | 22.4 | 32 | 24 | 70 |
| HSK50A-SFRB08-125-M42 | 08 | 18 | 125 | 42 | 57 | 22.4 | 32 | 24 | 100 |
| | | | | | | | | | |
| HSK50A-SFRB10-75-M22 | 10 | 22 | 75 | 22 | 27 | 24.3 | 32 | 30 | 50 |
| HSK50A-SFRB10-95-M42 | 10 | 22 | 95 | 42 | 27 | 26.4 | 32 | 30 | 70 |
| HSK50A-SFRB10-125-M42 | 10 | 22 | 125 | 42 | 57 | 26.4 | 32 | 30 | 100 |
| | | | | | | | | | |
| HSK50A-SFRB12-75-M42 | 12 | 26 | 75 | 22 | 27 | 28.3 | 42 | 30 | 52 |
| HSK50A-SFRB12-95-M42 | 12 | 26 | 95 | 42 | 27 | 30.4 | 42 | 30 | 72 |
| HSK50A-SFRB12-125-M42 | 12 | 26 | 125 | 42 | 57 | 30.4 | 42 | 30 | 98 |
| | | | | | | | | | |
| HSK50A-SFRB16-75-M22 | 16 | 32 | 75 | 22 | 27 | 34.3 | 42 | 32 | 52 |
| HSK50A-SFRB16-105-M22 | 16 | 32 | 105 | 22 | 57 | 34.3 | 42 | 32 | 78 |
| | | | | | | | | | |
| HSK50A-SFRB20-75-M22 | 20 | 38 | 75 | 22 | 27 | 40.3 | 49 | 40 | 51 |
| HSK50A-SFRB20-105-M22 | 20 | 38 | 105 | 22 | 57 | 40.3 | 49 | 40 | 76 |

## Shrink Chuck, 3°, Regular, Form B

## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



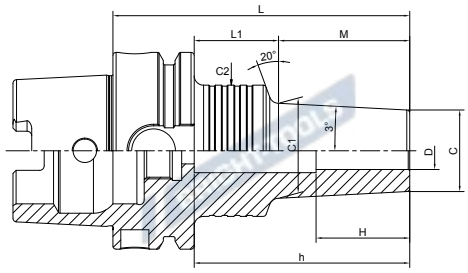



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFRB06-75-M22 | 06 | 14 | 75 | 22 | 27 | 16.3 | 32 | 18 | 49 |
| HSK63A-SFRB06-95-M42 | 06 | 14 | 95 | 42 | 27 | 18.4 | 32 | 18 | 69 |
| HSK63A-SFRB06-105-M22 | 06 | 14 | 105 | 22 | 57 | 16.3 | 32 | 18 | 79 |
| HSK63A-SFRB06-120-M67 | 06 | 14 | 120 | 67 | 27 | 21 | 32 | 18 | 94 |
| HSK63A-SFRB06-125-M42 | 06 | 14 | 125 | 42 | 57 | 18.4 | 32 | 18 | 99 |
| HSK63A-SFRB06-150-M67 | 06 | 14 | 150 | 67 | 57 | 21 | 32 | 18 | 124 |
| | | | | | | | | | |
| HSK63A-SFRB08-75-M22 | 08 | 18 | 75 | 22 | 27 | 20.3 | 32 | 24 | 49 |
| HSK63A-SFRB08-95-M42 | 08 | 18 | 95 | 42 | 27 | 22.4 | 32 | 24 | 69 |
| HSK63A-SFRB08-105-M22 | 08 | 18 | 105 | 22 | 57 | 20.3 | 32 | 24 | 79 |
| HSK63A-SFRB08-120-M67 | 08 | 18 | 120 | 67 | 27 | 25 | 32 | 24 | 94 |
| HSK63A-SFRB08-125-M42 | 08 | 18 | 125 | 42 | 57 | 22.4 | 32 | 24 | 99 |
| HSK63A-SFRB08-150-M67 | 08 | 18 | 150 | 67 | 57 | 25 | 32 | 24 | 124 |
| | | | | | | | | | |
| HSK63A-SFRB10-75-M22 | 10 | 22 | 75 | 22 | 27 | 24.3 | 32 | 30 | 49 |
| HSK63A-SFRB10-95-M42 | 10 | 22 | 95 | 42 | 27 | 26.4 | 32 | 30 | 68 |
| HSK63A-SFRB10-105-M22 | 10 | 22 | 105 | 22 | 57 | 24.3 | 32 | 30 | 79 |
| HSK63A-SFRB10-120-M67 | 10 | 22 | 120 | 67 | 27 | 29 | 42 | 30 | 94 |
| HSK63A-SFRB10-125-M42 | 10 | 22 | 125 | 42 | 57 | 26.4 | 32 | 30 | 99 |
| HSK63A-SFRB10-150-M67 | 10 | 22 | 150 | 67 | 57 | 29 | 42 | 30 | 124 |
| | | | | | | | | | |
| HSK63A-SFRB12-75-M22 | 12 | 26 | 75 | 22 | 27 | 28.3 | 42 | 30 | 50 |
| HSK63A-SFRB12-95-M42 | 12 | 26 | 95 | 42 | 27 | 30.4 | 42 | 30 | 70 |
| HSK63A-SFRB12-105-M22 | 12 | 26 | 105 | 22 | 57 | 28.3 | 42 | 30 | 77 |
| HSK63A-SFRB12-120-M67 | 12 | 26 | 120 | 67 | 27 | 33 | 42 | 30 | 95 |
| HSK63A-SFRB12-125-M42 | 12 | 26 | 125 | 42 | 57 | 30.4 | 42 | 30 | 97 |
| HSK63A-SFRB12-150-M67 | 12 | 26 | 150 | 67 | 57 | 33 | 42 | 30 | 122 |
| HSK63A-SFRB12-155-M42 | 12 | 26 | 155 | 42 | 87 | 30.4 | 50 | 30 | 125 |

## Shrink Chuck, 3°, Regular, Form B
## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



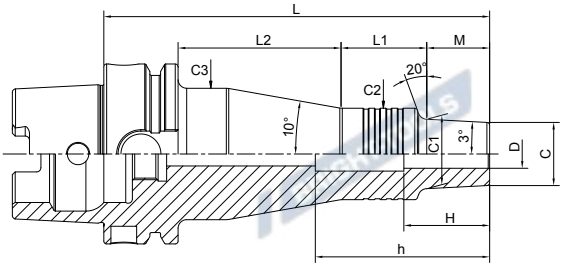



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFRB16-75-M22 | 16 | 32 | 75 | 22 | 27 | 34.3 | 42 | 32 | 50 |
| HSK63A-SFRB16-95-M42 | 16 | 32 | 95 | 42 | 27 | 36.4 | 42 | 32 | 70 |
| HSK63A-SFRB16-105-M22 | 16 | 32 | 105 | 22 | 57 | 34.3 | 42 | 32 | 77 |
| HSK63A-SFRB16-120-M67 | 16 | 32 | 120 | 67 | 27 | 39 | 42 | 32 | 95 |
| HSK63A-SFRB16-125-M42 | 16 | 32 | 125 | 42 | 57 | 36.4 | 42 | 32 | 97 |
| HSK63A-SFRB16-150-M67 | 16 | 32 | 150 | 67 | 57 | 39 | 42 | 32 | 122 |
| | | | | | | | | | |
| HSK63A-SFRB20-95-M42 | 20 | 38 | 95 | 42 | 27 | 42.4 | 53 | 40 | 70 |
| HSK63A-SFRB20-120-M67 | 20 | 38 | 120 | 67 | 27 | 45 | 53 | 40 | 95 |
| HSK63A-SFRB20-125-M42 | 20 | 38 | 125 | 42 | 57 | 42.4 | 53 | 40 | 96 |
| HSK63A-SFRB20-150-M67 | 20 | 38 | 150 | 67 | 57 | 45 | 53 | 40 | 120 |
| HSK63A-SFRB20-155-M42 | 20 | 38 | 155 | 42 | 87 | 42.4 | 53 | 40 | 125 |
| HSK63A-SFRB20-180-M67 | 20 | 38 | 180 | 67 | 87 | 45 | 53 | 40 | 150 |
| | | | | | | | | | |
| HSK63A-SFRB25-95-M42 | 25 | 45 | 95 | 42 | 27 | 49.4 | 53 | 45 | 70 |
| HSK63A-SFRB25-125-M42 | 25 | 45 | 125 | 42 | 57 | 49.4 | 53 | 45 | 96 |
| HSK63A-SFRB25-155-M42 | 25 | 45 | 155 | 42 | 87 | 49.4 | 53 | 45 | 126 |
| | | | | | | | | | |
| HSK63A-SFRB32-110-M42 | 32 | 54 | 110 | 42 | 42 | 58.4 | 63 | 50 | 84 |

## Shrink Chuck, 3°, Regular, Form B
## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





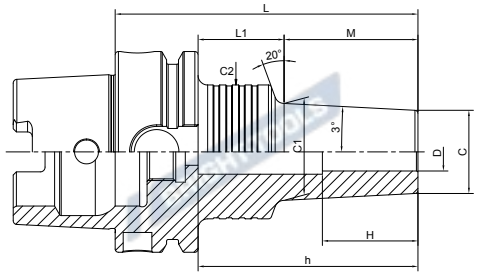

| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFRB06-135-M22 | 06 | 14 | 135 | 22 | 30 | 57 | 16.3 | 32 | 46 | 18 | 109 |
| HSK63A-SFRB06-155-M42 | 06 | 14 | 155 | 42 | 30 | 57 | 18.4 | 32 | 46 | 18 | 129 |
| HSK63A-SFRB06-180-M67 | 06 | 14 | 180 | 67 | 30 | 57 | 21 | 32 | 46 | 18 | 154 |
| | | | | | | | | | | | |
| HSK63A-SFRB08-135-M22 | 08 | 18 | 135 | 22 | 30 | 57 | 20.3 | 32 | 46 | 24 | 109 |
| HSK63A-SFRB08-155-M42 | 08 | 18 | 155 | 42 | 30 | 57 | 22.4 | 32 | 46 | 24 | 129 |
| HSK63A-SFRB08-180-M67 | 08 | 18 | 180 | 67 | 30 | 57 | 25 | 32 | 46 | 24 | 155 |
| | | | | | | | | | | | |
| HSK63A-SFRB10-135-M22 | 10 | 22 | 135 | 22 | 30 | 57 | 24.3 | 32 | 46 | 30 | 109 |
| HSK63A-SFRB10-155-M42 | 10 | 22 | 155 | 42 | 30 | 57 | 26.4 | 32 | 46 | 30 | 129 |
| HSK63A-SFRB10-180-M67 | 10 | 22 | 180 | 67 | 28 | 59 | 29 | 42 | 53 | 30 | 154 |
| | | | | | | | | | | | |
| HSK63A-SFRB12-135-M22 | 12 | 26 | 135 | 22 | 28 | 59 | 28.3 | 42 | 53 | 30 | 107 |
| HSK63A-SFRB12-180-M67 | 12 | 26 | 180 | 67 | 28 | 59 | 33 | 42 | 53 | 30 | 152 |
| | | | | | | | | | | | |
| HSK63A-SFRB16-135-M22 | 16 | 32 | 135 | 22 | 28 | 59 | 34.3 | 42 | 53 | 32 | 107 |
| HSK63A-SFRB16-155-M42 | 16 | 32 | 155 | 42 | 28 | 59 | 36.4 | 42 | 53 | 32 | 127 |
| HSK63A-SFRB16-180-M67 | 16 | 32 | 180 | 67 | 28 | 59 | 39 | 42 | 53 | 32 | 152 |

## Shrink Chuck, 3°, Regular, Form B

## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





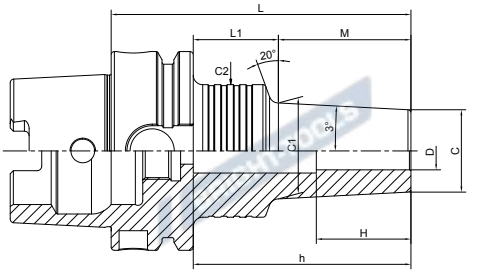

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFRB06-90-M22 | 06 | 14 | 90 | 22 | 39 | 16.3 | 32 | 18 | 61 |
| HSK100A-SFRB06-110-M42 | 06 | 14 | 110 | 42 | 39 | 18.4 | 32 | 18 | 81 |
| HSK100A-SFRB06-120-M22 | 06 | 14 | 120 | 22 | 69 | 16.3 | 32 | 18 | 91 |
| HSK100A-SFRB06-135-M67 | 06 | 14 | 135 | 67 | 39 | 21 | 32 | 18 | 106 |
| HSK100A-SFRB06-140-M42 | 06 | 14 | 140 | 42 | 69 | 18.4 | 32 | 18 | 111 |
| HSK100A-SFRB06-165-M67 | 06 | 14 | 165 | 67 | 69 | 21 | 32 | 18 | 136 |
| | | | | | | | | | |
| HSK100A-SFRB08-90-M22 | 08 | 18 | 90 | 22 | 39 | 20.3 | 32 | 24 | 61 |
| HSK100A-SFRB08-110-M42 | 08 | 18 | 110 | 42 | 39 | 22.4 | 32 | 24 | 81 |
| HSK100A-SFRB08-120-M22 | 08 | 18 | 120 | 22 | 69 | 20.3 | 32 | 24 | 91 |
| HSK100A-SFRB08-135-M67 | 08 | 18 | 135 | 67 | 39 | 25 | 32 | 24 | 106 |
| HSK100A-SFRB08-140-M42 | 08 | 18 | 140 | 42 | 69 | 22.4 | 32 | 24 | 111 |
| HSK100A-SFRB08-165-M67 | 08 | 18 | 165 | 67 | 69 | 25 | 32 | 24 | 136 |
| | | | | | | | | | |
| HSK100A-SFRB10-90-M22 | 10 | 22 | 90 | 22 | 39 | 24.3 | 32 | 30 | 61 |
| HSK100A-SFRB10-110-M42 | 10 | 22 | 110 | 42 | 39 | 26.4 | 32 | 30 | 81 |
| HSK100A-SFRB10-120-M22 | 10 | 22 | 120 | 22 | 69 | 24.3 | 32 | 30 | 91 |
| HSK100A-SFRB10-135-M67 | 10 | 22 | 135 | 67 | 39 | 29 | 42 | 30 | 106 |
| HSK100A-SFRB10-140-M42 | 10 | 22 | 140 | 42 | 69 | 26.4 | 32 | 30 | 111 |
| HSK100A-SFRB10-165-M67 | 10 | 22 | 165 | 67 | 69 | 29 | 36 | 30 | 135 |
| | | | | | | | | | |
| HSK100A-SFRB12-90-M22 | 12 | 26 | 90 | 22 | 39 | 28.3 | 42 | 30 | 58 |
| HSK100A-SFRB12-110-M42 | 12 | 26 | 110 | 42 | 39 | 30.4 | 42 | 30 | 78 |
| HSK100A-SFRB12-120-M22 | 12 | 26 | 120 | 22 | 69 | 28.3 | 42 | 30 | 87 |
| HSK100A-SFRB12-135-M67 | 12 | 26 | 135 | 67 | 39 | 33 | 42 | 30 | 103 |
| HSK100A-SFRB12-140-M42 | 12 | 26 | 140 | 42 | 69 | 30.4 | 42 | 30 | 107 |
| HSK100A-SFRB12-150-M22 | 12 | 26 | 150 | 22 | 99 | 28.3 | 50 | 30 | 117 |
| HSK100A-SFRB12-165-M67 | 12 | 26 | 165 | 67 | 69 | 33 | 42 | 30 | 132 |
| HSK100A-SFRB12-170-M42 | 12 | 26 | 170 | 42 | 99 | 30.4 | 50 | 30 | 135 |

## Shrink Chuck, 3°, Regular, Form B

## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





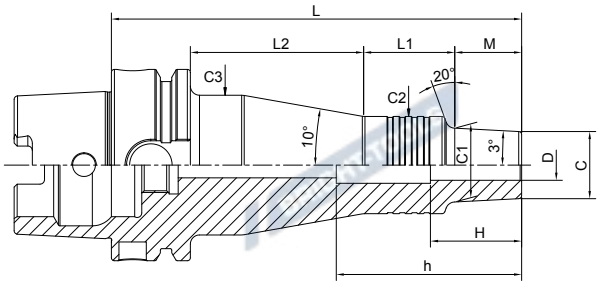

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFRB16-90-M22 | 16 | 32 | 90 | 22 | 39 | 34.3 | 42 | 32 | 58 |
| HSK100A-SFRB16-110-M42 | 16 | 32 | 110 | 42 | 39 | 36.4 | 42 | 32 | 78 |
| HSK100A-SFRB16-120-M22 | 16 | 32 | 120 | 22 | 69 | 34.3 | 42 | 32 | 87 |
| HSK100A-SFRB16-135-M67 | 16 | 32 | 135 | 67 | 39 | 39 | 42 | 32 | 103 |
| HSK100A-SFRB16-140-M42 | 16 | 32 | 140 | 42 | 69 | 36.4 | 42 | 32 | 107 |
| HSK100A-SFRB16-150-M22 | 16 | 32 | 150 | 22 | 99 | 34.3 | 50 | 32 | 115 |
| HSK100A-SFRB16-165-M67 | 16 | 32 | 165 | 67 | 69 | 39 | 42 | 32 | 132 |
| | | | | | | | | | |
| HSK100A-SFRB20-110-M42 | 20 | 38 | 110 | 42 | 39 | 42.4 | 53 | 40 | 78 |
| HSK100A-SFRB20-135-M67 | 20 | 38 | 135 | 67 | 39 | 45 | 53 | 40 | 103 |
| HSK100A-SFRB20-140-M42 | 20 | 38 | 140 | 42 | 69 | 42.4 | 53 | 40 | 105 |
| HSK100A-SFRB20-165-M67 | 20 | 38 | 165 | 67 | 69 | 45 | 53 | 40 | 130 |
| | | | | | | | | | |
| HSK100A-SFRB25-110-M42 | 25 | 45 | 110 | 42 | 39 | 49.6 | 53 | 45 | 78 |
| HSK100A-SFRB25-140-M42 | 25 | 45 | 140 | 42 | 69 | 49.6 | 50 | 45 | 105 |
| | | | | | | | | | |
| HSK100A-SFRB32-110-M42 | 32 | 54 | 110 | 42 | 39 | 58.4 | 63 | 50 | 77 |
| HSK100A-SFRB32-140-M42 | 32 | 54 | 140 | 42 | 69 | 58.4 | 63 | 50 | 107 |

## Shrink Chuck, 3°, Regular, Form B

## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



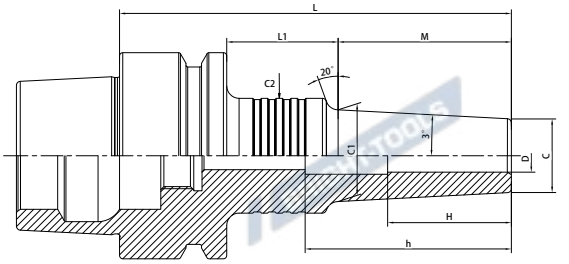



| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFRB06-150-M22 | 06 | 14 | 150 | 22 | 30 | 69 | 16.3 | 32 | 46 | 18 | 121 |
| HSK100A-SFRB06-170-M42 | 06 | 14 | 170 | 42 | 30 | 69 | 18.4 | 32 | 46 | 18 | 141 |
| HSK100A-SFRB06-195-M67 | 06 | 14 | 195 | 67 | 30 | 69 | 21 | 32 | 46 | 18 | 168 |
| HSK100A-SFRB08-150-M22 | 08 | 18 | 150 | 22 | 30 | 69 | 20.3 | 32 | 46 | 24 | 121 |
| HSK100A-SFRB08-170-M42 | 08 | 18 | 170 | 42 | 28 | 71 | 22.4 | 36 | 50 | 24 | 140 |
| HSK100A-SFRB08-195-M67 | 08 | 18 | 195 | 67 | 30 | 69 | 25 | 32 | 46 | 24 | 166 |
| HSK100A-SFRB10-150-M22 | 10 | 22 | 150 | 22 | 28 | 71 | 24.3 | 36 | 50 | 30 | 120 |
| HSK100A-SFRB10-170-M42 | 10 | 22 | 170 | 42 | 28 | 71 | 26.4 | 36 | 50 | 30 | 140 |
| HSK100A-SFRB10-195-M67 | 10 | 22 | 195 | 67 | 28 | 71 | 29 | 42 | 56 | 30 | 166 |
| HSK100A-SFRB12-195-M67 | 12 | 26 | 195 | 67 | 28 | 71 | 33 | 42 | 56 | 30 | 162 |
| HSK100A-SFRB16-170-M42 | 16 | 32 | 170 | 42 | 28 | 71 | 36.4 | 42 | 56 | 32 | 137 |
| HSK100A-SFRB16-195-M67 | 16 | 32 | 195 | 67 | 28 | 71 | 39 | 42 | 56 | 32 | 162 |
| | | | | | | | | | | | |
| HSK100A-SFRB20-170-M42 | 20 | 38 | 170 | 42 | 28 | 71 | 42.4 | 53 | 67 | 40 | 135 |
| HSK100A-SFRB20-195-M67 | 20 | 38 | 195 | 67 | 28 | 71 | 45 | 53 | 67 | 40 | 160 |
| HSK100A-SFRB25-170-M42 | 25 | 45 | 170 | 42 | 28 | 71 | 49.6 | 53 | 67 | 45 | 135 |
| HSK100A-SFRB32-170-M42 | 32 | 54 | 170 | 42 | 28 | 71 | 58.4 | 63 | 77 | 50 | 132 |

## Shrink Chuck, 3°, Regular, Form B
## 热缩刀柄 3 度，标准 B 型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



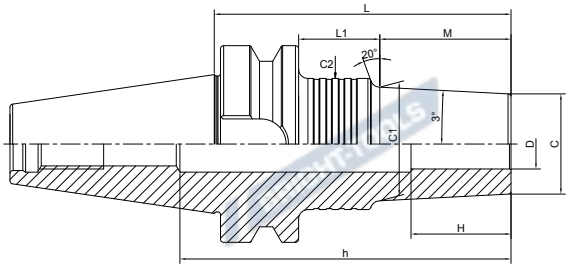



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK50E-SFRB06-95-M42 | 06 | 14 | 95 | 42 | 27 | 18.4 | 32 | 18 | 80 |
| | | | | | | | | | |
| HSK50E-SFRB08-95-M42 | 08 | 18 | 95 | 42 | 27 | 22.4 | 32 | 24 | 80 |
| HSK50E-SFRB08-120-M67 | 08 | 18 | 120 | 67 | 27 | 25 | 32 | 24 | 105 |
| | | | | | | | | | |
| HSK50E-SFRB10-95-M42 | 10 | 22 | 95 | 42 | 27 | 26.4 | 32 | 30 | 80 |
| HSK50E-SFRB10-120-M67 | 10 | 22 | 120 | 67 | 27 | 29 | 42 | 30 | 107 |
| | | | | | | | | | |
| HSK50E-SFRB12-95-M42 | 12 | 26 | 95 | 42 | 27 | 30.4 | 42 | 30 | 82 |
| HSK50E-SFRB12-120-M67 | 12 | 26 | 120 | 67 | 27 | 33 | 42 | 30 | 107 |
| | | | | | | | | | |
| HSK50E-SFRB16-75-M22 | 16 | 32 | 75 | 22 | 27 | 34.3 | 42 | 32 | 62 |

## Shrink Chuck, 3°, Regular, Coolant
## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



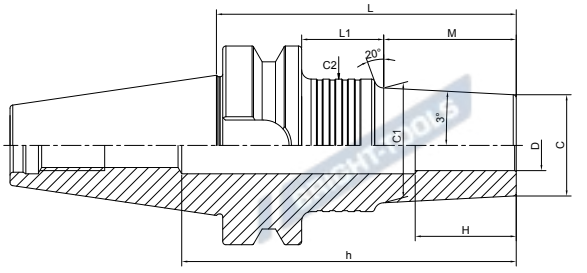



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT40-SFFB03-75-M22 | 03 | 9.5 | 75 | 22 | 26 | 11.8 | 25 | 9 | 110 |
| BT40-SFFB03-95-M42 | 03 | 9.5 | 95 | 42 | 26 | 13.9 | 25 | 9 | 130 |
| BT40-SFFB03-105-M22 | 03 | 9.5 | 105 | 22 | 56 | 11.8 | 25 | 9 | 140 |
| BT40-SFFB03-120-M67 | 03 | 9.5 | 120 | 67 | 26 | 16.5 | 25 | 9 | 155 |
| BT40-SFFB03-125-M42 | 03 | 9.5 | 125 | 42 | 56 | 13.9 | 25 | 9 | 160 |
| BT40-SFFB03-150-M67 | 03 | 9.5 | 150 | 67 | 56 | 16.5 | 25 | 9 | 185 |
| | | | | | | | | | |
| BT40-SFFB04-75-M22 | 04 | 12 | 75 | 22 | 26 | 14.3 | 25 | 12 | 110 |
| BT40-SFFB04-95-M42 | 04 | 12 | 95 | 42 | 26 | 16.4 | 25 | 12 | 130 |
| BT40-SFFB04-105-M22 | 04 | 12 | 105 | 22 | 56 | 14.3 | 25 | 12 | 140 |
| BT40-SFFB04-120-M67 | 04 | 12 | 120 | 67 | 26 | 19 | 25 | 12 | 155 |
| BT40-SFFB04-125-M42 | 04 | 12 | 125 | 42 | 56 | 16.4 | 25 | 12 | 160 |
| BT40-SFFB04-150-M67 | 04 | 12 | 150 | 67 | 56 | 19 | 25 | 12 | 185 |
| | | | | | | | | | |
| BT40-SFFB06-75-M22 | 06 | 14 | 75 | 22 | 26 | 16.3 | 32 | 18 | 110 |
| BT40-SFFB06-95-M42 | 06 | 14 | 95 | 42 | 26 | 18.4 | 32 | 18 | 130 |
| BT40-SFFB06-105-M22 | 06 | 14 | 105 | 22 | 56 | 16.3 | 32 | 18 | 140 |
| BT40-SFFB06-120-M67 | 06 | 14 | 120 | 67 | 26 | 21 | 32 | 18 | 155 |
| BT40-SFFB06-125-M42 | 06 | 14 | 125 | 42 | 56 | 18.4 | 32 | 18 | 160 |
| BT40-SFFB06-150-M67 | 06 | 14 | 150 | 67 | 56 | 21 | 32 | 18 | 185 |
| | | | | | | | | | |
| BT40-SFFB08-75-M22 | 08 | 18 | 75 | 22 | 26 | 20.3 | 32 | 24 | 110 |
| BT40-SFFB08-95-M42 | 08 | 18 | 95 | 42 | 26 | 22.4 | 32 | 24 | 130 |
| BT40-SFFB08-105-M22 | 08 | 18 | 105 | 22 | 56 | 20.3 | 32 | 24 | 140 |
| BT40-SFFB08-120-M67 | 08 | 18 | 120 | 67 | 26 | 25 | 32 | 24 | 155 |
| BT40-SFFB08-125-M42 | 08 | 18 | 125 | 42 | 56 | 22.4 | 32 | 24 | 160 |
| BT40-SFFB08-150-M67 | 08 | 18 | 150 | 67 | 56 | 25 | 32 | 24 | 185 |
| | | | | | | | | | |
| BT40-SFFB10-75-M22 | 10 | 22 | 75 | 22 | 26 | 24.3 | 32 | 30 | 110 |
| BT40-SFFB10-95-M42 | 10 | 22 | 95 | 42 | 26 | 26.4 | 32 | 30 | 130 |
| BT40-SFFB10-105-M22 | 10 | 22 | 105 | 22 | 56 | 24.3 | 32 | 30 | 140 |
| BT40-SFFB10-120-M67 | 10 | 22 | 120 | 67 | 26 | 29 | 42 | 30 | 155 |
| BT40-SFFB10-125-M42 | 10 | 22 | 125 | 42 | 56 | 26.4 | 32 | 30 | 160 |
| BT40-SFFB10-150-M67 | 10 | 22 | 150 | 67 | 56 | 29 | 42 | 30 | 185 |

## Shrink Chuck, 3°, Regular, Coolant
## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



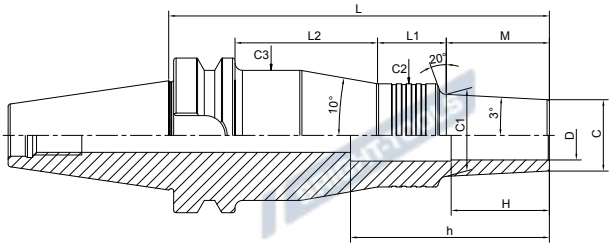



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT40-SFFB12-75-M22 | 12 | 26 | 75 | 22 | 26 | 28.3 | 42 | 30 | 110 |
| BT40-SFFB12-95-M42 | 12 | 26 | 95 | 42 | 26 | 30.4 | 42 | 30 | 130 |
| BT40-SFFB12-105-M22 | 12 | 26 | 105 | 22 | 56 | 28.3 | 42 | 30 | 140 |
| BT40-SFFB12-120-M67 | 12 | 26 | 120 | 67 | 26 | 33 | 42 | 30 | 155 |
| BT40-SFFB12-125-M42 | 12 | 26 | 125 | 42 | 56 | 30.4 | 42 | 30 | 160 |
| BT40-SFFB12-150-M67 | 12 | 26 | 150 | 67 | 56 | 33 | 42 | 30 | 185 |
| BT40-SFFB12-155-M42 | 12 | 26 | 155 | 42 | 86 | 30.4 | 50 | 30 | 190 |
| BT40-SFFB12-180-M67 | 12 | 26 | 180 | 67 | 86 | 33 | 50 | 30 | 215 |
| | | | | | | | | | |
| BT40-SFFB16-75-M22 | 16 | 32 | 75 | 22 | 26 | 34.3 | 42 | 32 | 85 |
| BT40-SFFB16-95-M42 | 16 | 32 | 95 | 42 | 26 | 36.4 | 42 | 32 | 105 |
| BT40-SFFB16-105-M22 | 16 | 32 | 105 | 22 | 56 | 34.3 | 42 | 32 | 115 |
| BT40-SFFB16-120-M67 | 16 | 32 | 120 | 67 | 26 | 39 | 42 | 32 | 130 |
| BT40-SFFB16-125-M42 | 16 | 32 | 125 | 42 | 56 | 36.4 | 42 | 32 | 135 |
| BT40-SFFB16-135-M22 | 16 | 32 | 135 | 22 | 86 | 34.3 | 50 | 32 | 145 |
| BT40-SFFB16-150-M67 | 16 | 32 | 150 | 67 | 56 | 39 | 42 | 32 | 160 |
| BT40-SFFB16-155-M42 | 16 | 32 | 155 | 42 | 86 | 36.4 | 50 | 32 | 165 |
| BT40-SFFB16-180-M67 | 16 | 32 | 180 | 67 | 86 | 39 | 50 | 32 | 190 |
| | | | | | | | | | |
| BT40-SFFB20-95-M42 | 20 | 38 | 95 | 42 | 26 | 42.4 | 53 | 40 | 105 |
| BT40-SFFB20-120-M67 | 20 | 38 | 120 | 67 | 26 | 45 | 53 | 40 | 130 |
| BT40-SFFB20-125-M42 | 20 | 38 | 125 | 42 | 56 | 42.4 | 53 | 40 | 135 |
| BT40-SFFB20-150-M67 | 20 | 38 | 150 | 67 | 56 | 45 | 50 | 40 | 160 |
| BT40-SFFB20-155-M42 | 20 | 38 | 155 | 42 | 86 | 42.4 | 50 | 40 | 165 |
| BT40-SFFB20-180-M67 | 20 | 38 | 180 | 67 | 86 | 45 | 50 | 40 | 190 |
| | | | | | | | | | |
| BT40-SFFB25-95-M42 | 25 | 45 | 95 | 42 | 26 | 49.4 | 53 | 45 | 105 |
| BT40-SFFB25-125-M42 | 25 | 45 | 125 | 42 | 56 | 49.4 | 53 | 45 | 135 |
| BT40-SFFB25-155-M42 | 25 | 45 | 155 | 42 | 86 | 49.4 | 53 | 45 | 165 |

## Shrink Chuck, 3°, Regular, Coolant
## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



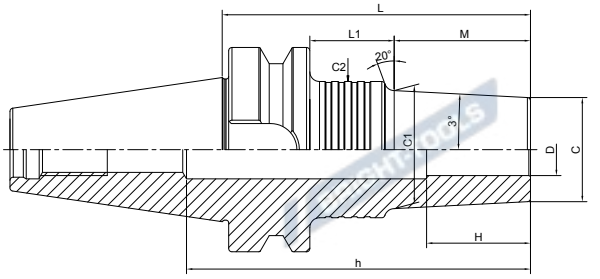



| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BT40-SFFB03-135-M22 | 03 | 9.5 | 135 | 22 | 33 | 53 | 11.8 | 25 | 39 | 9 | 170 |
| BT40-SFFB03-155-M42 | 03 | 9.5 | 155 | 42 | 33 | 53 | 13.9 | 25 | 39 | 9 | 190 |
| BT40-SFFB03-180-M67 | 03 | 9.5 | 180 | 67 | 33 | 53 | 16.5 | 26 | 40 | 9 | 215 |
| BT40-SFFB04-135-M22 | 04 | 12 | 135 | 22 | 33 | 53 | 14.3 | 25 | 39 | 12 | 170 |
| BT40-SFFB04-155-M42 | 04 | 12 | 155 | 42 | 33 | 53 | 16.4 | 25 | 39 | 12 | 190 |
| BT40-SFFB04-180-M67 | 04 | 12 | 180 | 67 | 33 | 53 | 19 | 25 | 39 | 12 | 215 |
| BT40-SFFB06-135-M22 | 06 | 14 | 135 | 22 | 30 | 56 | 16.3 | 32 | 46 | 18 | 170 |
| BT40-SFFB06-155-M42 | 06 | 14 | 155 | 42 | 30 | 56 | 18.4 | 32 | 46 | 18 | 190 |
| BT40-SFFB06-180-M67 | 06 | 14 | 180 | 67 | 30 | 56 | 21 | 36 | 46 | 18 | 215 |
| BT40-SFFB08-135-M22 | 08 | 18 | 135 | 22 | 30 | 56 | 20.3 | 32 | 46 | 24 | 170 |
| BT40-SFFB08-155-M42 | 08 | 18 | 155 | 42 | 30 | 56 | 22.4 | 32 | 46 | 24 | 190 |
| BT40-SFFB08-180-M67 | 08 | 18 | 180 | 67 | 28 | 58 | 25 | 36 | 50 | 24 | 215 |
| BT40-SFFB10-135-M22 | 10 | 22 | 135 | 22 | 30 | 56 | 24.3 | 32 | 46 | 30 | 170 |
| BT40-SFFB10-155-M42 | 10 | 22 | 155 | 42 | 28 | 58 | 26.4 | 36 | 50 | 30 | 190 |
| BT40-SFFB10-180-M67 | 10 | 22 | 180 | 67 | 28 | 58 | 29 | 36 | 50 | 30 | 215 |
| BT40-SFFB12-135-M22 | 12 | 26 | 135 | 22 | 28 | 58 | 28.3 | 42 | 53 | 30 | 145 |

## Shrink Chuck, 3°, Regular, Coolant
## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



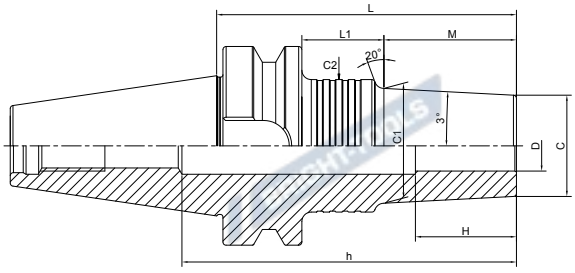



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT50-SFFB03-90-M22 | 03 | 9.5 | 90 | 22 | 30 | 11.8 | 26 | 9 | 145 |
| BT50-SFFB03-110-M42 | 03 | 9.5 | 110 | 42 | 30 | 13.9 | 26 | 9 | 165 |
| BT50-SFFB03-120-M22 | 03 | 9.5 | 120 | 22 | 60 | 11.8 | 25 | 9 | 175 |
| BT50-SFFB03-135-M67 | 03 | 9.5 | 135 | 67 | 30 | 16.5 | 26 | 9 | 190 |
| BT50-SFFB03-140-M42 | 03 | 9.5 | 140 | 42 | 60 | 13.9 | 25 | 9 | 195 |
| BT50-SFFB03-165-M67 | 03 | 9.5 | 165 | 67 | 60 | 16.5 | 26 | 9 | 220 |
| | | | | | | | | | |
| BT50-SFFB04-90-M22 | 04 | 12 | 90 | 22 | 30 | 14.3 | 26 | 12 | 145 |
| BT50-SFFB04-110-M42 | 04 | 12 | 110 | 42 | 30 | 16.4 | 26 | 12 | 165 |
| BT50-SFFB04-120-M22 | 04 | 12 | 120 | 22 | 60 | 14.3 | 25 | 12 | 175 |
| BT50-SFFB04-135-M67 | 04 | 12 | 135 | 67 | 30 | 19 | 26 | 12 | 190 |
| BT50-SFFB04-140-M42 | 04 | 12 | 140 | 42 | 60 | 16.4 | 26 | 12 | 195 |
| BT50-SFFB04-165-M67 | 04 | 12 | 165 | 67 | 60 | 19 | 26 | 12 | 220 |
| | | | | | | | | | |
| BT50-SFFB06-90-M22 | 06 | 14 | 90 | 22 | 30 | 16.3 | 32 | 18 | 145 |
| BT50-SFFB06-110-M42 | 06 | 14 | 110 | 42 | 30 | 18.4 | 32 | 18 | 165 |
| BT50-SFFB06-120-M22 | 06 | 14 | 120 | 22 | 60 | 16.3 | 32 | 18 | 175 |
| BT50-SFFB06-135-M67 | 06 | 14 | 135 | 67 | 30 | 21 | 32 | 18 | 190 |
| BT50-SFFB06-140-M42 | 06 | 14 | 140 | 42 | 60 | 18.4 | 32 | 18 | 195 |
| BT50-SFFB06-165-M67 | 06 | 14 | 165 | 67 | 60 | 21 | 32 | 18 | 220 |
| | | | | | | | | | |
| BT50-SFFB08-90-M22 | 08 | 18 | 90 | 22 | 30 | 20.3 | 32 | 24 | 145 |
| BT50-SFFB08-110-M42 | 08 | 18 | 110 | 42 | 30 | 22.4 | 32 | 24 | 165 |
| BT50-SFFB08-120-M22 | 08 | 18 | 120 | 22 | 60 | 20.3 | 32 | 24 | 175 |
| BT50-SFFB08-135-M67 | 08 | 18 | 135 | 67 | 30 | 25 | 32 | 24 | 190 |
| BT50-SFFB08-140-M42 | 08 | 18 | 140 | 42 | 60 | 22.4 | 32 | 24 | 195 |
| BT50-SFFB08-165-M67 | 08 | 18 | 165 | 67 | 60 | 25 | 32 | 24 | 220 |
| | | | | | | | | | |
| BT50-SFFB10-90-M22 | 10 | 22 | 90 | 22 | 30 | 24.3 | 32 | 30 | 145 |
| BT50-SFFB10-110-M42 | 10 | 22 | 110 | 42 | 30 | 26.4 | 32 | 30 | 165 |
| BT50-SFFB10-120-M22 | 10 | 22 | 120 | 22 | 60 | 24.3 | 32 | 30 | 175 |
| BT50-SFFB10-135-M67 | 10 | 22 | 135 | 67 | 30 | 29 | 42 | 30 | 190 |
| BT50-SFFB10-140-M42 | 10 | 22 | 140 | 42 | 60 | 26.4 | 36 | 30 | 195 |
| BT50-SFFB10-165-M67 | 10 | 22 | 165 | 67 | 60 | 29 | 42 | 30 | 220 |

## Shrink Chuck, 3°, Regular, Coolant
## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



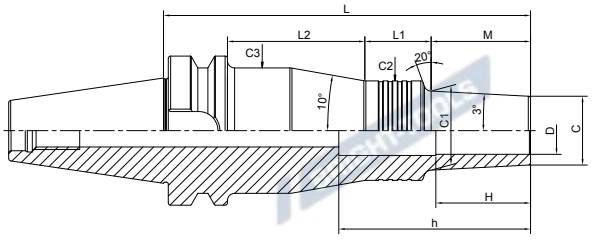



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| BT50-SFFB12-90-M22 | 12 | 26 | 90 | 22 | 30 | 28.3 | 42 | 30 | 145 |
| BT50-SFFB12-110-M42 | 12 | 26 | 110 | 42 | 30 | 30.4 | 42 | 30 | 165 |
| BT50-SFFB12-120-M22 | 12 | 26 | 120 | 22 | 60 | 28.3 | 42 | 30 | 175 |
| BT50-SFFB12-135-M67 | 12 | 26 | 135 | 67 | 30 | 33 | 42 | 30 | 190 |
| BT50-SFFB12-140-M42 | 12 | 26 | 140 | 42 | 60 | 30.4 | 42 | 30 | 195 |
| BT50-SFFB12-165-M67 | 12 | 26 | 165 | 67 | 60 | 33 | 42 | 30 | 220 |
| | | | | | | | | | |
| BT50-SFFB16-90-M22 | 16 | 32 | 90 | 22 | 30 | 34.3 | 42 | 32 | 145 |
| BT50-SFFB16-110-M42 | 16 | 32 | 110 | 42 | 30 | 36.4 | 42 | 32 | 165 |
| BT50-SFFB16-120-M22 | 16 | 32 | 120 | 22 | 60 | 34.3 | 42 | 32 | 175 |
| BT50-SFFB16-135-M67 | 16 | 32 | 135 | 67 | 30 | 39 | 42 | 32 | 190 |
| BT50-SFFB16-140-M42 | 16 | 32 | 140 | 42 | 60 | 36.4 | 42 | 32 | 195 |
| BT50-SFFB16-165-M67 | 16 | 32 | 165 | 67 | 60 | 39 | 42 | 32 | 220 |
| | | | | | | | | | |
| BT50-SFFB20-110-M42 | 20 | 38 | 110 | 42 | 30 | 42.4 | 53 | 40 | 165 |
| BT50-SFFB20-135-M67 | 20 | 38 | 135 | 67 | 30 | 45 | 53 | 40 | 190 |
| BT50-SFFB20-140-M42 | 20 | 38 | 140 | 42 | 60 | 42.4 | 53 | 40 | 195 |
| BT50-SFFB20-165-M67 | 20 | 38 | 165 | 67 | 60 | 45 | 53 | 40 | 220 |
| | | | | | | | | | |
| BT50-SFFB25-110-M42 | 25 | 45 | 110 | 42 | 30 | 49.4 | 53 | 45 | 165 |
| BT50-SFFB25-140-M42 | 25 | 45 | 140 | 42 | 60 | 49.4 | 53 | 45 | 195 |

## Shrink Chuck, 3°, Regular, Coolant
## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





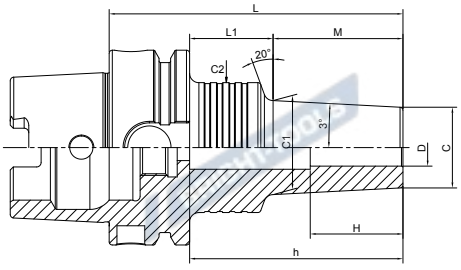

| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BT50-SFFB03-150-M22 | 03 | 9.5 | 150 | 22 | 33 | 57 | 11.8 | 25 | 39 | 9 | 205 |
| BT50-SFFB03-170-M42 | 03 | 9.5 | 170 | 42 | 33 | 57 | 13.9 | 25 | 39 | 9 | 225 |
| BT50-SFFB03-195-M67 | 03 | 9.5 | 195 | 67 | 33 | 57 | 16.5 | 25 | 39 | 9 | 250 |
| BT50-SFFB04-150-M22 | 04 | 12 | 150 | 22 | 33 | 57 | 14.3 | 25 | 39 | 12 | 205 |
| BT50-SFFB04-170-M42 | 04 | 12 | 170 | 42 | 33 | 57 | 16.4 | 26 | 40 | 12 | 225 |
| BT50-SFFB04-195-M67 | 04 | 12 | 195 | 67 | 33 | 57 | 19 | 26 | 40 | 12 | 250 |
| BT50-SFFB06-150-M22 | 06 | 14 | 150 | 22 | 30 | 60 | 16.3 | 32 | 46 | 18 | 205 |
| BT50-SFFB06-170-M42 | 06 | 14 | 170 | 42 | 30 | 60 | 18.4 | 32 | 46 | 18 | 225 |
| BT50-SFFB06-195-M67 | 06 | 14 | 195 | 67 | 30 | 60 | 21 | 32 | 46 | 18 | 250 |
| BT50-SFFB08-150-M22 | 08 | 18 | 150 | 22 | 30 | 60 | 20.3 | 32 | 46 | 24 | 205 |
| BT50-SFFB08-170-M42 | 08 | 18 | 170 | 42 | 30 | 60 | 22.4 | 32 | 46 | 24 | 225 |
| BT50-SFFB08-195-M67 | 08 | 18 | 195 | 67 | 30 | 60 | 25 | 32 | 46 | 24 | 250 |
| BT50-SFFB10-150-M22 | 10 | 22 | 150 | 22 | 30 | 60 | 24.3 | 32 | 46 | 30 | 205 |
| BT50-SFFB10-170-M42 | 10 | 22 | 170 | 42 | 30 | 60 | 26.4 | 32 | 46 | 30 | 225 |
| BT50-SFFB10-195-M67 | 10 | 22 | 195 | 67 | 28 | 62 | 29 | 42 | 56 | 30 | 250 |
| BT50-SFFB12-150-M22 | 12 | 26 | 150 | 22 | 28 | 62 | 28.3 | 42 | 56 | 30 | 205 |
| BT50-SFFB12-170-M42 | 12 | 26 | 170 | 42 | 28 | 62 | 30.4 | 42 | 56 | 30 | 225 |
| BT50-SFFB12-195-M67 | 12 | 26 | 195 | 67 | 28 | 62 | 33 | 42 | 56 | 30 | 250 |
| BT50-SFFB16-150-M22 | 16 | 32 | 150 | 22 | 28 | 62 | 34.3 | 42 | 56 | 32 | 205 |
| BT50-SFFB16-170-M42 | 16 | 32 | 170 | 42 | 28 | 62 | 36.4 | 42 | 56 | 32 | 225 |
| BT50-SFFB16-195-M67 | 16 | 32 | 195 | 67 | 28 | 62 | 39 | 42 | 56 | 32 | 250 |
| BT50-SFFB20-170-M42 | 20 | 38 | 170 | 42 | 28 | 62 | 42.4 | 53 | 67 | 40 | 225 |
| BT50-SFFB20-195-M67 | 20 | 38 | 195 | 67 | 28 | 62 | 45 | 53 | 67 | 40 | 250 |
| BT50-SFFB25-170-M42 | 25 | 45 | 170 | 42 | 28 | 62 | 49.4 | 53 | 67 | 45 | 195 |

## Shrink Chuck, 3°, Regular, Coolant

## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





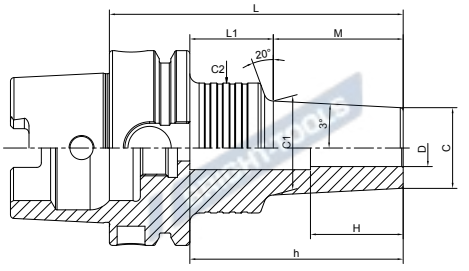

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK40A-SFFB03-65-M22 | 03 | 9.5 | 65 | 22 | 23 | 11.8 | 25 | 9 | 44 |
| HSK40A-SFFB03-85-M42 | 03 | 9.5 | 85 | 42 | 23 | 13.9 | 25 | 9 | 64 |
| | | | | | | | | | |
| HSK40A-SFFB04-65-M22 | 04 | 12 | 65 | 22 | 23 | 14.3 | 25 | 12 | 44 |
| HSK40A-SFFB04-85-M42 | 04 | 12 | 85 | 42 | 23 | 16.4 | 25 | 12 | 64 |
| | | | | | | | | | |
| HSK40A-SFFB06-70-M22 | 06 | 14 | 70 | 22 | 28 | 16.3 | 32 | 18 | 48 |
| HSK40A-SFFB06-90-M42 | 06 | 14 | 90 | 42 | 28 | 18.4 | 32 | 18 | 68 |
| | | | | | | | | | |
| HSK40A-SFFB08-70-M22 | 08 | 18 | 70 | 22 | 28 | 20.3 | 32 | 24 | 48 |
| HSK40A-SFFB08-90-M42 | 08 | 18 | 90 | 42 | 28 | 22.4 | 32 | 24 | 68 |
| | | | | | | | | | |
| HSK40A-SFFB10-70-M22 | 10 | 22 | 70 | 22 | 28 | 24.3 | 32 | 30 | 48 |
| HSK40A-SFFB10-90-M42 | 10 | 22 | 90 | 42 | 28 | 26.4 | 32 | 30 | 68 |
| | | | | | | | | | |
| HSK40A-SFFB12-70-M22 | 12 | 26 | 70 | 22 | 28 | 28.3 | 32 | 30 | 48 |

## Shrink Chuck, 3°, Regular, Coolant

## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





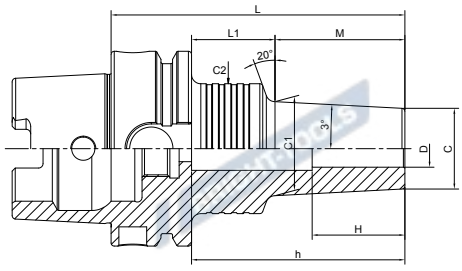

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFFB03-75-M22 | 03 | 9.5 | 75 | 22 | 27 | 11.8 | 25 | 9 | 50 |
| HSK63A-SFFB03-95-M42 | 03 | 9.5 | 95 | 42 | 27 | 13.9 | 25 | 9 | 70 |
| HSK63A-SFFB03-105-M22 | 03 | 9.5 | 105 | 22 | 57 | 11.8 | 26 | 9 | 80 |
| HSK63A-SFFB03-120-M67 | 03 | 9.5 | 120 | 67 | 27 | 16.5 | 26 | 9 | 95 |
| HSK63A-SFFB03-125-M42 | 03 | 9.5 | 125 | 42 | 57 | 13.9 | 26 | 9 | 100 |
| HSK63A-SFFB03-150-M67 | 03 | 9.5 | 150 | 67 | 57 | 16.5 | 26 | 9 | 125 |
| | | | | | | | | | |
| HSK63A-SFFB04-75-M22 | 04 | 12 | 75 | 22 | 27 | 14.3 | 25 | 12 | 50 |
| HSK63A-SFFB04-95-M42 | 04 | 12 | 95 | 42 | 27 | 16.4 | 25 | 12 | 70 |
| HSK63A-SFFB04-105-M22 | 04 | 12 | 105 | 22 | 57 | 14.3 | 25 | 12 | 80 |
| HSK63A-SFFB04-120-M67 | 04 | 12 | 120 | 67 | 27 | 19 | 25 | 12 | 95 |
| HSK63A-SFFB04-125-M42 | 04 | 12 | 125 | 42 | 57 | 16.4 | 25 | 12 | 100 |
| HSK63A-SFFB04-150-M67 | 04 | 12 | 150 | 67 | 57 | 19 | 25 | 12 | 125 |
| | | | | | | | | | |
| HSK63A-SFFB06-75-M22 | 06 | 14 | 75 | 22 | 27 | 16.3 | 32 | 18 | 49 |
| HSK63A-SFFB06-95-M42 | 06 | 14 | 95 | 42 | 27 | 18.4 | 32 | 18 | 69 |
| HSK63A-SFFB06-105-M22 | 06 | 14 | 105 | 22 | 57 | 16.3 | 32 | 18 | 79 |
| HSK63A-SFFB06-120-M67 | 06 | 14 | 120 | 67 | 27 | 21 | 32 | 18 | 64 |
| HSK63A-SFFB06-125-M42 | 06 | 14 | 125 | 42 | 57 | 18.4 | 32 | 18 | 99 |
| HSK63A-SFFB06-150-M67 | 06 | 14 | 150 | 67 | 57 | 21 | 32 | 18 | 124 |
| | | | | | | | | | |
| HSK63A-SFFB08-75-M22 | 08 | 18 | 75 | 22 | 27 | 20.3 | 32 | 24 | 49 |
| HSK63A-SFFB08-95-M42 | 08 | 18 | 95 | 42 | 27 | 22.4 | 32 | 24 | 69 |
| HSK63A-SFFB08-105-M22 | 08 | 18 | 105 | 22 | 57 | 20.3 | 32 | 24 | 79 |
| HSK63A-SFFB08-120-M67 | 08 | 18 | 120 | 67 | 27 | 25 | 32 | 24 | 94 |
| HSK63A-SFFB08-125-M42 | 08 | 18 | 125 | 42 | 57 | 22.4 | 32 | 24 | 99 |
| HSK63A-SFFB08-150-M67 | 08 | 18 | 150 | 67 | 57 | 25 | 32 | 24 | 124 |
| | | | | | | | | | |
| HSK63A-SFFB10-75-M22 | 10 | 22 | 75 | 22 | 27 | 24.3 | 32 | 30 | 49 |
| HSK63A-SFFB10-95-M42 | 10 | 22 | 95 | 42 | 27 | 26.4 | 32 | 30 | 69 |
| HSK63A-SFFB10-105-M22 | 10 | 22 | 105 | 22 | 57 | 24.3 | 32 | 30 | 79 |
| HSK63A-SFFB10-120-M67 | 10 | 22 | 120 | 67 | 27 | 29 | 42 | 30 | 94 |
| HSK63A-SFFB10-125-M42 | 10 | 22 | 125 | 42 | 57 | 26.4 | 32 | 30 | 99 |
| HSK63A-SFFB10-150-M67 | 10 | 22 | 150 | 67 | 57 | 29 | 42 | 30 | 124 |

## Shrink Chuck, 3°, Regular, Coolant

## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





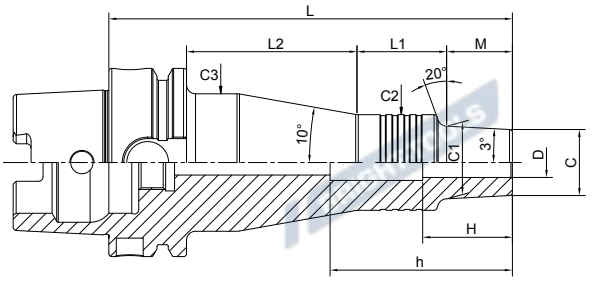

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFFB12-75-M22 | 12 | 26 | 75 | 22 | 27 | 28.3 | 42 | 30 | 50 |
| HSK63A-SFFB12-95-M42 | 12 | 26 | 95 | 42 | 27 | 30.4 | 42 | 30 | 70 |
| HSK63A-SFFB12-105-M22 | 12 | 26 | 105 | 22 | 57 | 28.3 | 42 | 30 | 77 |
| HSK63A-SFFB12-120-M67 | 12 | 26 | 120 | 67 | 27 | 33 | 42 | 30 | 95 |
| HSK63A-SFFB12-125-M42 | 12 | 26 | 125 | 42 | 57 | 30.4 | 42 | 30 | 97 |
| HSK63A-SFFB12-150-M67 | 12 | 26 | 150 | 67 | 57 | 33 | 42 | 30 | 122 |
| HSK63A-SFFB12-155-M42 | 12 | 26 | 155 | 42 | 86 | 30.4 | 50 | 30 | 125 |
| | | | | | | | | | |
| HSK63A-SFFB16-75-M22 | 16 | 32 | 75 | 22 | 27 | 34.3 | 42 | 32 | 50 |
| HSK63A-SFFB16-95-M42 | 16 | 32 | 95 | 42 | 27 | 36.4 | 42 | 32 | 70 |
| HSK63A-SFFB16-105-M22 | 16 | 32 | 105 | 22 | 57 | 34.3 | 42 | 32 | 77 |
| HSK63A-SFFB16-120-M67 | 16 | 32 | 120 | 67 | 27 | 39 | 42 | 32 | 95 |
| HSK63A-SFFB16-125-M42 | 16 | 32 | 125 | 42 | 57 | 36.4 | 42 | 32 | 97 |
| HSK63A-SFFB16-135-M22 | 16 | 32 | 135 | 22 | 28 | 34.3 | 42 | 32 | 107 |
| HSK63A-SFFB16-150-M67 | 16 | 32 | 150 | 67 | 57 | 39 | 50 | 32 | 120 |
| HSK63A-SFFB16-155-M42 | 16 | 32 | 155 | 42 | 86 | 36.4 | 50 | 32 | 125 |
| | | | | | | | | | |
| HSK63A-SFFB20-95-M42 | 20 | 38 | 95 | 42 | 27 | 42.4 | 53 | 40 | 70 |
| HSK63A-SFFB20-120-M67 | 20 | 38 | 120 | 67 | 27 | 45 | 53 | 40 | 95 |
| HSK63A-SFSA10-125-M42 | 20 | 38 | 125 | 42 | 57 | 42.4 | 53 | 40 | 96 |
| HSK63A-SFFB20-150-M67 | 20 | 38 | 150 | 67 | 57 | 45 | 50 | 40 | 120 |
| HSK63A-SFFB20-155-M42 | 20 | 38 | 155 | 42 | 87 | 42.4 | 50 | 40 | 125 |
| HSK63A-SFFB20-180-M67 | 20 | 38 | 180 | 67 | 87 | 45 | 50 | 40 | 180 |
| | | | | | | | | | |
| HSK63A-SFFB25-95-M42 | 25 | 45 | 95 | 42 | 27 | 49.4 | 53 | 45 | 70 |
| HSK63A-SFFB25-125-M42 | 25 | 45 | 125 | 42 | 57 | 49.4 | 53 | 45 | 96 |
| HSK63A-SFFB25-155-M42 | 25 | 45 | 155 | 42 | 87 | 49.4 | 53 | 45 | 126 |

## Shrink Chuck, 3°, Regular, Coolant

## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





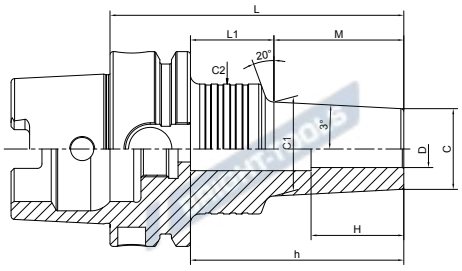

| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63A-SFFB03-135-M22 | 03 | 9.5 | 135 | 22 | 33 | 11.8 | 26 | 9 | 110 |
| HSK63A-SFFB03-155-M42 | 03 | 9.5 | 155 | 42 | 33 | 13.9 | 25 | 9 | 130 |
| HSK63A-SFFB03-180-M67 | 03 | 9.5 | 180 | 67 | 33 | 16.5 | 26 | 9 | 155 |
| HSK63A-SFFB04-135-M22 | 04 | 12 | 135 | 22 | 33 | 14.3 | 25 | 12 | 110 |
| HSK63A-SFFB04-155-M42 | 04 | 12 | 155 | 42 | 33 | 16.4 | 25 | 12 | 130 |
| HSK63A-SFFB04-180-M67 | 04 | 12 | 180 | 67 | 33 | 19 | 25 | 12 | 155 |
| HSK63A-SFFB06-135-M22 | 06 | 14 | 135 | 22 | 30 | 16.3 | 32 | 18 | 109 |
| HSK63A-SFFB06-155-M42 | 06 | 14 | 155 | 42 | 30 | 18.4 | 32 | 18 | 129 |
| HSK63A-SFFB06-180-M67 | 06 | 14 | 180 | 67 | 30 | 21 | 32 | 18 | 154 |
| HSK63A-SFFB08-135-M22 | 08 | 18 | 135 | 22 | 30 | 20.3 | 32 | 24 | 109 |
| HSK63A-SFFB08-155-M42 | 08 | 18 | 155 | 42 | 30 | 22.4 | 32 | 24 | 129 |
| HSK63A-SFFB08-180-M67 | 08 | 18 | 180 | 67 | 30 | 25 | 32 | 24 | 154 |
| HSK63A-SFFB10-135-M22 | 10 | 22 | 135 | 22 | 30 | 24.3 | 42 | 30 | 109 |
| HSK63A-SFFB10-155-M42 | 10 | 22 | 155 | 42 | 30 | 26.4 | 32 | 30 | 129 |
| HSK63A-SFFB10-180-M67 | 10 | 22 | 180 | 67 | 28 | 29 | 42 | 30 | 154 |
| HSK63A-SFFB12-135-M22 | 12 | 26 | 135 | 22 | 28 | 28.3 | 42 | 30 | 107 |
| HSK63A-SFFB12-180-M67 | 12 | 26 | 180 | 67 | 28 | 33 | 42 | 30 | 152 |
| HSK63A-SFFB16-180-M67 | 16 | 32 | 180 | 67 | 28 | 39 | 42 | 32 | 152 |

## Shrink Chuck, 3°, Regular, Coolant

## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



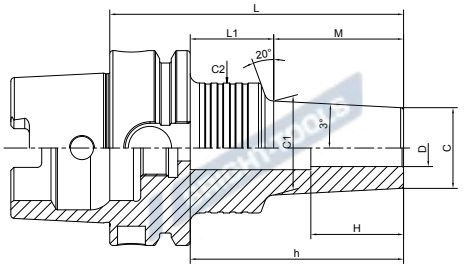



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFFB03-90-M22 | 03 | 9.5 | 90 | 22 | 39 | 11.8 | 26 | 9 | 60 |
| HSK100A-SFFB03-110-M42 | 03 | 9.5 | 110 | 42 | 39 | 13.9 | 26 | 9 | 80 |
| HSK100A-SFFB03-120-M22 | 03 | 9.5 | 120 | 22 | 69 | 11.8 | 26 | 9 | 90 |
| HSK100A-SFFB03-135-M67 | 03 | 9.5 | 135 | 67 | 39 | 16.5 | 26 | 9 | 105 |
| HSK100A-SFFB03-140-M42 | 03 | 9.5 | 140 | 42 | 69 | 13.9 | 25 | 9 | 111 |
| HSK100A-SFFB03-165-M67 | 03 | 9.5 | 165 | 67 | 69 | 16.5 | 26 | 9 | 135 |
| | | | | | | | | | |
| HSK100A-SFFB04-90-M22 | 04 | 12 | 90 | 22 | 39 | 14.3 | 26 | 12 | 61 |
| HSK100A-SFFB04-110-M42 | 04 | 12 | 110 | 42 | 39 | 16.4 | 26 | 12 | 81 |
| HSK100A-SFFB04-120-M22 | 04 | 12 | 120 | 22 | 69 | 14.3 | 25 | 12 | 91 |
| HSK100A-SFFB04-135-M67 | 04 | 12 | 135 | 67 | 39 | 19 | 26 | 12 | 105 |
| HSK100A-SFFB04-140-M42 | 04 | 12 | 140 | 42 | 69 | 16.4 | 26 | 12 | 111 |
| HSK100A-SFFB04-165-M67 | 04 | 12 | 165 | 67 | 69 | 19 | 26 | 12 | 135 |
| | | | | | | | | | |
| HSK100A-SFFB06-90-M22 | 06 | 14 | 90 | 22 | 39 | 16.3 | 32 | 18 | 61 |
| HSK100A-SFFB06-110-M42 | 06 | 14 | 110 | 42 | 39 | 18.4 | 32 | 18 | 81 |
| HSK100A-SFFB06-120-M22 | 06 | 14 | 120 | 22 | 69 | 16.3 | 32 | 18 | 91 |
| HSK100A-SFFB06-135-M67 | 06 | 14 | 135 | 67 | 39 | 21 | 36 | 18 | 105 |
| HSK100A-SFFB06-140-M42 | 06 | 14 | 140 | 42 | 69 | 18.4 | 32 | 18 | 111 |
| HSK100A-SFFB06-165-M67 | 06 | 14 | 165 | 67 | 69 | 21 | 32 | 18 | 136 |
| | | | | | | | | | |
| HSK100A-SFFB08-90-M22 | 08 | 18 | 90 | 22 | 39 | 20.3 | 36 | 24 | 60 |
| HSK100A-SFFB08-110-M42 | 08 | 18 | 110 | 42 | 39 | 22.4 | 36 | 24 | 80 |
| HSK100A-SFFB08-120-M22 | 08 | 18 | 120 | 22 | 69 | 20.3 | 32 | 24 | 91 |
| HSK100A-SFFB08-135-M67 | 08 | 18 | 135 | 67 | 39 | 25 | 36 | 24 | 105 |
| HSK100A-SFFB08-140-M42 | 08 | 18 | 140 | 42 | 69 | 22.4 | 36 | 24 | 110 |
| HSK100A-SFFB08-165-M67 | 08 | 18 | 165 | 67 | 69 | 25 | 36 | 24 | 136 |
| | | | | | | | | | |
| HSK100A-SFFB10-90-M22 | 10 | 22 | 90 | 22 | 39 | 24.3 | 32 | 30 | 61 |
| HSK100A-SFFB10-110-M42 | 10 | 22 | 110 | 42 | 39 | 26.4 | 32 | 30 | 81 |
| HSK100A-SFFB10-120-M22 | 10 | 22 | 120 | 22 | 69 | 24.3 | 32 | 30 | 91 |
| HSK100A-SFFB10-135-M67 | 10 | 22 | 135 | 67 | 39 | 29 | 36 | 30 | 105 |
| HSK100A-SFFB10-140-M42 | 10 | 22 | 140 | 42 | 69 | 26.4 | 36 | 30 | 110 |
| HSK100A-SFFB10-165-M67 | 10 | 22 | 165 | 67 | 69 | 29 | 36 | 30 | 135 |

## Shrink Chuck, 3°, Regular, Coolant
## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



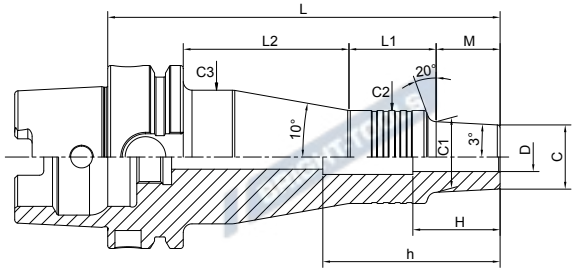



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFFB12-90-M22 | 12 | 26 | 90 | 22 | 39 | 28.3 | 42 | 30 | 58 |
| HSK100A-SFFB12-110-M42 | 12 | 26 | 110 | 42 | 39 | 30.4 | 42 | 30 | 78 |
| HSK100A-SFFB12-120-M22 | 12 | 26 | 120 | 22 | 69 | 28.3 | 42 | 30 | 87 |
| HSK100A-SFFB12-135-M67 | 12 | 26 | 135 | 67 | 39 | 33 | 50 | 30 | 100 |
| HSK100A-SFFB12-140-M42 | 12 | 26 | 140 | 42 | 69 | 30.4 | 50 | 30 | 105 |
| HSK100A-SFFB12-165-M67 | 12 | 26 | 165 | 67 | 69 | 33 | 42 | 30 | 132 |
| HSK100A-SFFB12-170-M42 | 12 | 26 | 170 | 42 | 99 | 30.4 | 50 | 30 | 135 |
| HSK100A-SFFB12-195-M67 | 12 | 26 | 195 | 67 | 28 | 33 | 42 | 30 | 162 |
| | | | | | | | | | |
| HSK100A-SFFB16-90-M22 | 16 | 32 | 90 | 22 | 39 | 34.3 | 42 | 32 | 58 |
| HSK100A-SFFB16-110-M42 | 16 | 32 | 110 | 42 | 39 | 36.4 | 42 | 32 | 75 |
| HSK100A-SFFB16-120-M22 | 16 | 32 | 120 | 22 | 69 | 34.3 | 42 | 32 | 87 |
| HSK100A-SFFB16-135-M67 | 16 | 32 | 135 | 67 | 39 | 39 | 42 | 32 | 103 |
| HSK100A-SFFB16-140-M42 | 16 | 32 | 140 | 42 | 69 | 36.4 | 42 | 32 | 107 |
| HSK100A-SFFB16-165-M67 | 16 | 32 | 165 | 67 | 69 | 39 | 42 | 32 | 132 |
| HSK100A-SFFB16-170-M42 | 16 | 32 | 170 | 42 | 99 | 36.4 | 50 | 32 | 135 |
| HSK100A-SFFB16-195-M67 | 16 | 32 | 195 | 67 | 28 | 39 | 50 | 32 | 162 |
| | | | | | | | | | |
| HSK100A-SFFB20-110-M42 | 20 | 38 | 110 | 42 | 39 | 42.4 | 53 | 40 | 78 |
| HSK100A-SFFB20-135-M67 | 20 | 38 | 135 | 67 | 39 | 45 | 53 | 40 | 103 |
| HSK100A-SFFB20-140-M42 | 20 | 38 | 140 | 42 | 69 | 42.4 | 53 | 40 | 105 |
| HSK100A-SFFB20-165-M67 | 20 | 38 | 165 | 67 | 69 | 45 | 53 | 40 | 130 |
| HSK100A-SFFB20-170-M42 | 20 | 38 | 170 | 42 | 28 | 42.4 | 53 | 40 | 135 |
| HSK100A-SFFB20-195-M67 | 20 | 38 | 195 | 67 | 99 | 45 | 50 | 40 | 160 |
| | | | | | | | | | |
| HSK100A-SFFB25-110-M42 | 25 | 45 | 110 | 42 | 39 | 49.6 | 53 | 45 | 78 |
| HSK100A-SFFB25-140-M42 | 25 | 45 | 140 | 42 | 69 | 49.6 | 50 | 45 | 105 |

## Shrink Chuck, 3°, Regular, Coolant
## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



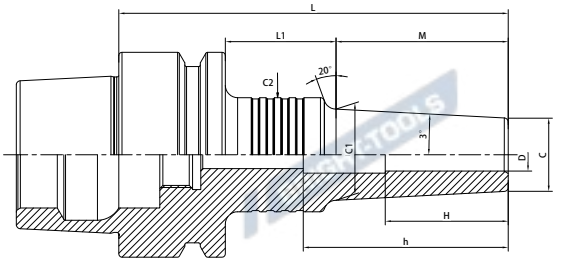



| Size | D | C | L | M | L1 | L2 | C1 | C2 | C3 | H | h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK100A-SFFB03-150-M22 | 03 | 9.5 | 150 | 22 | 33 | 66 | 11.8 | 26 | 40 | 9 | 120 |
| HSK100A-SFFB03-170-M42 | 03 | 9.5 | 170 | 42 | 33 | 66 | 13.9 | 26 | 40 | 9 | 140 |
| HSK100A-SFFB03-195-M67 | 03 | 9.5 | 195 | 67 | 33 | 66 | 16.5 | 26 | 40 | 9 | 165 |
| HSK100A-SFFB04-150-M22 | 04 | 12 | 150 | 22 | 33 | 66 | 14.3 | 25 | 39 | 12 | 121 |
| HSK100A-SFFB04-170-M42 | 04 | 12 | 170 | 42 | 33 | 66 | 16.4 | 25 | 39 | 12 | 141 |
| HSK100A-SFFB04-195-M67 | 04 | 12 | 195 | 67 | 33 | 66 | 19 | 25 | 39 | 12 | 166 |
| HSK100A-SFFB06-150-M22 | 06 | 14 | 150 | 22 | 30 | 69 | 16.3 | 32 | 46 | 18 | 121 |
| HSK100A-SFFB06-170-M42 | 06 | 14 | 170 | 42 | 30 | 69 | 18.4 | 36 | 46 | 18 | 141 |
| HSK100A-SFFB06-195-M67 | 06 | 14 | 195 | 67 | 30 | 69 | 21 | 32 | 46 | 18 | 166 |
| HSK100A-SFFB08-150-M22 | 08 | 18 | 150 | 22 | 30 | 69 | 20.3 | 32 | 46 | 24 | 121 |
| HSK100A-SFFB08-170-M42 | 08 | 18 | 170 | 42 | 28 | 71 | 22.4 | 36 | 50 | 24 | 140 |
| HSK100A-SFFB08-195-M67 | 08 | 18 | 195 | 67 | 30 | 69 | 25 | 32 | 46 | 24 | 166 |
| HSK100A-SFFB10-150-M22 | 10 | 22 | 150 | 22 | 30 | 69 | 24.3 | 32 | 46 | 30 | 121 |
| HSK100A-SFFB10-170-M42 | 10 | 22 | 170 | 42 | 30 | 69 | 26.4 | 32 | 46 | 30 | 141 |
| HSK100A-SFFB10-195-M67 | 10 | 22 | 195 | 67 | 28 | 71 | 29 | 42 | 56 | 30 | 166 |
| HSK100A-SFFB12-150-M22 | 12 | 26 | 150 | 22 | 28 | 71 | 28.3 | 42 | 56 | 30 | 117 |
| HSK100A-SFFB16-150-M22 | 16 | 32 | 150 | 22 | 28 | 71 | 34.3 | 42 | 56 | 32 | 117 |
| HSK100A-SFFB25-170-M42 | 25 | 45 | 170 | 42 | 28 | 71 | 49.6 | 53 | 67 | 45 | 135 |

## Shrink Chuck, 3°, Regular, Coolant
## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



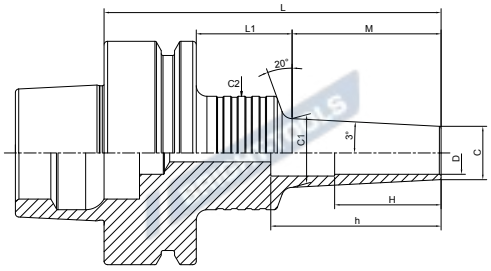



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK50E-SFFB03-75-M22 | 03 | 9.5 | 75 | 22 | 27 | 11.8 | 25 | 9 | 61 |
| HSK50E-SFFB04-75-M22 | 04 | 12 | 75 | 22 | 27 | 14.3 | 25 | 12 | 61 |
| | | | | | | | | | |
| HSK50E-SFFB06-75-M22 | 06 | 14 | 75 | 22 | 27 | 16.3 | 32 | 18 | 60 |
| HSK50E-SFFB08-75-M22 | 08 | 18 | 75 | 22 | 27 | 20.3 | 32 | 24 | 60 |
| | | | | | | | | | |
| HSK50E-SFFB10-75-M22 | 10 | 22 | 75 | 22 | 27 | 24.3 | 32 | 30 | 60 |
| HSK50E-SFFB12-75-M22 | 12 | 26 | 75 | 22 | 27 | 28.3 | 42 | 30 | 62 |
| HSK50E-SFFB16-75-M22 | 16 | 32 | 75 | 22 | 27 | 34.3 | 42 | 32 | 62 |

## Shrink Chuck, 3°, Regular, Coolant
## 热缩刀柄 3 度，端面出水型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



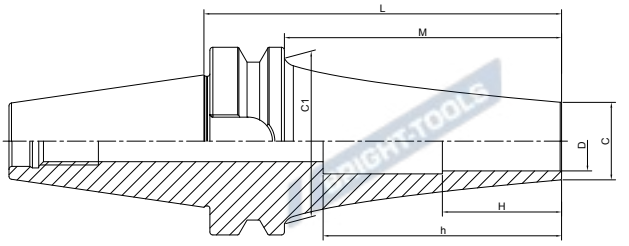



| Size | D | C | L | M | L1 | C1 | C2 | H | h |
|---|---|---|---|---|---|---|---|---|---|
| HSK63F-SFFB03-75-M22 | 03 | 9.5 | 75 | 22 | 27 | 11.8 | 25 | 9 | 58 |
| HSK63F-SFFB03-95-M42 | 03 | 9.5 | 95 | 42 | 27 | 13.9 | 25 | 9 | 78 |
| HSK63F-SFFB03-120-M67 | 03 | 9.5 | 120 | 67 | 27 | 16.5 | 25 | 9 | 103 |
| HSK63F-SFFB04-75-M22 | 04 | 12 | 75 | 22 | 27 | 14.3 | 25 | 12 | 53 |
| HSK63F-SFFB04-95-M42 | 04 | 12 | 95 | 42 | 27 | 16.4 | 25 | 12 | 78 |
| HSK63F-SFFB04-120-M67 | 04 | 12 | 120 | 67 | 27 | 19 | 25 | 12 | 98 |
| HSK63F-SFFB06-75-M22 | 06 | 14 | 75 | 22 | 27 | 16.3 | 32 | 18 | 58 |
| HSK63F-SFFB08-75-M22 | 08 | 18 | 75 | 22 | 27 | 20.3 | 32 | 24 | 58 |
| HSK63F-SFFB10-75-M22 | 10 | 22 | 75 | 22 | 27 | 24.3 | 32 | 30 | 54 |
| HSK63F-SFFB12-75-M22 | 12 | 26 | 75 | 22 | 27 | 28.3 | 42 | 30 | 54 |
| HSK63F-SFFB12-75-M22 | 12 | 26 | 75 | 22 | 27 | 28.3 | 42 | 30 | 54 |
| HSK63F-SFFB20-75-M22 | 20 | 38 | 75 | 22 | 27 | 40.3 | 50 | 40 | 53 |
| HSK63F-SFFB25-75-M22 | 25 | 45 | 75 | 22 | 27 | 47.3 | 50 | 45 | 53 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



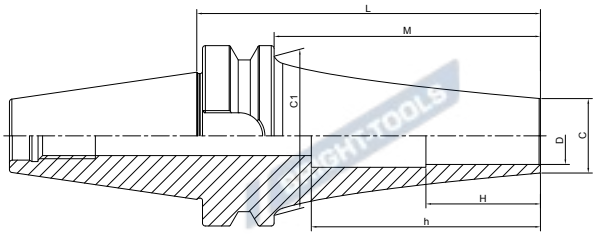



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| BT30-SFSA04-75 CV | 04 | 7 | 75 | 53 | 34 | 12 | 99 |
| BT30-SFSA04-90 CV | 04 | 7 | 90 | 68 | 34 | 12 | 114 |
| BT30-SFSA04-120 CV | 04 | 7 | 120 | 98 | 34 | 12 | 144 |
| BT30-SFRA04-90 CV | 04 | 10 | 90 | 68 | 34 | 12 | 114 |
| BT30-SFRA04-120 CV | 04 | 10 | 120 | 98 | 34 | 12 | 144 |
| BT30-SFSA06-75 CV | 06 | 9 | 75 | 53 | 34 | 18 | 99 |
| BT30-SFSA06-90 CV | 06 | 9 | 90 | 68 | 34 | 18 | 114 |
| BT30-SFSA06-120 CV | 06 | 9 | 120 | 98 | 34 | 18 | 144 |
| BT30-SFRA06-90 CV | 06 | 13 | 90 | 68 | 34 | 18 | 114 |
| BT30-SFRA06-120 CV | 06 | 13 | 120 | 98 | 34 | 18 | 144 |
| BT30-SFSA08-75 CV | 08 | 11 | 75 | 53 | 34 | 24 | 99 |
| BT30-SFSA08-90 CV | 08 | 11 | 90 | 68 | 34 | 24 | 114 |
| BT30-SFRA08-90 CV | 08 | 16 | 90 | 68 | 34 | 24 | 114 |
| BT30-SFSA10-75 CV | 10 | 13 | 75 | 53 | 34 | 30 | 99 |
| BT30-SFSA10-90 CV | 10 | 13 | 90 | 68 | 34 | 30 | 114 |
| BT30-SFRA10-90 CV | 10 | 19 | 90 | 68 | 34 | 30 | 114 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



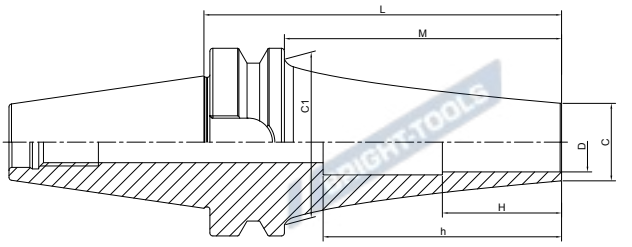



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| BT40-SFSA04-90 CV | 04 | 7 | 90 | 63 | 53 | 12 | 125 |
| BT40-SFSA04-120 CV | 04 | 7 | 120 | 93 | 53 | 12 | 155 |
| BT40-SFSA04-150 CV | 04 | 7 | 150 | 123 | 53 | 12 | 185 |
| BT40-SFSA04-180 CV | 04 | 7 | 180 | 153 | 53 | 12 | 215 |
| BT40-SFSA04-210 CV | 04 | 7 | 210 | 183 | 53 | 12 | 245 |
| BT40-SFSA04-240 CV | 04 | 7 | 240 | 213 | 53 | 12 | 275 |
| BT40-SFRA04-120 CV | 04 | 10 | 120 | 93 | 53 | 12 | 155 |
| BT40-SFRA04-150 CV | 04 | 10 | 150 | 123 | 53 | 12 | 185 |
| BT40-SFRA04-180 CV | 04 | 10 | 180 | 153 | 53 | 12 | 215 |
| BT40-SFRA04-210 CV | 04 | 10 | 210 | 183 | 53 | 12 | 245 |
| | | | | | | | |
| BT40-SFSA06-90 CV | 06 | 9 | 90 | 63 | 53 | 18 | 125 |
| BT40-SFSA06-120 CV | 06 | 9 | 120 | 93 | 53 | 18 | 155 |
| BT40-SFSA06-150 CV | 06 | 9 | 150 | 123 | 53 | 18 | 185 |
| BT40-SFSA06-180 CV | 06 | 9 | 180 | 153 | 53 | 18 | 215 |
| BT40-SFSA06-210 CV | 06 | 9 | 210 | 183 | 53 | 18 | 245 |
| BT40-SFSA06-240 CV | 06 | 9 | 240 | 213 | 53 | 18 | 275 |
| BT40-SFRA06-90 CV | 06 | 13 | 90 | 63 | 53 | 18 | 125 |
| BT40-SFRA06-120 CV | 06 | 13 | 120 | 93 | 53 | 18 | 155 |
| BT40-SFRA06-150 CV | 06 | 13 | 150 | 123 | 53 | 18 | 185 |
| BT40-SFRA06-180 CV | 06 | 13 | 180 | 153 | 53 | 18 | 215 |
| BT40-SFRA06-210 CV | 06 | 13 | 210 | 183 | 53 | 18 | 245 |
| BT40-SFFA06-90 CV | 06 | 13 | 90 | 63 | 53 | 18 | 125 |
| BT40-SFFA06-120 CV | 06 | 13 | 120 | 93 | 53 | 18 | 155 |
| BT40-SFFA06-150 CV | 06 | 13 | 150 | 123 | 53 | 18 | 185 |
| BT40-SFFA06-180 CV | 06 | 13 | 180 | 153 | 53 | 18 | 215 |
| BT40-SFFA06-210 CV | 06 | 13 | 210 | 183 | 53 | 18 | 245 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



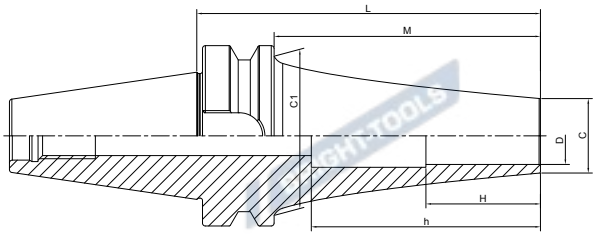



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| BT40-SFSA08-90 CV | 08 | 11 | 90 | 63 | 53 | 24 | 125 |
| BT40-SFSA08-120 CV | 08 | 11 | 120 | 93 | 53 | 24 | 155 |
| BT40-SFSA08-150 CV | 08 | 11 | 150 | 123 | 53 | 24 | 185 |
| BT40-SFSA08-180 CV | 08 | 11 | 180 | 153 | 53 | 24 | 215 |
| BT40-SFSA08-210 CV | 08 | 11 | 210 | 183 | 53 | 24 | 245 |
| BT40-SFSA08-240 CV | 08 | 11 | 240 | 213 | 53 | 24 | 275 |
| BT40-SFRA08-90 CV | 08 | 16 | 90 | 63 | 53 | 24 | 125 |
| BT40-SFRA08-120 CV | 08 | 16 | 120 | 93 | 53 | 24 | 155 |
| BT40-SFRA08-150 CV | 08 | 16 | 150 | 123 | 53 | 24 | 185 |
| BT40-SFRA08-180 CV | 08 | 16 | 180 | 153 | 53 | 24 | 215 |
| BT40-SFRA08-210 CV | 08 | 16 | 210 | 183 | 53 | 24 | 245 |
| BT40-SFFA08-90 CV | 08 | 16 | 90 | 63 | 53 | 24 | 125 |
| BT40-SFFA08-120 CV | 08 | 16 | 120 | 93 | 53 | 24 | 155 |
| BT40-SFFA08-150 CV | 08 | 16 | 150 | 123 | 53 | 24 | 185 |
| BT40-SFFA08-180 CV | 08 | 16 | 180 | 153 | 53 | 24 | 215 |
| BT40-SFFA08-210 CV | 08 | 16 | 210 | 183 | 53 | 24 | 245 |
| | | | | | | | |
| BT40-SFSA10-90 CV | 10 | 13 | 90 | 63 | 53 | 30 | 125 |
| BT40-SFSA10-120 CV | 10 | 13 | 120 | 93 | 53 | 30 | 155 |
| BT40-SFSA10-150 CV | 10 | 13 | 150 | 123 | 53 | 30 | 185 |
| BT40-SFSA10-180 CV | 10 | 13 | 180 | 153 | 53 | 30 | 215 |
| BT40-SFSA10-210 CV | 10 | 13 | 210 | 183 | 53 | 30 | 245 |
| BT40-SFSA10-240 CV | 10 | 13 | 240 | 213 | 53 | 30 | 275 |
| BT40-SFRA10-90 CV | 10 | 19 | 90 | 63 | 53 | 30 | 125 |
| BT40-SFRA10-120 CV | 10 | 19 | 120 | 93 | 53 | 30 | 155 |
| BT40-SFRA10-150 CV | 10 | 19 | 150 | 123 | 53 | 30 | 185 |
| BT40-SFRA10-180 CV | 10 | 19 | 180 | 153 | 53 | 30 | 215 |
| BT40-SFRA10-210 CV | 10 | 19 | 210 | 183 | 53 | 30 | 245 |
| BT40-SFFA10-90 CV | 10 | 19 | 90 | 63 | 53 | 30 | 125 |
| BT40-SFFA10-120 CV | 10 | 19 | 120 | 93 | 53 | 30 | 155 |
| BT40-SFFA10-150 CV | 10 | 19 | 150 | 123 | 53 | 30 | 185 |
| BT40-SFFA10-180 CV | 10 | 19 | 180 | 153 | 53 | 30 | 215 |
| BT40-SFFA10-210 CV | 10 | 19 | 210 | 183 | 53 | 30 | 245 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



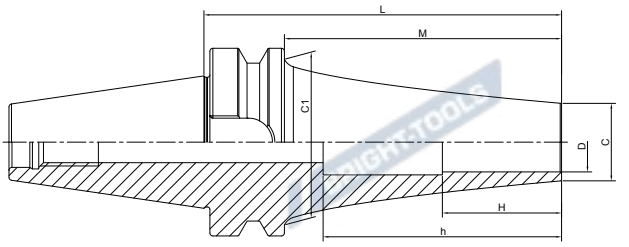



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| BT40-SFSA12-90 CV | 12 | 15 | 90 | 63 | 53 | 30 | 125 |
| BT40-SFSA12-120 CV | 12 | 15 | 120 | 93 | 53 | 30 | 155 |
| BT40-SFSA12-150 CV | 12 | 15 | 150 | 123 | 53 | 30 | 185 |
| BT40-SFSA12-180 CV | 12 | 15 | 180 | 153 | 53 | 30 | 215 |
| BT40-SFSA12-210 CV | 12 | 15 | 210 | 183 | 53 | 30 | 245 |
| BT40-SFSA12-240 CV | 12 | 15 | 240 | 213 | 53 | 30 | 275 |
| BT40-SFRA12-90 CV | 12 | 22 | 90 | 63 | 53 | 30 | 125 |
| BT40-SFRA12-120 CV | 12 | 22 | 120 | 93 | 53 | 30 | 155 |
| BT40-SFRA12-150 CV | 12 | 22 | 150 | 123 | 53 | 30 | 185 |
| BT40-SFRA12-180 CV | 12 | 22 | 180 | 153 | 53 | 30 | 215 |
| BT40-SFRA12-210 CV | 12 | 22 | 210 | 183 | 53 | 30 | 245 |
| BT40-SFFA12-90 CV | 12 | 22 | 90 | 63 | 53 | 30 | 125 |
| BT40-SFFA12-120 CV | 12 | 22 | 120 | 93 | 53 | 30 | 155 |
| BT40-SFFA12-150 CV | 12 | 22 | 150 | 123 | 53 | 30 | 185 |
| BT40-SFFA12-180 CV | 12 | 22 | 180 | 153 | 53 | 30 | 215 |
| BT40-SFFA12-210 CV | 12 | 22 | 210 | 183 | 53 | 30 | 245 |
| | | | | | | | |
| BT40-SFSB16-90 CV | 16 | 21 | 90 | 63 | 53 | 32 | 100 |
| BT40-SFSB16-120 CV | 16 | 21 | 120 | 93 | 53 | 32 | 130 |
| BT40-SFSB16-150 CV | 16 | 21 | 150 | 123 | 53 | 32 | 160 |
| BT40-SFSB16-180 CV | 16 | 21 | 180 | 153 | 53 | 32 | 190 |
| BT40-SFSB16-210 CV | 16 | 21 | 210 | 183 | 53 | 32 | 220 |
| BT40-SFSB16-240 CV | 16 | 21 | 240 | 213 | 53 | 32 | 250 |
| | | | | | | | |
| BT40-SFSB20-90 CV | 20 | 26 | 90 | 63 | 50.5 | 40 | 100 |
| BT40-SFSB20-120 CV | 20 | 26 | 120 | 93 | 53 | 40 | 130 |
| BT40-SFSB20-150 CV | 20 | 26 | 150 | 123 | 53 | 40 | 160 |
| BT40-SFSB20-180 CV | 20 | 26 | 180 | 153 | 53 | 40 | 190 |
| BT40-SFSB20-210 CV | 20 | 26 | 210 | 183 | 53 | 40 | 220 |
| BT40-SFSB20-240 CV | 20 | 26 | 240 | 213 | 53 | 40 | 250 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



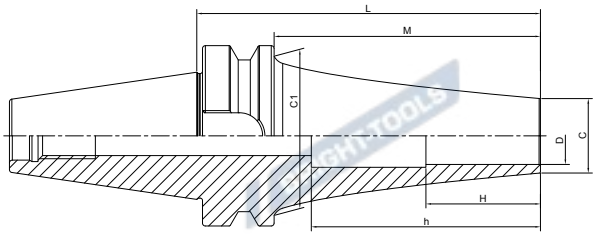



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| BT50-SFSA04-165 CV | 04 | 7 | 165 | 127 | 85 | 12 | 220 |
| BT50-SFSA04-195 CV | 04 | 7 | 195 | 157 | 85 | 12 | 250 |
| BT50-SFSA04-225 CV | 04 | 7 | 225 | 187 | 85 | 12 | 280 |
| BT50-SFSA04-255 CV | 04 | 7 | 255 | 217 | 85 | 12 | 310 |
| BT50-SFSA04-285 CV | 04 | 7 | 285 | 247 | 85 | 12 | 340 |
| BT50-SFSA04-315 CV | 04 | 7 | 315 | 277 | 85 | 12 | 370 |
| | | | | | | | |
| BT50-SFSA06-165 CV | 06 | 9 | 165 | 127 | 85 | 18 | 220 |
| BT50-SFSA06-195 CV | 06 | 9 | 195 | 157 | 85 | 18 | 250 |
| BT50-SFSA06-225 CV | 06 | 9 | 225 | 187 | 85 | 18 | 280 |
| BT50-SFSA06-255 CV | 06 | 9 | 255 | 217 | 85 | 18 | 310 |
| BT50-SFSA06-285 CV | 06 | 9 | 285 | 247 | 85 | 18 | 340 |
| BT50-SFSA06-315 CV | 06 | 9 | 315 | 277 | 85 | 18 | 370 |
| | | | | | | | |
| BT50-SFSA08-165 CV | 08 | 11 | 165 | 127 | 85 | 24 | 220 |
| BT50-SFSA08-195 CV | 08 | 11 | 195 | 157 | 85 | 24 | 250 |
| BT50-SFSA08-225 CV | 08 | 11 | 225 | 187 | 85 | 24 | 280 |
| BT50-SFSA08-255 CV | 08 | 11 | 255 | 217 | 85 | 24 | 310 |
| BT50-SFSA08-285 CV | 08 | 11 | 285 | 247 | 85 | 24 | 340 |
| BT50-SFSA08-315 CV | 08 | 11 | 315 | 277 | 85 | 24 | 370 |
| BT50-SFRA08-195 CV | 08 | 16 | 195 | 157 | 85 | 24 | 250 |
| BT50-SFRA08-225 CV | 08 | 16 | 225 | 187 | 85 | 24 | 280 |
| BT50-SFRA08-255 CV | 08 | 16 | 255 | 217 | 85 | 24 | 310 |
| BT50-SFRA08-285 CV | 08 | 16 | 285 | 247 | 85 | 24 | 340 |
| BT50-SFFA08-195 CV | 08 | 16 | 195 | 157 | 85 | 24 | 250 |
| BT50-SFFA08-225 CV | 08 | 16 | 225 | 187 | 85 | 24 | 280 |
| BT50-SFFA08-255 CV | 08 | 16 | 255 | 217 | 85 | 24 | 310 |
| BT50-SFFA08-285 CV | 08 | 16 | 285 | 247 | 85 | 24 | 340 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



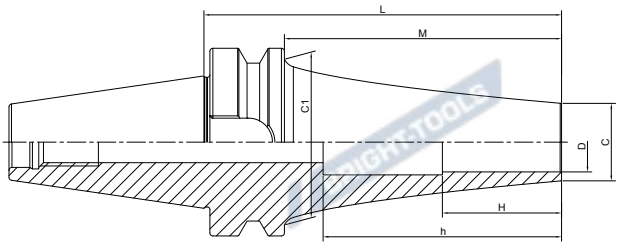



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| BT50-SFSA10-165 CV | 10 | 13 | 165 | 127 | 85 | 30 | 220 |
| BT50-SFSA10-195 CV | 10 | 13 | 195 | 157 | 85 | 30 | 250 |
| BT50-SFSA10-225 CV | 10 | 13 | 225 | 187 | 85 | 30 | 280 |
| BT50-SFSA10-255 CV | 10 | 13 | 255 | 217 | 85 | 30 | 310 |
| BT50-SFSA10-285 CV | 10 | 13 | 285 | 247 | 85 | 30 | 340 |
| BT50-SFSA10-315 CV | 10 | 13 | 315 | 277 | 85 | 30 | 370 |
| BT50-SFRA10-165 CV | 10 | 19 | 165 | 127 | 85 | 30 | 220 |
| BT50-SFRA10-195 CV | 10 | 19 | 195 | 157 | 85 | 30 | 250 |
| BT50-SFRA10-225 CV | 10 | 19 | 225 | 187 | 85 | 30 | 280 |
| BT50-SFRA10-255 CV | 10 | 19 | 255 | 217 | 85 | 30 | 310 |
| BT50-SFRA10-285 CV | 10 | 19 | 285 | 247 | 85 | 30 | 340 |
| BT50-SFFA10-165 CV | 10 | 19 | 165 | 127 | 85 | 30 | 220 |
| BT50-SFFA10-195 CV | 10 | 19 | 195 | 157 | 85 | 30 | 250 |
| BT50-SFFA10-225 CV | 10 | 19 | 225 | 187 | 85 | 30 | 280 |
| BT50-SFFA10-255 CV | 10 | 19 | 255 | 217 | 85 | 30 | 310 |
| BT50-SFFA10-285 CV | 10 | 19 | 285 | 247 | 85 | 30 | 340 |
| | | | | | | | |
| BT50-SFSA12-165 CV | 12 | 15 | 165 | 127 | 84 | 30 | 220 |
| BT50-SFSA12-195 CV | 12 | 15 | 195 | 157 | 85 | 30 | 250 |
| BT50-SFSA12-225 CV | 12 | 15 | 225 | 187 | 85 | 30 | 280 |
| BT50-SFSA12-255 CV | 12 | 15 | 255 | 217 | 85 | 30 | 310 |
| BT50-SFSA12-285 CV | 12 | 15 | 285 | 247 | 85 | 30 | 340 |
| BT50-SFSA12-315 CV | 12 | 15 | 315 | 277 | 85 | 30 | 370 |
| BT50-SFRA12-165 CV | 12 | 22 | 165 | 127 | 85 | 30 | 220 |
| BT50-SFRA12-195 CV | 12 | 22 | 195 | 157 | 85 | 30 | 250 |
| BT50-SFRA12-225 CV | 12 | 22 | 225 | 187 | 85 | 30 | 280 |
| BT50-SFRA12-255 CV | 12 | 22 | 255 | 217 | 85 | 30 | 310 |
| BT50-SFRA12-285 CV | 12 | 22 | 285 | 247 | 85 | 30 | 340 |
| BT50-SFFA12-165 CV | 12 | 22 | 165 | 127 | 85 | 30 | 220 |
| BT50-SFFA12-195 CV | 12 | 22 | 195 | 157 | 85 | 30 | 250 |
| BT50-SFFA12-225 CV | 12 | 22 | 225 | 187 | 85 | 30 | 280 |
| BT50-SFFA12-255 CV | 12 | 22 | 255 | 217 | 85 | 30 | 310 |
| BT50-SFFA12-285 CV | 12 | 22 | 285 | 247 | 85 | 30 | 340 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



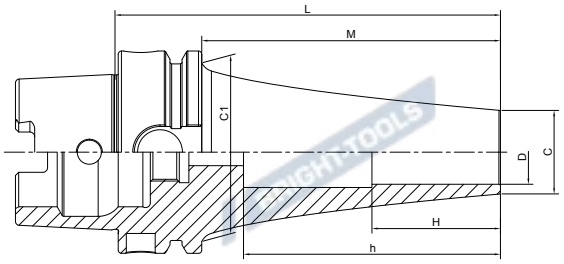



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| BT50-SFSB16-165 CV | 16 | 21 | 165 | 127 | 85 | 32 | 220 |
| BT50-SFSB16-195 CV | 16 | 21 | 195 | 157 | 85 | 32 | 250 |
| BT50-SFSB16-225 CV | 16 | 21 | 225 | 187 | 85 | 32 | 280 |
| BT50-SFSB16-255 CV | 16 | 21 | 255 | 217 | 85 | 32 | 310 |
| BT50-SFSB16-285 CV | 16 | 21 | 285 | 247 | 85 | 32 | 340 |
| BT50-SFSB16-315 CV | 16 | 21 | 315 | 277 | 85 | 32 | 370 |
| | | | | | | | |
| BT50-SFSB20-165 CV | 20 | 26 | 165 | 127 | 85 | 40 | 220 |
| BT50-SFSB20-195 CV | 20 | 26 | 195 | 157 | 85 | 40 | 250 |
| BT50-SFSB20-225 CV | 20 | 26 | 225 | 187 | 85 | 40 | 280 |
| BT50-SFSB20-255 CV | 20 | 26 | 255 | 217 | 85 | 40 | 310 |
| BT50-SFSB20-285 CV | 20 | 26 | 285 | 247 | 85 | 40 | 340 |
| BT50-SFSB20-315 CV | 20 | 26 | 315 | 277 | 85 | 40 | 370 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



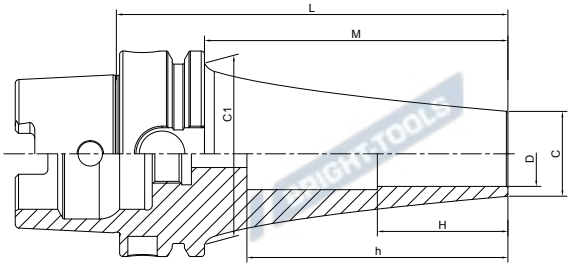



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK63A-SFSA04-90 CV | 04 | 7 | 90 | 64 | 53 | 12 | 65 |
| HSK63A-SFSA04-120 CV | 04 | 7 | 120 | 94 | 53 | 12 | 95 |
| HSK63A-SFSA04-150 CV | 04 | 7 | 150 | 124 | 53 | 12 | 125 |
| HSK63A-SFSA04-180 CV | 04 | 7 | 180 | 154 | 53 | 12 | 154 |
| HSK63A-SFSA04-210 CV | 04 | 7 | 210 | 184 | 53 | 12 | 185 |
| HSK63A-SFSA04-240 CV | 04 | 7 | 240 | 214 | 53 | 12 | 214 |
| HSK63A-SFSA04-270 CV | 04 | 7 | 270 | 244 | 53 | 12 | 245 |
| HSK63A-SFSA04-300 CV | 04 | 7 | 300 | 274 | 53 | 12 | 275 |
| HSK63A-SFRA04-120 CV | 04 | 10 | 120 | 94 | 53 | 12 | 95 |
| HSK63A-SFRA04-150 CV | 04 | 10 | 150 | 124 | 53 | 12 | 125 |
| HSK63A-SFRA04-180 CV | 04 | 10 | 180 | 154 | 53 | 12 | 155 |
| HSK63A-SFRA04-210 CV | 04 | 10 | 210 | 184 | 53 | 12 | 185 |
| | | | | | | | |
| HSK63A-SFSA6-90 CV | 06 | 9 | 90 | 64 | 53 | 18 | 65 |
| HSK63A-SFSA6-120 CV | 06 | 9 | 120 | 94 | 53 | 18 | 95 |
| HSK63A-SFSA6-150 CV | 06 | 9 | 150 | 124 | 53 | 18 | 125 |
| HSK63A-SFSA6-180 CV | 06 | 9 | 180 | 154 | 53 | 18 | 154 |
| HSK63A-SFSA6-210 CV | 06 | 9 | 210 | 184 | 53 | 18 | 184 |
| HSK63A-SFSA6-240 CV | 06 | 9 | 240 | 214 | 53 | 18 | 214 |
| HSK63A-SFSA6-270 CV | 06 | 9 | 270 | 244 | 53 | 18 | 245 |
| HSK63A-SFSA6-300 CV | 06 | 9 | 300 | 274 | 53 | 18 | 275 |
| HSK63A-SFRA06-90 CV | 06 | 13 | 90 | 64 | 53 | 18 | 65 |
| HSK63A-SFRA06-120 CV | 06 | 13 | 120 | 94 | 53 | 18 | 95 |
| HSK63A-SFRA06-150 CV | 06 | 13 | 150 | 124 | 53 | 18 | 125 |
| HSK63A-SFRA06-180 CV | 06 | 13 | 180 | 154 | 53 | 18 | 155 |
| HSK63A-SFRA06-210 CV | 06 | 13 | 210 | 184 | 53 | 18 | 185 |
| HSK63A-SFFA06-90 CV | 06 | 13 | 90 | 64 | 53 | 18 | 65 |
| HSK63A-SFFA06-120 CV | 06 | 13 | 120 | 94 | 53 | 18 | 95 |
| HSK63A-SFFA06-150 CV | 06 | 13 | 150 | 124 | 53 | 18 | 125 |
| HSK63A-SFFA06-180 CV | 06 | 13 | 180 | 154 | 53 | 18 | 155 |
| HSK63A-SFFA06-210 CV | 06 | 13 | 210 | 184 | 53 | 18 | 185 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



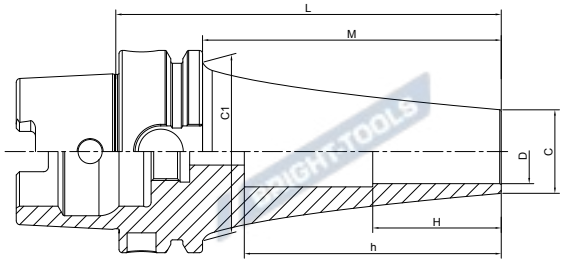



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK63A-SFSA08-90 CV | 08 | 11 | 90 | 64 | 53 | 24 | 65 |
| HSK63A-SFSA08-120 CV | 08 | 11 | 120 | 94 | 53 | 24 | 94 |
| HSK63A-SFSA08-150 CV | 08 | 11 | 150 | 124 | 53 | 24 | 124 |
| HSK63A-SFSA08-180 CV | 08 | 11 | 180 | 154 | 53 | 24 | 155 |
| HSK63A-SFSA08-210 CV | 08 | 11 | 210 | 184 | 53 | 24 | 184 |
| HSK63A-SFSA08-240 CV | 08 | 11 | 240 | 214 | 53 | 24 | 214 |
| HSK63A-SFSA08-270 CV | 08 | 11 | 270 | 244 | 53 | 24 | 244 |
| HSK63A-SFSA08-300 CV | 08 | 11 | 300 | 274 | 53 | 24 | 274 |
| HSK63A-SFRA08-90 CV | 08 | 16 | 90 | 64 | 53 | 24 | 65 |
| HSK63A-SFRA08-120 CV | 08 | 16 | 120 | 94 | 53 | 24 | 95 |
| HSK63A-SFRA08-150 CV | 08 | 16 | 150 | 124 | 53 | 24 | 125 |
| HSK63A-SFRA08-180 CV | 08 | 16 | 180 | 154 | 53 | 24 | 155 |
| HSK63A-SFRA08-210 CV | 08 | 16 | 210 | 184 | 53 | 24 | 185 |
| HSK63A-SFFA08-90 CV | 08 | 16 | 90 | 64 | 53 | 24 | 65 |
| HSK63A-SFFA08-120 CV | 08 | 16 | 120 | 94 | 53 | 24 | 95 |
| HSK63A-SFFA08-150 CV | 08 | 16 | 150 | 124 | 53 | 24 | 125 |
| HSK63A-SFFA08-180 CV | 08 | 16 | 180 | 154 | 53 | 24 | 155 |
| HSK63A-SFFA08-210 CV | 08 | 16 | 210 | 184 | 53 | 24 | 185 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



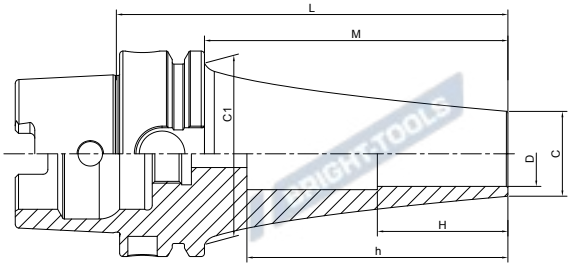



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK63A-SFSA10-90 CV | 10 | 13 | 90 | 64 | 53 | 30 | 65 |
| HSK63A-SFSA10-120 CV | 10 | 13 | 120 | 94 | 53 | 30 | 95 |
| HSK63A-SFSA10-150 CV | 10 | 13 | 150 | 124 | 53 | 30 | 125 |
| HSK63A-SFSA10-180 CV | 10 | 13 | 180 | 154 | 53 | 30 | 154 |
| HSK63A-SFSA10-210 CV | 10 | 13 | 210 | 184 | 53 | 30 | 184 |
| HSK63A-SFSA10-240 CV | 10 | 13 | 240 | 214 | 53 | 30 | 212 |
| HSK63A-SFSA10-270 CV | 10 | 13 | 270 | 244 | 53 | 30 | 244 |
| HSK63A-SFSA10-300 CV | 10 | 13 | 300 | 274 | 53 | 30 | 274 |
| HSK63A-SFRA10-90 CV | 10 | 19 | 90 | 64 | 53 | 30 | 65 |
| HSK63A-SFRA10-120 CV | 10 | 19 | 120 | 94 | 53 | 30 | 95 |
| HSK63A-SFRA10-150 CV | 10 | 19 | 150 | 124 | 53 | 30 | 125 |
| HSK63A-SFRA10-180 CV | 10 | 19 | 180 | 154 | 53 | 30 | 155 |
| HSK63A-SFRA10-210 CV | 10 | 19 | 210 | 184 | 53 | 30 | 185 |
| HSK63A-SFFA10-90 CV | 10 | 19 | 90 | 64 | 53 | 30 | 65 |
| HSK63A-SFFA10-120 CV | 10 | 19 | 120 | 94 | 53 | 30 | 95 |
| HSK63A-SFFA10-150 CV | 10 | 19 | 150 | 124 | 53 | 30 | 125 |
| HSK63A-SFFA10-180 CV | 10 | 19 | 180 | 154 | 53 | 30 | 155 |
| HSK63A-SFFA10-210 CV | 10 | 19 | 210 | 184 | 53 | 30 | 185 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



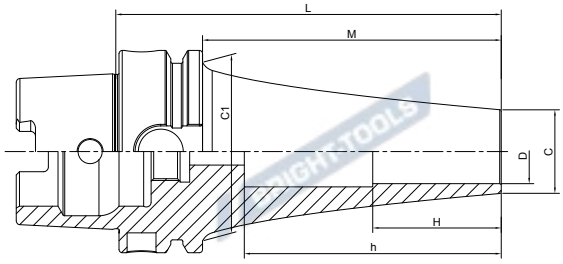



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK63A-SFSA12-90 CV | 12 | 15 | 90 | 64 | 53 | 30 | 64 |
| HSK63A-SFSA12-120 CV | 12 | 15 | 120 | 94 | 53 | 30 | 94 |
| HSK63A-SFSA12-150 CV | 12 | 15 | 150 | 124 | 53 | 30 | 124 |
| HSK63A-SFSA12-180 CV | 12 | 15 | 180 | 154 | 53 | 30 | 154 |
| HSK63A-SFSA12-210 CV | 12 | 15 | 210 | 184 | 53 | 30 | 184 |
| HSK63A-SFSA12-240 CV | 12 | 15 | 240 | 214 | 53 | 30 | 212 |
| HSK63A-SFSA12-270 CV | 12 | 15 | 270 | 244 | 53 | 30 | 244 |
| HSK63A-SFRA12-90 CV | 12 | 22 | 90 | 64 | 53 | 30 | 64 |
| HSK63A-SFRA12-120 CV | 12 | 22 | 120 | 94 | 53 | 30 | 94 |
| HSK63A-SFRA12-150 CV | 12 | 22 | 150 | 124 | 53 | 30 | 124 |
| HSK63A-SFRA12-180 CV | 12 | 22 | 180 | 154 | 53 | 30 | 154 |
| HSK63A-SFRA12-210 CV | 12 | 22 | 210 | 184 | 53 | 30 | 184 |
| HSK63A-SFFA12-90 CV | 12 | 22 | 90 | 64 | 53 | 30 | 64 |
| HSK63A-SFFA12-120 CV | 12 | 22 | 120 | 94 | 53 | 30 | 94 |
| HSK63A-SFFA12-150 CV | 12 | 22 | 150 | 124 | 53 | 30 | 124 |
| HSK63A-SFFA12-180 CV | 12 | 22 | 180 | 154 | 53 | 30 | 154 |
| HSK63A-SFFA12-210 CV | 12 | 22 | 210 | 184 | 53 | 30 | 184 |
| HSK63A-SFSB16-90 CV | 16 | 21 | 90 | 64 | 53 | 32 | 62 |
| HSK63A-SFSB16-120 CV | 16 | 21 | 120 | 94 | 53 | 32 | 92 |
| HSK63A-SFSB16-150 CV | 16 | 21 | 150 | 124 | 53 | 32 | 122 |
| HSK63A-SFSB16-180 CV | 16 | 21 | 180 | 154 | 53 | 32 | 152 |
| HSK63A-SFSB16-210 CV | 16 | 21 | 210 | 184 | 53 | 32 | 182 |
| HSK63A-SFSB16-240 CV | 16 | 21 | 240 | 214 | 53 | 32 | 212 |
| HSK63A-SFSB16-270 CV | 16 | 21 | 270 | 244 | 53 | 32 | 242 |
| HSK63A-SFSB20-90 CV | 20 | 26 | 90 | 64 | 51 | 40 | 62 |
| HSK63A-SFSB20-120 CV | 20 | 26 | 120 | 94 | 53 | 40 | 92 |
| HSK63A-SFSB20-150 CV | 20 | 26 | 150 | 124 | 53 | 40 | 122 |
| HSK63A-SFSB20-180 CV | 20 | 26 | 180 | 154 | 53 | 40 | 152 |
| HSK63A-SFSB20-210 CV | 20 | 26 | 210 | 184 | 53 | 40 | 182 |
| HSK63A-SFSB20-240 CV | 20 | 26 | 240 | 214 | 53 | 40 | 212 |
| HSK63A-SFSB20-270 CV | 20 | 26 | 270 | 244 | 53 | 40 | 242 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



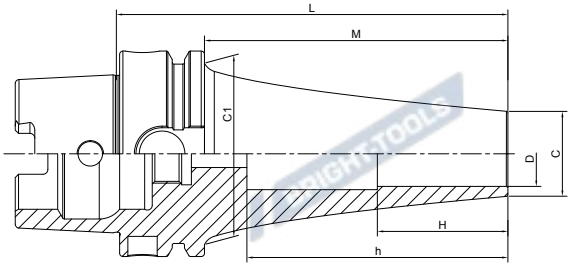



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK100A-SFSA04-165 CV | 04 | 7 | 165 | 136 | 85 | 12 | 133 |
| HSK100A-SFSA04-195 CV | 04 | 7 | 195 | 166 | 85 | 12 | 163 |
| HSK100A-SFSA04-225 CV | 04 | 7 | 225 | 196 | 85 | 12 | 196 |
| HSK100A-SFSA04-255 CV | 04 | 7 | 255 | 226 | 85 | 12 | 226 |
| HSK100A-SFSA04-285 CV | 04 | 7 | 285 | 256 | 85 | 12 | 256 |
| HSK100A-SFSA04-315 CV | 04 | 7 | 315 | 286 | 85 | 12 | 286 |
| HSK100A-SFSA04-345 CV | 04 | 7 | 345 | 316 | 85 | 12 | 316 |
| HSK100A-SFSA06-165 CV | 06 | 9 | 165 | 136 | 85 | 18 | 136 |
| HSK100A-SFSA06-195 CV | 06 | 9 | 195 | 166 | 85 | 18 | 166 |
| HSK100A-SFSA06-225 CV | 06 | 9 | 225 | 196 | 85 | 18 | 196 |
| HSK100A-SFSA06-255 CV | 06 | 9 | 255 | 226 | 85 | 18 | 226 |
| HSK100A-SFSA06-285 CV | 06 | 9 | 285 | 256 | 85 | 18 | 256 |
| HSK100A-SFSA06-315 CV | 06 | 9 | 315 | 286 | 85 | 18 | 286 |
| HSK100A-SFSA06-345 CV | 06 | 9 | 345 | 316 | 85 | 18 | 316 |
| HSK100A-SFSA08-165 CV | 08 | 11 | 165 | 136 | 85 | 24 | 136 |
| HSK100A-SFSA08-195 CV | 08 | 11 | 195 | 166 | 85 | 24 | 166 |
| HSK100A-SFSA08-225 CV | 08 | 11 | 225 | 196 | 85 | 24 | 196 |
| HSK100A-SFSA08-255 CV | 08 | 11 | 255 | 226 | 85 | 24 | 226 |
| HSK100A-SFSA08-285 CV | 08 | 11 | 285 | 256 | 85 | 24 | 256 |
| HSK100A-SFSA08-315 CV | 08 | 11 | 315 | 286 | 85 | 24 | 286 |
| HSK100A-SFSA08-345 CV | 08 | 11 | 345 | 316 | 85 | 24 | 311 |
| HSK100A-SFRA08-195 CV | 08 | 16 | 195 | 166 | 85 | 24 | 166 |
| HSK100A-SFRA08-225 CV | 08 | 16 | 225 | 196 | 85 | 24 | 196 |
| HSK100A-SFRA08-255 CV | 08 | 16 | 255 | 226 | 85 | 24 | 226 |
| HSK100A-SFRA08-285 CV | 08 | 16 | 285 | 256 | 85 | 24 | 256 |
| HSK100A-SFFA08-195 CV | 08 | 16 | 195 | 166 | 85 | 24 | 166 |
| HSK100A-SFFA08-225 CV | 08 | 16 | 225 | 196 | 85 | 24 | 196 |
| HSK100A-SFFA08-255 CV | 08 | 16 | 255 | 226 | 85 | 24 | 226 |
| HSK100A-SFFA08-285 CV | 08 | 16 | 285 | 256 | 85 | 24 | 256 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



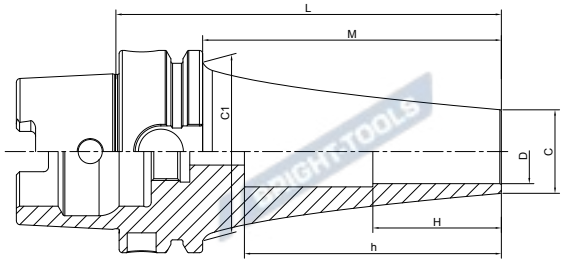



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK100A-SFSA10-165 CV | 10 | 13 | 165 | 136 | 85 | 30 | 136 |
| HSK100A-SFSA10-195 CV | 10 | 13 | 195 | 166 | 85 | 30 | 166 |
| HSK100A-SFSA10-225 CV | 10 | 13 | 225 | 196 | 85 | 30 | 196 |
| HSK100A-SFSA10-255 CV | 10 | 13 | 255 | 226 | 85 | 30 | 226 |
| HSK100A-SFSA10-285 CV | 10 | 13 | 285 | 256 | 85 | 30 | 251 |
| HSK100A-SFSA10-315 CV | 10 | 13 | 315 | 286 | 85 | 30 | 286 |
| HSK100A-SFSA10-345 CV | 10 | 13 | 345 | 316 | 85 | 30 | 311 |
| HSK100A-SFRA10-165 CV | 10 | 19 | 165 | 136 | 85 | 30 | 136 |
| HSK100A-SFRA10-195 CV | 10 | 19 | 195 | 166 | 85 | 30 | 166 |
| HSK100A-SFRA10-225 CV | 10 | 19 | 225 | 196 | 85 | 30 | 196 |
| HSK100A-SFRA10-255 CV | 10 | 19 | 255 | 226 | 85 | 30 | 226 |
| HSK100A-SFRA10-285 CV | 10 | 19 | 285 | 256 | 85 | 30 | 256 |
| HSK100A-SFFA10-165 CV | 10 | 19 | 165 | 136 | 85 | 30 | 136 |
| HSK100A-SFFA10-195 CV | 10 | 19 | 195 | 166 | 85 | 30 | 166 |
| HSK100A-SFFA10-225 CV | 10 | 19 | 225 | 196 | 85 | 30 | 196 |
| HSK100A-SFFA10-255 CV | 10 | 19 | 255 | 226 | 85 | 30 | 226 |
| HSK100A-SFFA10-285 CV | 10 | 19 | 285 | 256 | 85 | 30 | 256 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



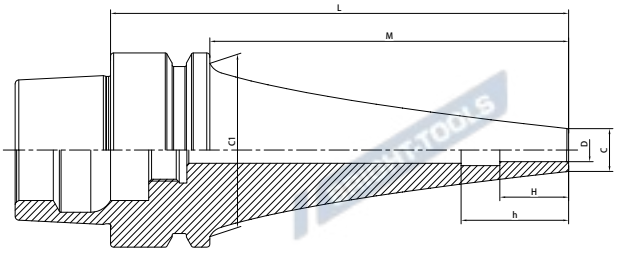



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK100A-SFSA12-165 CV | 12 | 15 | 165 | 136 | 85 | 30 | 133 |
| HSK100A-SFSA12-195 CV | 12 | 15 | 195 | 166 | 85 | 30 | 163 |
| HSK100A-SFSA12-225 CV | 12 | 15 | 225 | 196 | 85 | 30 | 175 |
| HSK100A-SFSA12-255 CV | 12 | 15 | 255 | 226 | 85 | 30 | 190 |
| HSK100A-SFSA12-285 CV | 12 | 15 | 285 | 256 | 85 | 30 | 251 |
| HSK100A-SFSA12-315 CV | 12 | 15 | 315 | 286 | 85 | 30 | 281 |
| HSK100A-SFSA12-345 CV | 12 | 15 | 345 | 316 | 85 | 30 | 311 |
| HSK100A-SFRA12-165 CV | 12 | 22 | 165 | 136 | 85 | 30 | 133 |
| HSK100A-SFRA12-195 CV | 12 | 22 | 195 | 166 | 85 | 30 | 163 |
| HSK100A-SFRA12-225 CV | 12 | 22 | 225 | 196 | 85 | 30 | 159 |
| HSK100A-SFRA12-255 CV | 12 | 22 | 255 | 226 | 85 | 30 | 221 |
| HSK100A-SFRA12-285 CV | 12 | 22 | 285 | 256 | 85 | 30 | 251 |
| HSK100A-SFFA12-165 CV | 12 | 22 | 165 | 136 | 85 | 30 | 133 |
| HSK100A-SFFA12-195 CV | 12 | 22 | 195 | 166 | 85 | 30 | 163 |
| HSK100A-SFFA12-225 CV | 12 | 22 | 225 | 196 | 85 | 30 | 159 |
| HSK100A-SFFA12-255 CV | 12 | 22 | 255 | 226 | 85 | 30 | 221 |
| HSK100A-SFFA12-285 CV | 12 | 22 | 285 | 256 | 85 | 30 | 251 |
| | | | | | | | |
| HSK100A-SFSB16-165 CV | 16 | 21 | 165 | 136 | 85 | 32 | 131 |
| HSK100A-SFSB16-195 CV | 16 | 21 | 195 | 166 | 85 | 32 | 161 |
| HSK100A-SFSB16-225 CV | 16 | 21 | 225 | 196 | 85 | 32 | 191 |
| HSK100A-SFSB16-255 CV | 16 | 21 | 255 | 226 | 85 | 32 | 221 |
| HSK100A-SFSB16-285 CV | 16 | 21 | 285 | 256 | 85 | 32 | 251 |
| HSK100A-SFSB16-315 CV | 16 | 21 | 315 | 286 | 85 | 32 | 281 |
| HSK100A-SFSB16-345 CV | 16 | 21 | 345 | 316 | 85 | 32 | 311 |
| | | | | | | | |
| HSK100A-SFSB20-165 CV | 20 | 26 | 165 | 136 | 85 | 40 | 132 |
| HSK100A-SFSB20-195 CV | 20 | 26 | 195 | 166 | 85 | 40 | 161 |
| HSK100A-SFSB20-225 CV | 20 | 26 | 225 | 196 | 85 | 40 | 191 |
| HSK100A-SFSB20-255 CV | 20 | 26 | 255 | 226 | 85 | 40 | 221 |
| HSK100A-SFSB20-285 CV | 20 | 26 | 285 | 256 | 85 | 40 | 251 |
| HSK100A-SFSB20-315 CV | 20 | 26 | 315 | 286 | 85 | 40 | 281 |
| HSK100A-SFSB20-345 CV | 20 | 26 | 345 | 316 | 85 | 40 | 311 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



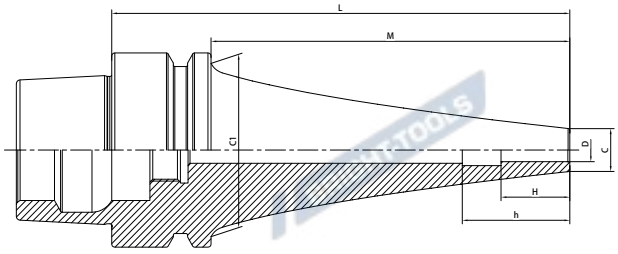



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK32E-SFSA04-60 CV | 04 | 7 | 60 | 40 | 12 | 12 | 43 |
| HSK32E-SFSA04-90 CV | 04 | 7 | 90 | 70 | 12 | 12 | 73 |
| | | | | | | | |
| HSK32E-SFSA06-60 CV | 06 | 9 | 60 | 40 | 18 | 18 | 43 |
| HSK32E-SFSA06-90 CV | 06 | 9 | 90 | 70 | 18 | 18 | 73 |
| | | | | | | | |
| HSK32E-SFSA08-60 CV | 08 | 11 | 60 | 40 | 24 | 24 | 38 |
| HSK32E-SFSA08-90 CV | 08 | 11 | 90 | 70 | 24 | 24 | 38 |
| | | | | | | | |
| HSK32E-SFSA10-60 CV | 10 | 13 | 60 | 40 | 30 | 30 | 48 |
| HSK32E-SFSA10-90 CV | 10 | 13 | 90 | 70 | 30 | 30 | 60 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



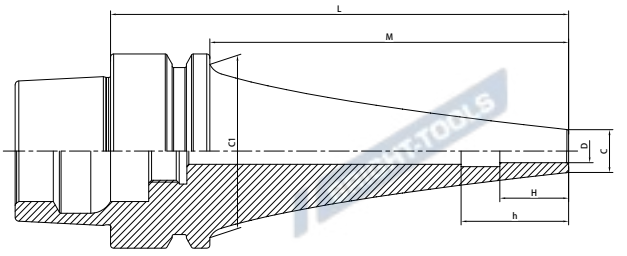



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK40E-SFSA04-90 CV | 04 | 7 | 90 | 70 | 34 | 12 | 74 |
| HSK40E-SFSA04-120 CV | 04 | 7 | 120 | 100 | 34 | 12 | 104 |
| HSK40E-SFSA04-150 CV | 04 | 7 | 150 | 130 | 34 | 12 | 134 |
| HSK40E-SFRA04-90 CV | 04 | 10 | 90 | 70 | 34 | 12 | 74 |
| HSK40E-SFRA04-120 CV | 04 | 10 | 120 | 100 | 34 | 12 | 104 |
| | | | | | | | |
| HSK40E-SFSA06-90 CV | 06 | 9 | 90 | 70 | 34 | 18 | 74 |
| HSK40E-SFSA06-120 CV | 06 | 9 | 120 | 100 | 34 | 18 | 104 |
| HSK40E-SFSA06-150 CV | 06 | 9 | 150 | 130 | 34 | 18 | 134 |
| HSK40E-SFRA06-90 CV | 06 | 13 | 90 | 70 | 34 | 18 | 74 |
| HSK40E-SFRA06-120 CV | 06 | 13 | 120 | 100 | 34 | 18 | 104 |
| HSK40E-SFSA08-90 CV | 08 | 11 | 90 | 70 | 34 | 24 | 74 |
| | | | | | | | |
| HSK40E-SFSA08-120 CV | 08 | 11 | 120 | 100 | 34 | 24 | 104 |
| HSK40E-SFSA08-150 CV | 08 | 11 | 150 | 130 | 34 | 24 | 134 |
| HSK40E-SFRA08-90 CV | 08 | 16 | 90 | 70 | 34 | 24 | 74 |
| HSK40E-SFRA08-120 CV | 08 | 16 | 120 | 100 | 34 | 24 | 104 |
| | | | | | | | |
| HSK40E-SFSA10-90 CV | 10 | 13 | 90 | 70 | 34 | 30 | 74 |
| HSK40E-SFSA10-120 CV | 10 | 13 | 120 | 100 | 34 | 30 | 104 |
| HSK40E-SFSA10-150 CV | 10 | 13 | 150 | 130 | 34 | 30 | 134 |
| HSK40E-SFRA10-90 CV | 10 | 19 | 90 | 70 | 34 | 30 | 74 |
| HSK40E-SFRA10-120 CV | 10 | 19 | 120 | 100 | 34 | 30 | 104 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



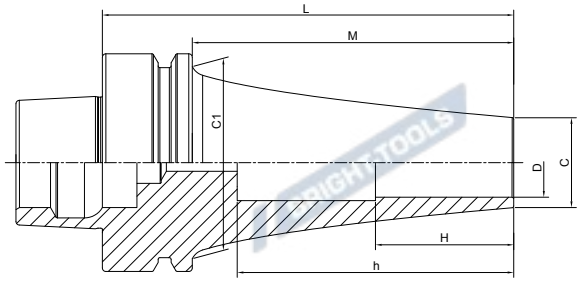



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK50E-SFSA04-90 CV | 04 | 7 | 90 | 64 | 42 | 12 | 74 |
| HSK50E-SFSA04-120 CV | 04 | 7 | 120 | 94 | 42 | 12 | 104 |
| HSK50E-SFSA04-150 CV | 04 | 7 | 150 | 124 | 42 | 12 | 134 |
| HSK50E-SFSA04-180 CV | 04 | 7 | 180 | 154 | 42 | 12 | 164 |
| HSK50E-SFRA04-120 CV | 04 | 10 | 120 | 94 | 42 | 12 | 104 |
| HSK50E-SFRA04-150 CV | 04 | 10 | 150 | 124 | 42 | 12 | 134 |
| | | | | | | | |
| HSK50E-SFSA06-90 CV | 06 | 9 | 90 | 64 | 42 | 18 | 74 |
| HSK50E-SFSA06-120 CV | 06 | 9 | 120 | 94 | 42 | 18 | 104 |
| HSK50E-SFSA06-150 CV | 06 | 9 | 150 | 124 | 42 | 18 | 134 |
| HSK50E-SFSA06-180 CV | 06 | 9 | 180 | 154 | 42 | 18 | 164 |
| HSK50E-SFRA06-120 CV | 06 | 13 | 120 | 94 | 42 | 18 | 104 |
| HSK50E-SFRA06-150 CV | 06 | 13 | 150 | 124 | 42 | 18 | 132 |
| | | | | | | | |
| HSK50E-SFSA08-90 CV | 08 | 11 | 90 | 64 | 42 | 24 | 74 |
| HSK50E-SFSA08-120 CV | 08 | 11 | 120 | 94 | 42 | 24 | 104 |
| HSK50E-SFSA08-150 CV | 08 | 11 | 150 | 124 | 42 | 24 | 134 |
| HSK50E-SFSA08-180 CV | 08 | 11 | 180 | 154 | 42 | 24 | 164 |
| HSK50E-SFRA08-120 CV | 08 | 16 | 120 | 94 | 42 | 24 | 102 |
| HSK50E-SFRA08-150 CV | 08 | 16 | 150 | 124 | 42 | 24 | 132 |
| | | | | | | | |
| HSK50E-SFSA10-90 CV | 10 | 13 | 90 | 64 | 42 | 30 | 74 |
| HSK50E-SFSA10-120 CV | 10 | 13 | 120 | 94 | 42 | 30 | 104 |
| HSK50E-SFSA10-150 CV | 10 | 13 | 150 | 124 | 42 | 30 | 134 |
| HSK50E-SFSA10-180 CV | 10 | 13 | 180 | 154 | 42 | 30 | 162 |
| HSK50E-SFRA10-150 CV | 10 | 19 | 150 | 124 | 42 | 30 | 132 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



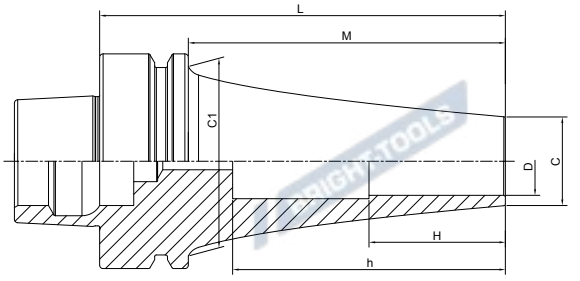



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK63F-SFSA04-90 CV | 04 | 7 | 90 | 64 | 53 | 12 | 65 |
| HSK63F-SFSA04-120 CV | 04 | 7 | 120 | 94 | 53 | 12 | 95 |
| HSK63F-SFSA04-150 CV | 04 | 7 | 150 | 124 | 53 | 12 | 125 |
| HSK63F-SFSA04-180 CV | 04 | 7 | 180 | 154 | 53 | 12 | 154 |
| HSK63F-SFSA04-210 CV | 04 | 7 | 210 | 184 | 53 | 12 | 185 |
| HSK63F-SFSA04-240 CV | 04 | 7 | 240 | 214 | 53 | 12 | 214 |
| HSK63F-SFSA04-270 CV | 04 | 7 | 270 | 244 | 53 | 12 | 245 |
| HSK63F-SFSA04-300 CV | 04 | 7 | 300 | 274 | 53 | 12 | 275 |
| HSK63F-SFRA04-120 CV | 04 | 10 | 120 | 94 | 53 | 12 | 95 |
| HSK63F-SFRA04-150 CV | 04 | 10 | 150 | 124 | 53 | 12 | 125 |
| HSK63F-SFRA04-180 CV | 04 | 10 | 180 | 154 | 53 | 12 | 155 |
| HSK63F-SFRA04-210 CV | 04 | 10 | 210 | 184 | 53 | 12 | 185 |
| | | | | | | | |
| HSK63F-SFSA06-90 CV | 06 | 9 | 90 | 64 | 53 | 18 | 65 |
| HSK63F-SFSA06-120 CV | 06 | 9 | 120 | 94 | 53 | 18 | 95 |
| HSK63F-SFSA06-150 CV | 06 | 9 | 150 | 124 | 53 | 18 | 125 |
| HSK63F-SFSA06-180 CV | 06 | 9 | 180 | 154 | 53 | 18 | 154 |
| HSK63F-SFSA06-210 CV | 06 | 9 | 210 | 184 | 53 | 18 | 184 |
| HSK63F-SFSA06-240 CV | 06 | 9 | 240 | 214 | 53 | 18 | 214 |
| HSK63F-SFSA06-270 CV | 06 | 9 | 270 | 244 | 53 | 18 | 245 |
| HSK63F-SFSA06-300 CV | 06 | 9 | 300 | 274 | 53 | 18 | 275 |
| HSK63F-SFRA06-90 CV | 06 | 13 | 90 | 64 | 53 | 18 | 65 |
| HSK63F-SFRA06-120 CV | 06 | 13 | 120 | 94 | 53 | 18 | 95 |
| HSK63F-SFRA06-150 CV | 06 | 13 | 150 | 124 | 53 | 18 | 125 |
| HSK63F-SFRA06-180 CV | 06 | 13 | 180 | 154 | 53 | 18 | 155 |
| HSK63F-SFRA06-210 CV | 06 | 13 | 210 | 184 | 53 | 18 | 185 |
| HSK63F-SFFA06-90 CV | 06 | 13 | 90 | 64 | 53 | 18 | 65 |
| HSK63F-SFFA06-120 CV | 06 | 13 | 120 | 94 | 53 | 18 | 95 |
| HSK63F-SFFA06-150 CV | 06 | 13 | 150 | 124 | 53 | 18 | 125 |
| HSK63F-SFFA06-180 CV | 06 | 13 | 180 | 154 | 53 | 18 | 155 |
| HSK63F-SFFA06-210 CV | 06 | 13 | 210 | 184 | 53 | 18 | 185 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



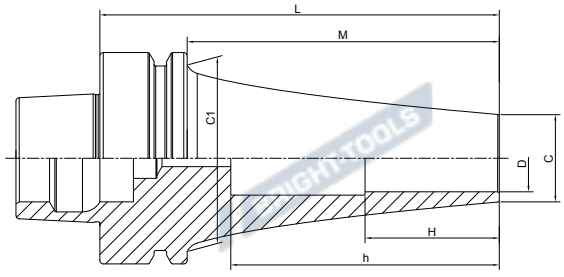



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK63F-SFSA08-90 CV | 08 | 11 | 90 | 64 | 53 | 24 | 65 |
| HSK63F-SFSA08-120 CV | 08 | 11 | 120 | 94 | 53 | 24 | 94 |
| HSK63F-SFSA08-150 CV | 08 | 11 | 150 | 124 | 53 | 24 | 124 |
| HSK63F-SFSA08-180 CV | 08 | 11 | 180 | 154 | 53 | 24 | 155 |
| HSK63F-SFSA08-210 CV | 08 | 11 | 210 | 184 | 53 | 24 | 184 |
| HSK63F-SFSA08-240 CV | 08 | 11 | 240 | 214 | 53 | 24 | 214 |
| HSK63F-SFSA08-270 CV | 08 | 11 | 270 | 244 | 53 | 24 | 244 |
| HSK63F-SFSA08-300 CV | 08 | 11 | 300 | 274 | 53 | 24 | 274 |
| HSK63F-SFRA08-90 CV | 08 | 16 | 90 | 64 | 53 | 24 | 65 |
| HSK63F-SFRA08-120 CV | 08 | 16 | 120 | 94 | 53 | 24 | 95 |
| HSK63F-SFRA08-150 CV | 08 | 16 | 150 | 124 | 53 | 24 | 125 |
| HSK63F-SFRA08-180 CV | 08 | 16 | 180 | 154 | 53 | 24 | 155 |
| HSK63F-SFRA08-210 CV | 08 | 16 | 210 | 184 | 53 | 24 | 185 |
| HSK63F-SFFA08-90 CV | 08 | 16 | 90 | 64 | 53 | 24 | 65 |
| HSK63F-SFFA08-120 CV | 08 | 16 | 120 | 94 | 53 | 24 | 95 |
| HSK63F-SFFA08-150 CV | 08 | 16 | 150 | 124 | 53 | 24 | 125 |
| HSK63F-SFFA08-180 CV | 08 | 16 | 180 | 154 | 53 | 24 | 155 |
| HSK63F-SFFA08-210 CV | 08 | 16 | 210 | 184 | 53 | 24 | 185 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



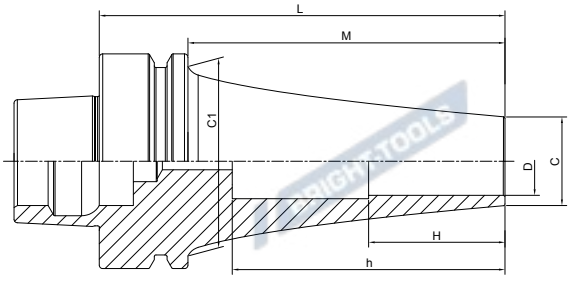



| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK63F-SFSA10-90 CV | 10 | 13 | 90 | 64 | 53 | 30 | 65 |
| HSK63F-SFSA10-120 CV | 10 | 13 | 120 | 94 | 53 | 30 | 95 |
| HSK63F-SFSA10-150 CV | 10 | 13 | 150 | 124 | 53 | 30 | 125 |
| HSK63F-SFSA10-180 CV | 10 | 13 | 180 | 154 | 53 | 30 | 154 |
| HSK63F-SFSA10-210 CV | 10 | 13 | 210 | 184 | 53 | 30 | 184 |
| HSK63F-SFSA10-240 CV | 10 | 13 | 240 | 214 | 53 | 30 | 212 |
| HSK63F-SFSA10-270 CV | 10 | 13 | 270 | 244 | 53 | 30 | 244 |
| HSK63F-SFSA10-300 CV | 10 | 13 | 300 | 274 | 53 | 30 | 274 |
| HSK63F-SFRA10-90 CV | 10 | 19 | 90 | 64 | 53 | 30 | 65 |
| HSK63F-SFRA10-120 CV | 10 | 19 | 120 | 94 | 53 | 30 | 95 |
| HSK63F-SFRA10-150 CV | 10 | 19 | 150 | 124 | 53 | 30 | 125 |
| HSK63F-SFRA10-180 CV | 10 | 19 | 180 | 154 | 53 | 30 | 155 |
| HSK63F-SFRA10-210 CV | 10 | 19 | 210 | 184 | 53 | 30 | 185 |
| HSK63F-SFFA10-90 CV | 10 | 19 | 90 | 64 | 53 | 30 | 65 |
| HSK63F-SFFA10-120 CV | 10 | 19 | 120 | 94 | 53 | 30 | 95 |
| HSK63F-SFFA10-150 CV | 10 | 19 | 150 | 124 | 53 | 30 | 125 |
| HSK63F-SFFA10-180 CV | 10 | 19 | 180 | 154 | 53 | 30 | 155 |
| HSK63F-SFFA10-210 CV | 10 | 19 | 210 | 184 | 53 | 30 | 185 |

## Shrink Chuck, Curved
## 热缩刀柄，曲线型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |






| Size | D | C | L | M | C1 | H | h |
|---|---|---|---|---|---|---|---|
| HSK63F-SFSA12-90 CV | 12 | 15 | 90 | 64 | 53 | 30 | 64 |
| HSK63F-SFSA12-120 CV | 12 | 15 | 120 | 94 | 53 | 30 | 94 |
| HSK63F-SFSA12-150 CV | 12 | 15 | 150 | 124 | 53 | 30 | 124 |
| HSK63F-SFSA12-180 CV | 12 | 15 | 180 | 154 | 53 | 30 | 154 |
| HSK63F-SFSA12-210 CV | 12 | 15 | 210 | 184 | 53 | 30 | 184 |
| HSK63F-SFSA12-240 CV | 12 | 15 | 240 | 214 | 53 | 30 | 212 |
| HSK63F-SFSA12-270 CV | 12 | 15 | 270 | 244 | 53 | 30 | 244 |
| HSK63F-SFRA12-90 CV | 12 | 22 | 90 | 64 | 53 | 30 | 64 |
| HSK63F-SFRA12-120 CV | 12 | 22 | 120 | 94 | 53 | 30 | 94 |
| HSK63F-SFRA12-150 CV | 12 | 22 | 150 | 124 | 53 | 30 | 124 |
| HSK63F-SFRA12-180 CV | 12 | 22 | 180 | 154 | 53 | 30 | 154 |
| HSK63F-SFRA12-210 CV | 12 | 22 | 210 | 184 | 53 | 30 | 184 |
| HSK63F-SFFA12-90 CV | 12 | 22 | 90 | 64 | 53 | 30 | 64 |
| HSK63F-SFFA12-120 CV | 12 | 22 | 120 | 94 | 53 | 30 | 94 |
| HSK63F-SFFA12-150 CV | 12 | 22 | 150 | 124 | 53 | 30 | 124 |
| HSK63F-SFFA12-180 CV | 12 | 22 | 180 | 154 | 53 | 30 | 154 |
| HSK63F-SFFA12-210 CV | 12 | 22 | 210 | 184 | 53 | 30 | 184 |
| HSK63F-SFSB16-90 CV | 16 | 21 | 90 | 64 | 53 | 32 | 62 |
| HSK63F-SFSB16-120 CV | 16 | 21 | 120 | 94 | 53 | 32 | 92 |
| HSK63F-SFSB16-150 CV | 16 | 21 | 150 | 124 | 53 | 32 | 122 |
| HSK63F-SFSB16-180 CV | 16 | 21 | 180 | 154 | 53 | 32 | 152 |
| HSK63F-SFSB16-210 CV | 16 | 21 | 210 | 184 | 53 | 32 | 182 |
| HSK63F-SFSB16-240 CV | 16 | 21 | 240 | 214 | 53 | 32 | 212 |
| HSK63F-SFSB16-270 CV | 16 | 21 | 270 | 244 | 53 | 32 | 242 |
| HSK63F-SFSB20-90 CV | 20 | 26 | 90 | 64 | 51 | 40 | 62 |
| HSK63F-SFSB20-120 CV | 20 | 26 | 120 | 94 | 53 | 40 | 92 |
| HSK63F-SFSB20-150 CV | 20 | 26 | 150 | 124 | 53 | 40 | 122 |
| HSK63F-SFSB20-180 CV | 20 | 26 | 180 | 154 | 53 | 40 | 152 |
| HSK63F-SFSB20-210 CV | 20 | 26 | 210 | 184 | 53 | 40 | 182 |
| HSK63F-SFSB20-240 CV | 20 | 26 | 240 | 214 | 53 | 40 | 212 |
| HSK63F-SFSB20-270 CV | 20 | 26 | 270 | 244 | 53 | 40 | 242 |

BRIGHT-TOOLS

MACHINENY

# SHRINK FIT MACHINES

BRIGHT-TOOLS

# Shrink Fit Machine, Standard
# 刀柄热胀仪，风冷型

Size: HSM STD 2.0
Voltage: 3 x 380V 50HZ
Power: 15KW
Diameter: Φ3-Φ32
Weight: 90kg
DxWxH: 690x550x820




- HSM STD 2.0 is the standard desktop shrink fit machine, which heats the shrink fit holders through the principle of electromagnetic induction to achieve carbide cutting tool loading and unloading.
  This machine is with 7"-touch-display, automatic parameter setting, and is easy to use.
- HSM STD 2.0 是风冷款台式刀柄热胀仪，通过电磁感应原理对热缩刀柄加热，实现硬质合金刀具的装刀和卸刀。
  设备配备 7 寸触摸屏，自动化参数设置，使用简单。

供货范围 Delivery Parts
配件明细 Spare Parts


感应装置主机设备15KW 50HZ
Shrink Fit Machine Body 15KW 50HZ


1根电源线
1 power cord


1个刀柄座
1 tool holder base


2个刀柄转换套
2 tool holder adapters


1把卡簧钳
1 bent circlip pliers


1套铣刀定位卡环
1 set of end mill clamping ring


1副防护手套
1 pair of protective gloves


1副防护镜
1 pair of protective glasses


1 份操作说明
1 operating instructions

刀柄转换套：标配是 2 个，BT/SK/CAT40 一个，HSK63A 一个，其他规格转换套另行购买 .
Tool Holder changing adapter set : Standard is for 2pcs, one is for BT/SK/CAT40, another is for HSK63A, other specification adapters sets need to be purchased separately.

# Shrink Fit Machine Cooling Version
# 刀柄热胀仪，水冷型

| | Machine | Chiller |
|---|---|---|
| Size | HSM CLT II | CW-5000 |
| Voltage | 3x380V 50HZ | 220V 50-60HZ |
| Power | 15KW | 0.75-1KW |
| Diameter | Φ3-Φ32 | |
| Weight | 115kg | |
| DxWxH | 690x580x1528 | |




- HSM CLT II is equipped with a circulating water cooler, it can cool the tool holder and the tool quickly. It has a 7"-touch-display with automatic parameter setting, which is easy to use.
- HSM CLT II 配备循环式水冷机可快速实现刀柄与刀具的冷却，7 寸触摸屏自动化参数设置，使用简单。

供货范围 Delivery Parts
配件明细 Spare Parts


热缩机水冷一体机
shrink fit machine


1根电源线
1 power cord


1个刀柄座
1 tool holder base


2个刀柄转换套
2 tool holder adapt


1把卡簧钳
1 bent circlip pliers


1套铣刀定位卡环
1 set of end mill clamping ring


1副防护手套
1 pair of protective gloves


1副防护镜
1 pair of protective glasses


1 份操作说明
1 operating instru

刀柄转换套：标配是 2 个，BT/SK/CAT40 一个，HSK63A 一个，其他规格转换套另行购买 .
Tool Holder changing adapter set : Standard is for 2pcs, one is for BT/SK/CAT40, another is for HSK63A, other specification adapters sets need to be purchased separately.

BRIGHT-TOOLS

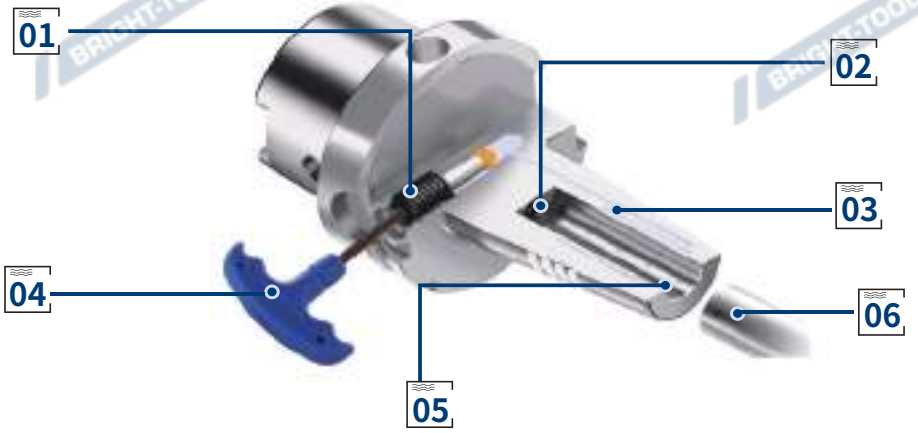
BRIGHT-TOOLS

# HYDRAULIC

## TOOL HOLDERS

BRIGHT-TOOLS

# Hydraulic Chuck Construction 液压刀柄构造图




**01 Lock Screw**

Tighten to locking screw to a dead stop.

**01 锁紧螺钉**

通过锁紧螺钉将液压油压缩到油腔中

**02 Adjust Screw**

To preset cutting tools.

**02 定位螺钉**

用于调节刀具

**03 Expansion Sleeve and Chamber System**

The chamber system fills with hydraulic fluid, exerting a damping effect on the clamped tool.

**03 膨胀套和油腔**

通过对油腔内液压油施加压力，从而膨胀夹紧刀具

**04 Hex Key**

To tighten locking screw for fast cutting tool change.

**04 内六角扳手**

用于锁紧螺钉，实现快速换刀

**05 The Grooves**

The large clamping pressure creates a displacement of oil, grease, or lubricant residues into the groove, so bore surfaces remains dry.

**05 污垢槽**

液压刀柄的巨大夹紧压力会导致油、油脂或润滑剂残留物进入凹槽，从而使表面保持干燥。

**06 Cutting Tool**

The cutting tool is clamped with high run-out.

**06 刀具**

直接夹持圆柱形刀具



High Precision
The hydraulic chuck is with high precision, which greatly improves the dimensional accuracy, effectively prevents the tool from breaking, and reduces tool wear.

精度高
液压刀柄极高的夹持精度在钻孔和铰孔加工时大大提高孔的尺寸精度并有效防止断刀，在铣削加工中则使多刃刀具各切削刃能够均匀地切入工件，从而改善切削状态，降低刀具磨损。



Large Clamping Force
The special clamping method makes it evenly clamp the cutting tool 360 degrees, with large clamping force, good rigidity, and higher clamping torque.

夹持力大
液压刀柄特殊的夹持方式使之 360 度均匀夹紧刀具，夹持力大，刚性好，能够传递更高的夹持扭矩。



Better Anti-Vibration Result
The damping structure has excellent damping and shock absorption performance. It can reduce the vibration generated in the cutting process and improve the surface quality of the workpiece.

减震效果好
液压刀柄油腔内的油增加结构阻尼，从而改善刀柄夹持的动力学特性，使之具有优良的阻尼减震性能。可以降低切削加工中产生的振动，提高工件的表面质量。



Easy to Install and Remove
Easy to insert and remove the cutting tool by a hex wrench.

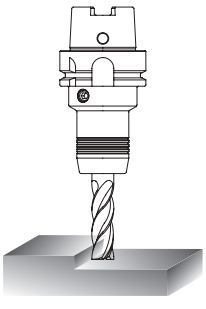
装卸简单
液压刀柄装卸刀具非常方便，只要使用一把六角扳手就可以轻松地装卸刀具，不需要任何辅助装置。



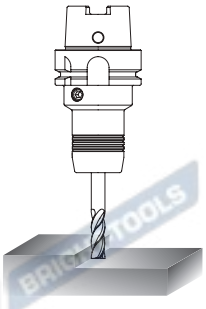
Hydraulic Collet
One tool holder can clamp different cutting tool diameters by collets.

适合高速加工
液压刀柄受空腔壁的限制，高速旋转时不产生离心力，适合高速加工。

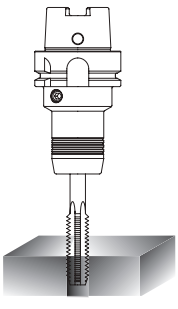
Milling
铣削



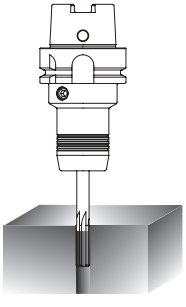
High speed cutting
高速切削



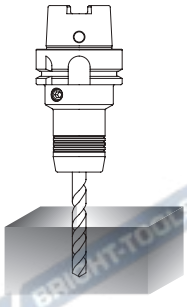
Tapping
攻丝



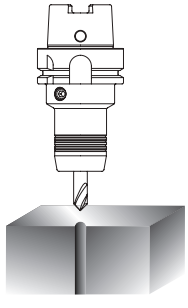
Reaming
铰削



Drilling
钻孔



Chamfer
倒角



# HYDRAULIC TOOLING SYSTEM
# HYDRAULIC 工具系统

BT Hydraulic Chuck, Standard .....B.06
BT 液压刀柄 , 标准型
BBT Hydraulic Chuck, Standard .....B.09
BBT 液压刀柄 , 标准型
SK Hydraulic Chuck, Standard .....B.10
SK 液压刀柄 , 标准型
CAT Hydraulic Chuck, Standard .....B.12
CAT 液压刀柄 , 标准型 .....B.12
HSK Hydraulic Chuck, Standard .....B.13
HSK 液压刀柄 , 标准型
BT Hydraulic Chuck, Short.....B.17
BT 液压刀柄 , 超短型
SK Hydraulic Chuck, Short.....B.17
SK 液压刀柄 , 超短型
BT Hydraulic Chuck, Power Design.....B.18
BT 液压刀柄 , 强力型
SK Hydraulic Chuck, Power Design.....B.18
SK 液压刀柄 , 强力型
HSK Hydraulic Chuck, Power Design.....B.19
HSK 液压刀柄 , 强力型
BT Hydraulic Chuck, for Mould.....B.20
BT 液压刀柄 , 模具型
SK Hydraulic Chuck, for Mould.....B.21
SK 液压刀柄 , 模具型
HSK Hydraulic Chuck, for Mould.....B.22
HSK 液压刀柄 , 模具型
BT Hydraulic Chuck, Slim.....B.23
BT 液压刀柄 , 细长型
SK Hydraulic Chuck, Slim.....B.24
SK 液压刀柄 , 细长型
CAT Hydraulic Chuck, Slim.....B.26
CAT 液压刀柄 , 细长型
HSK Hydraulic Chuck, Slim.....B.30
HSK 液压刀柄 , 细长型
Hydraulic Chuck, Slim.....B.36
直柄液压刀柄 , 细长型
SK Hydraulic Chuck, for Grind.....B.37
SK 液压刀柄 , 研磨机专用
MTB Hydraulic Chuck.....B.37
莫氏液压刀柄
Hydraulic Chuck For CNC automatic lathe.....B.38
液压刀柄 , 走心机专用
Hydraulic Collet.....B.39
液压止水筒夹
Hydraulic Collet with Coolant Channels.....B.41
液压筒夹 , 端面出水型
Hydraulic Collet Set .....B.43
液压筒夹套装
Hydraulic Chuck Set .....B.44
液压刀柄套装





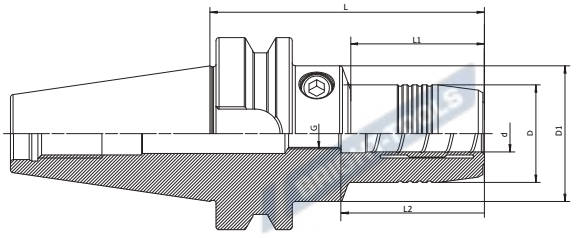




# Hydraulic Chuck, Standard
# 液压刀柄，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



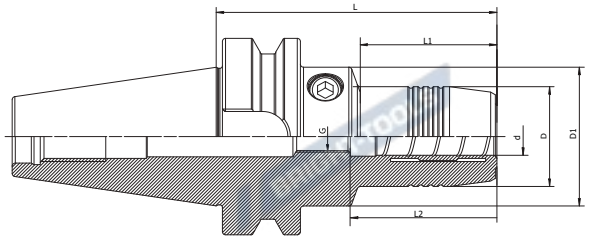



| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| BT30-HY06-70 | 06 | 26 | 45 | 70 | 28 | 38 | M5 |
| BT30-HY08-70 | 08 | 28 | 45 | 70 | 28.5 | 38 | M6 |
| BT30-HY10-75 | 10 | 30 | 45 | 75 | 34 | 42 | M8x1 |
| BT30-HY12-85 | 12 | 32 | 45 | 85 | 44 | 47 | M10x1 |
| BT30-HY14-85 | 14 | 34 | 45 | 85 | 44.5 | 47 | M10x1 |
| BT30-HY16-90 | 16 | 38 | 45 | 90 | 50 | 50 | M10x1 |
| BT30-HY18-90 | 18 | 40 | 45 | 90 | 50.5 | 50 | M10x1 |
| BT30-HY20-90 | 20 | 42 | 45 | 90 | 51 | 52 | M10x1 |
| | | | | | | | |
| BT40-HY06-65 | 06 | 26 | 44.5 | 65 | 43 | 38 | M5 |
| BT40-HY08-65 | 08 | 28 | 44.5 | 65 | 44.5 | 38 | M6 |
| BT40-HY10-65 | 10 | 30 | 44.5 | 65 | 44.5 | 42 | M8x1 |
| BT40-HY12-65 | 12 | 32 | 44.5 | 65 | 44.5 | 47 | M10x1 |
| BT40-HY14-65 | 14 | 34 | 44.5 | 65 | 44.5 | 47 | M10x1 |
| BT40-HY16-65 | 16 | 38 | 50 | 65 | 44.5 | 50 | M12x1 |
| BT40-HY18-65 | 18 | 40 | 50 | 65 | 44.5 | 50 | M8x1 |
| BT40-HY20-65 | 20 | 42 | 50 | 65 | 45.5 | 52 | M10x1 |
| | | | | | | | |
| BT40-HY06-90 | 06 | 26 | 44.5 | 90 | 43 | 38 | M5 |
| BT40-HY08-90 | 08 | 28 | 44.5 | 90 | 43.5 | 38 | M6 |
| BT40-HY10-90 | 10 | 30 | 44.5 | 90 | 44 | 42 | M8x1 |
| BT40-HY12-90 | 12 | 32 | 44.5 | 90 | 44 | 47 | M10x1 |
| BT40-HY14-90 | 14 | 34 | 44.5 | 90 | 44.5 | 47 | M10x1 |
| BT40-HY16-90 | 16 | 38 | 50 | 90 | 44.5 | 50 | M12x1 |
| BT40-HY18-90 | 18 | 40 | 50 | 90 | 44.5 | 50 | M12x1 |
| BT40-HY20-90 | 20 | 42 | 50 | 90 | 45 | 52 | M12x1 |
| BT40-HY25-100 | 25 | 57 | 62 | 100 | 54 | 58 | M16x1 |
| BT40-HY32-105 | 32 | 64 | - | 105 | - | 62 | M16x1 |

# Hydraulic Chuck, Standard
## 液压刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



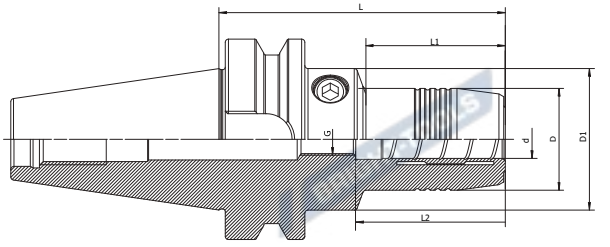



| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| BT40-HY06-150 | 06 | 26 | 50 | 150 | 102 | 38 | M5 |
| BT40-HY08-150 | 08 | 28 | 50 | 150 | 102 | 38 | M6 |
| BT40-HY10-150 | 10 | 30 | 50 | 150 | 103 | 42 | M8x1 |
| BT40-HY12-150 | 12 | 32 | 50 | 150 | 103 | 47 | M10x1 |
| BT40-HY14-150 | 14 | 34 | 50 | 150 | 103.5 | 47 | M10x1 |
| BT40-HY16-150 | 16 | 38 | 50 | 150 | 104.5 | 50 | M12x1 |
| BT40-HY18-150 | 18 | 40 | 50 | 150 | 104.5 | 50 | M12x1 |
| BT40-HY20-150 | 20 | 42 | 50 | 150 | 105 | 52 | M16x1 |
| BT40-HY25-150 | 25 | 57 | 62 | 150 | 104 | 58 | M16x1 |
| BT40-HY32-150 | 32 | 64 | - | 150 | - | 62 | M16x1 |
| | | | | | | | |
| BT40-HY06-200 | 06 | 26 | 44.5 | 200 | 152.5 | 38 | M5 |
| BT40-HY08-200 | 08 | 28 | 44.5 | 200 | 154 | 38 | M6 |
| BT40-HY10-200 | 10 | 30 | 44.5 | 200 | 154 | 42 | M8x1 |
| BT40-HY12-200 | 12 | 32 | 44.5 | 200 | 155 | 47 | M10x1 |
| BT40-HY14-200 | 14 | 34 | 44.5 | 200 | 155 | 47 | M10x1 |
| BT40-HY16-200 | 16 | 38 | 50 | 200 | 156 | 50 | M12x1 |
| BT40-HY18-200 | 18 | 40 | 50 | 200 | 156 | 50 | M12x1 |
| BT40-HY20-200 | 20 | 42 | 50 | 200 | 155 | 52 | M16x1 |
| BT40-HY25-200 | 25 | 57 | 62 | 200 | 157 | 58 | M16x1 |
| BT40-HY32-200 | 32 | 64 | - | 200 | - | 62 | M16x1 |
| | | | | | | | |
| BT50-HY06-90 | 06 | 26 | 44.5 | 90 | 34 | 38 | M5 |
| BT50-HY08-90 | 08 | 28 | 44.5 | 90 | 34 | 38 | M6 |
| BT50-HY10-90 | 10 | 30 | 44.5 | 90 | 34 | 42 | M8×1 |
| BT50-HY12-90 | 12 | 32 | 44.5 | 90 | 34 | 47 | M10×1 |
| BT50-HY14-90 | 14 | 34 | 44.5 | 90 | 34 | 47 | M10×1 |
| BT50-HY16-90 | 16 | 38 | 50 | 90 | 34 | 50 | M12×1 |
| BT50-HY18-90 | 18 | 40 | 50 | 90 | 34 | 50 | M12×1 |
| BT50-HY20-90 | 20 | 42 | 50 | 90 | 34 | 52 | M16×1 |
| BT50-HY25-105 | 25 | 57 | 70 | 105 | 46 | 58 | M16×1 |
| BT50-HY32-115 | 32 | 64 | 70 | 115 | 57.5 | 62 | M16×1 |

# Hydraulic Chuck, Standard
# 液压刀柄，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



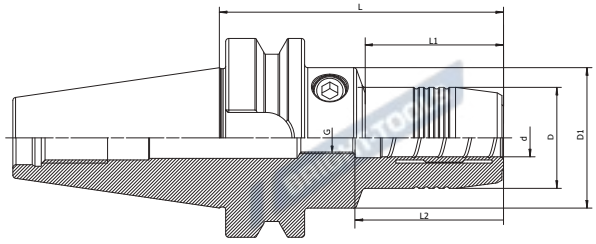



| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| BT50-HY06-120 | 06 | 26 | 44.5 | 120 | 34 | 38 | M5 |
| BT50-HY08-120 | 08 | 28 | 44.5 | 120 | 34 | 38 | M6 |
| BT50-HY10-120 | 10 | 30 | 44.5 | 120 | 34 | 42 | M8×1 |
| BT50-HY12-120 | 12 | 32 | 44.5 | 120 | 34 | 47 | M10×1 |
| BT50-HY14-120 | 14 | 34 | 44.5 | 120 | 34 | 47 | M10×1 |
| BT50-HY16-120 | 16 | 38 | 50 | 120 | 34 | 50 | M12×1 |
| BT50-HY18-120 | 18 | 40 | 50 | 120 | 34 | 50 | M12×1 |
| BT50-HY20-120 | 20 | 42 | 50 | 120 | 34 | 52 | M16×1 |
| | | | | | | | |
| BT50-HY06-150 | 06 | 26 | 44.5 | 150 | 34 | 38 | M5 |
| BT50-HY08-150 | 08 | 28 | 44.5 | 150 | 34 | 38 | M6 |
| BT50-HY10-150 | 10 | 30 | 44.5 | 150 | 34 | 42 | M8×1 |
| BT50-HY12-150 | 12 | 32 | 44.5 | 150 | 34 | 47 | M10×1 |
| BT50-HY14-150 | 14 | 34 | 44.5 | 150 | 34 | 47 | M10×1 |
| BT50-HY16-150 | 16 | 38 | 50 | 150 | 34 | 50 | M12×1 |
| BT50-HY18-150 | 18 | 40 | 50 | 150 | 34 | 50 | M12×1 |
| BT50-HY20-150 | 20 | 42 | 50 | 150 | 34 | 52 | M16×1 |
| BT50-HY25-150 | 25 | 57 | 70 | 150 | 91 | 58 | M16×1 |
| BT50-HY32-150 | 32 | 64 | 70 | 150 | 93 | 62 | M16×1 |

# Hydraulic Chuck, Standard
## 液压刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



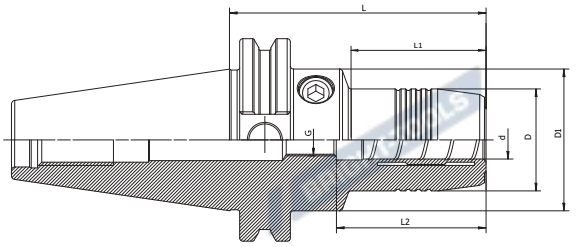



| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| BBT40-HY06-90 | 06 | 26 | 44.5 | 90 | 43 | 38 | M5 |
| BBT40-HY08-90 | 08 | 28 | 44.5 | 90 | 43.5 | 38 | M6 |
| BBT40-HY10-90 | 10 | 30 | 44.5 | 90 | 44 | 42 | M8x1 |
| BBT40-HY12-90 | 12 | 32 | 44.5 | 90 | 44 | 47 | M10x1 |
| BBT40-HY14-90 | 14 | 34 | 44.5 | 90 | 44.5 | 47 | M10x1 |
| BBT40-HY16-90 | 16 | 38 | 50 | 90 | 44.5 | 50 | M12x1 |
| BBT40-HY18-90 | 18 | 40 | 50 | 90 | 44.5 | 50 | M12x1 |
| BBT40-HY20-90 | 20 | 42 | 50 | 90 | 45 | 52 | M12x1 |
| BBT40-HY25-100 | 25 | 57 | 62 | 100 | 54 | 58 | M16x1 |
| BBT40-HY32-105 | 32 | 64 | - | 105 | - | 62 | M16x1 |
| | | | | | | | |
| BBT50-HY06-90 | 06 | 26 | 44.5 | 90 | 34 | 38 | M5 |
| BBT50-HY08-90 | 08 | 28 | 44.5 | 90 | 34 | 38 | M6 |
| BBT50-HY10-90 | 10 | 30 | 44.5 | 90 | 34 | 42 | M8×1 |
| BBT50-HY12-90 | 12 | 32 | 44.5 | 90 | 34 | 47 | M10×1 |
| BBT50-HY14-90 | 14 | 34 | 44.5 | 90 | 34 | 47 | M10×1 |
| BBT50-HY16-90 | 16 | 38 | 50 | 90 | 34 | 50 | M12×1 |
| BBT50-HY18-90 | 18 | 40 | 50 | 90 | 34 | 50 | M12×1 |
| BBT50-HY20-90 | 20 | 42 | 50 | 90 | 34 | 52 | M16×1 |
| BBT50-HY25-105 | 25 | 57 | 70 | 105 | 48.5 | 58 | M16×1 |
| BBT50-HY32-115 | 32 | 64 | 70 | 115 | 59.5 | 62 | M16×1 |
| | | | | | | | |
| BBT50-HY06-120 | 06 | 26 | 44.5 | 120 | 34 | 38 | M5 |
| BBT50-HY08-120 | 08 | 28 | 44.5 | 120 | 34 | 38 | M6×1 |
| BBT50-HY10-120 | 10 | 30 | 44.5 | 120 | 34 | 42 | M8×1 |
| BBT50-HY12-120 | 12 | 32 | 44.5 | 120 | 34 | 47 | M10×1 |
| BBT50-HY14-120 | 14 | 34 | 44.5 | 120 | 34 | 47 | M10×1 |
| BBT50-HY16-120 | 16 | 38 | 44.5 | 120 | 34 | 50 | M12×1 |
| BBT50-HY18-120 | 18 | 40 | 44.5 | 120 | 34 | 50 | M12×1 |
| BBT50-HY20-120 | 20 | 42 | 50 | 120 | 34 | 52 | M16×1 |

## Hydraulic Chuck, Standard
## 液压刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD/B |



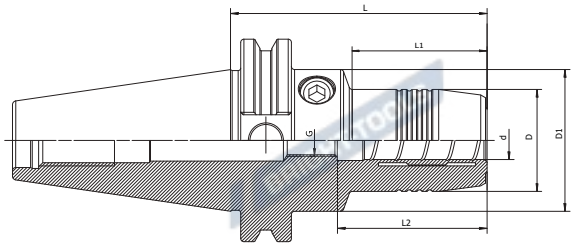



| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| SK30-HY06-70 | 06 | 26 | 45 | 70 | 20 | 38 | M5 |
| SK30-HY08-70 | 08 | 28 | 45 | 70 | 20 | 38 | M6 |
| SK30-HY10-75 | 10 | 30 | 45 | 75 | 21 | 42 | M8x1 |
| SK30-HY12-85 | 12 | 32 | 44.5 | 85 | 44 | 47 | M10x1 |
| SK30-HY14-85 | 14 | 34 | 45 | 85 | 22 | 47 | M10x1 |
| SK30-HY16-90 | 16 | 38 | 45 | 90 | 50 | 50 | M6 |
| SK30-HY18-90 | 18 | 40 | 45 | 90 | 50 | 50 | M10x1 |
| SK30-HY20-90 | 20 | 42 | 45 | 90 | 50 | 52 | M6 |
| | | | | | | | |
| SK40-HY06-65 | 06 | 26 | 44.5 | 65 | 42 | 38 | M5 |
| SK40-HY08-65 | 08 | 28 | 49.5 | 65 | 30 | 38 | M6 |
| SK40-HY10-65 | 10 | 30 | 49.5 | 65 | 31 | 42 | M8x1 |
| SK40-HY12-65 | 12 | 32 | 44.5 | 65 | 43 | 47 | M10x1 |
| SK40-HY16-65 | 16 | 38 | 49.5 | 65 | 33 | 50 | M12x1 |
| SK40-HY20-65 | 20 | 42 | 49 | 65 | 44 | 52 | M10x1 |
| | | | | | | | |
| SK40-HY06-80.5 | 06 | 26 | 44.5 | 80.5 | 41.5 | 38 | M5 |
| SK40-HY08-80.5 | 08 | 28 | 44.5 | 80.5 | 42 | 38 | M6 |
| SK40-HY10-80.5 | 10 | 30 | 44.5 | 80.5 | 42 | 42 | M8x1 |
| SK40-HY12-80.5 | 12 | 32 | 44.5 | 80.5 | 42.5 | 47 | M10x1 |
| SK40-HY14-80.5 | 14 | 34 | 44.5 | 80.5 | 43 | 47 | M10x1 |
| SK40-HY16-80.5 | 16 | 38 | 50 | 80.5 | 43 | 50 | M12x1 |
| SK40-HY20-80.5 | 20 | 42 | 49 | 80.5 | 44 | 52 | M12x1 |
| SK40-HY25-80.5 | 25 | 57 | 68 | 80.5 | 26 | 58 | M16x1 |
| SK40-HY32-80.5 | 32 | 64 | 80 | 80.5 | 23 | 62 | M16x1 |
| | | | | | | | |
| SK40-HY06-110 | 06 | 26 | 44.5 | 110 | 71.5 | 38 | M5 |
| SK40-HY08-110 | 08 | 28 | 44.5 | 110 | 71.5 | 38 | M6 |
| SK40-HY10-110 | 10 | 30 | 44.5 | 110 | 72 | 42 | M8x1 |
| SK40-HY12-110 | 12 | 32 | 44.5 | 110 | 72.5 | 47 | M10x1 |
| SK40-HY16-110 | 16 | 38 | 50 | 110 | 72 | 50 | M12x1 |
| SK40-HY20-110 | 20 | 42 | 50 | 110 | 73 | 52 | M16x1 |

# Hydraulic Chuck, Standard
## 液压刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD/B |



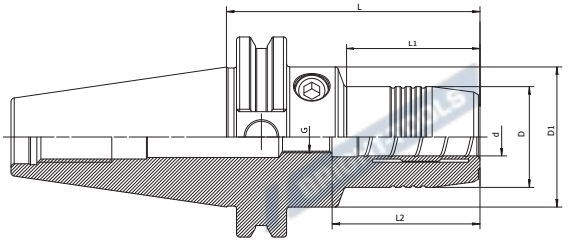



| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| SK50-HY06-80.5 | 06 | 26 | 50 | 80.5 | 39.5 | 38 | M5 |
| SK50-HY08-80.5 | 08 | 28 | 50 | 80.5 | 39.5 | 38 | M6 |
| SK50-HY10-80.5 | 10 | 30 | 50 | 80.5 | 40 | 42 | M8x1 |
| SK50-HY12-80.5 | 12 | 32 | 50 | 80.5 | 40.5 | 47 | M10x1 |
| SK50-HY16-80.5 | 16 | 38 | 49.5 | 80.5 | 40 | 50 | M12x1 |
| SK50-HY20-80.5 | 20 | 42 | 50 | 80.5 | 44 | 52 | M16x1 |
| SK50-HY25-80.5 | 25 | 57 | 70 | 80.5 | 43 | 58 | M16x1 |
| SK50-HY32-80.5 | 32 | 64 | 70 | 80.5 | 44 | 62 | M16x1 |
| | | | | | | | |
| SK50-HY06-110 | 06 | 26 | 49.5 | 110 | 30 | 38 | M5 |
| SK50-HY08-110 | 08 | 28 | 49.5 | 110 | 30 | 38 | M6 |
| SK50-HY10-110 | 10 | 30 | 49.5 | 110 | 32 | 42 | M8x1 |
| SK50-HY12-110 | 12 | 32 | 50 | 110 | 44 | 47 | M10x1 |
| SK50-HY16-110 | 16 | 38 | 49.5 | 110 | 40 | 50 | M12x1 |
| SK50-HY20-110 | 20 | 42 | 50 | 110 | 44 | 52 | M16x1 |
| SK50-HY25-110 | 25 | 27 | 70 | 110 | 70 | 58 | M16x1 |
| | | | | | | | |
| SK50-HY06-150 | 06 | 26 | 49.5 | 150 | 30 | 38 | M5 |
| SK50-HY08-150 | 08 | 28 | 49.5 | 150 | 30 | 38 | M6 |
| SK50-HY10-150 | 10 | 30 | 49.5 | 150 | 32 | 42 | M8x1 |
| SK50-HY12-150 | 12 | 32 | 49.5 | 150 | 35 | 47 | M10x1 |
| SK50-HY16-150 | 16 | 38 | 49.5 | 150 | 40 | 50 | M12x1 |
| SK50-HY20-150 | 20 | 42 | 50 | 150 | 44 | 52 | M16x1 |

## Hydraulic Chuck, Standard
## 液压刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



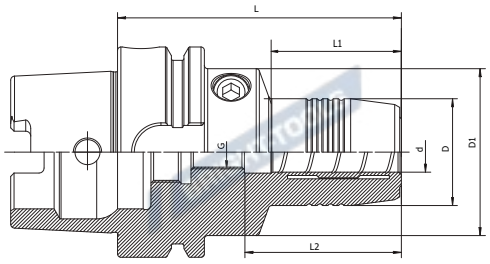



| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| CAT40-HY06-81 | 06 | 26 | 49.5 | 81 | 30 | 38 | M5 |
| CAT40-HY08-81 | 08 | 28 | 49.5 | 81 | 30 | 38 | M6 |
| CAT40-HY10-81 | 10 | 30 | 49.5 | 81 | 31 | 42 | M8x1 |
| CAT40-HY12-81 | 12 | 32 | 49.5 | 81 | 31.5 | 47 | M10x1 |
| CAT40-HY16-81 | 16 | 38 | 49.5 | 81 | 33 | 50 | M12x1 |
| CAT40-HY20-81 | 20 | 42 | 49.5 | 81 | 34 | 52 | M10x1 |
| CAT40-HY25-81 | 25 | 55 | 66 | 81 | 22 | 58 | M16x1 |
| CAT40-HY32-81 | 32 | 63 | 80 | 81 | 25.5 | 62 | M16x1 |
| | | | | | | | |
| CAT40-HY06-110 | 06 | 26 | 49.5 | 110 | 29.5 | 38 | M5 |
| CAT40-HY08-110 | 08 | 28 | 49.5 | 110 | 30 | 38 | M6 |
| CAT40-HY10-110 | 10 | 30 | 49.5 | 110 | 31 | 42 | M8x1 |
| CAT40-HY12-110 | 12 | 32 | 49.5 | 110 | 31.5 | 47 | M10x1 |
| CAT40-HY16-110 | 16 | 38 | 49.5 | 110 | 33 | 50 | M12x1 |
| CAT40-HY20-110 | 20 | 42 | 49.5 | 110 | 34 | 52 | M16x1 |
| | | | | | | | |
| CAT50-HY06-81 | 06 | 26 | 49.5 | 81 | 30 | 38 | M5 |
| CAT50-HY08-81 | 08 | 28 | 49.5 | 81 | 30 | 38 | M6 |
| CAT50-HY10-81 | 10 | 30 | 49.5 | 81 | 32 | 42 | M8x1 |
| CAT50-HY12-81 | 12 | 32 | 49.5 | 81 | 35 | 47 | M10x1 |
| CAT50-HY16-81 | 16 | 38 | 49.5 | 81 | 40 | 50 | M12x1 |
| CAT50-HY20-81 | 20 | 42 | 49.5 | 81 | 40 | 52 | M16x1 |

# Hydraulic Chuck, Standard
# 液压刀柄，标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



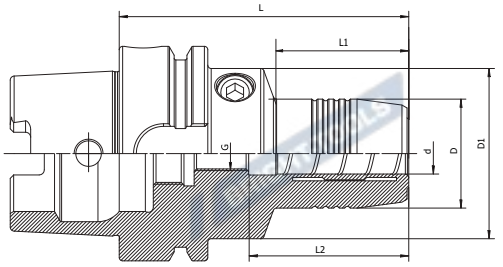



| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| HSK32A-HY06-80 | 06 | 26 | 40 | 80 | 29 | 38 | M5 |
| HSK32A-HY08-80 | 08 | 28 | 40 | 80 | 29 | 38 | M6 |
| HSK32A-HY10-85 | 10 | 30 | 40 | 85 | 35 | 42 | M6 |
| HSK32A-HY12-90 | 12 | 32 | 40 | 90 | 40 | 47 | M6 |
| | | | | | | | |
| HSK40A-HY06-70 | 06 | 26 | 34 | 70 | 36 | 38 | M5 |
| HSK40A-HY08-70 | 08 | 28 | 34 | 70 | 36 | 38 | M6 |
| HSK40A-HY10-75 | 10 | 30 | 34 | 75 | 42 | 42 | M6 |
| HSK40A-HY12-80 | 12 | 32 | 34 | 80 | 48 | 47 | M6 |
| | | | | | | | |
| HSK50A-HY06-70 | 06 | 26 | 40 | 70 | 28 | 38 | M5 |
| HSK50A-HY08-70 | 08 | 28 | 40 | 70 | 28 | 38 | M6 |
| HSK50A-HY10-75 | 10 | 30 | 40 | 75 | 39 | 42 | M8×1 |
| HSK50A-HY12-85 | 12 | 32 | 40 | 85 | 44 | 47 | M8×1 |
| HSK50A-HY14-85 | 14 | 34 | 41 | 85 | 43.5 | 47 | M8×1 |
| HSK50A-HY16-90 | 16 | 38 | 53 | 90 | 30 | 50 | M8×1 |
| HSK50A-HY18-90 | 18 | 40 | 57 | 90 | 30 | 50 | M8×1 |
| HSK50A-HY20-90 | 20 | 42 | 60 | 90 | 29 | 52 | M8×1 |
| | | | | | | | |
| HSK63A-HY06-70 | 06 | 26 | 50 | 70 | 23 | 38 | M5 |
| HSK63A-HY08-70 | 08 | 28 | 50 | 70 | 23.5 | 38 | M6 |
| HSK63A-HY10-80 | 10 | 30 | 50 | 80 | 34 | 42 | M8x1 |
| HSK63A-HY12-85 | 12 | 32 | 50 | 85 | 39 | 47 | M10x1 |
| HSK63A-HY14-85 | 14 | 34 | 50 | 85 | 40 | 47 | M10×1 |
| HSK63A-HY16-90 | 16 | 38 | 50 | 90 | 45.5 | 50 | M10×1 |
| HSK63A-HY18-90 | 18 | 40 | 50 | 90 | 46 | 50 | M10×1 |
| HSK63A-HY20-90 | 20 | 42 | 50 | 90 | 46 | 52 | M10×1 |
| HSK63A-HY25-120 | 25 | 57 | 62 | 120 | 58 | 58 | M16×1 |
| HSK63A-HY32-125 | 32 | 64 | - | 125 | - | 62 | M16×1 |

## Hydraulic Chuck, Standard
## 液压刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



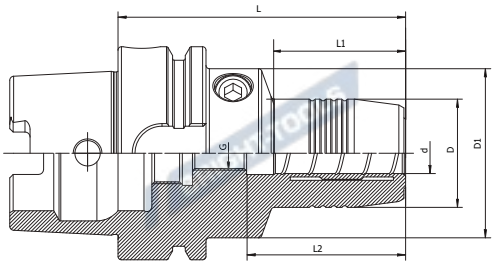



| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| HSK63A-HY06-150 | 06 | 26 | 50 | 150 | 103 | 38 | M5 |
| HSK63A-HY08-150 | 08 | 28 | 50 | 150 | 104 | 38 | M6 |
| HSK63A-HY10-150 | 10 | 30 | 50 | 150 | 104 | 42 | M8x1 |
| HSK63A-HY12-150 | 12 | 32 | 50 | 150 | 104 | 47 | M10x1 |
| HSK63A-HY14-150 | 14 | 34 | 50 | 150 | 105 | 47 | M10x1 |
| HSK63A-HY16-150 | 16 | 38 | 50 | 150 | 105 | 50 | M12x1 |
| HSK63A-HY18-150 | 18 | 40 | 50 | 150 | 106 | 50 | M12x1 |
| HSK63A-HY20-150 | 20 | 42 | 50 | 150 | 106 | 52 | M16x1 |
| HSK63A-HY25-150 | 25 | 57 | 62 | 150 | 88 | 58 | M16x1 |
| HSK63A-HY32-150 | 32 | 64 | 70 | 150 | 88 | 62 | M16x1 |
| | | | | | | | |
| HSK63A-HY06-200 | 06 | 26 | 50 | 200 | 153 | 38 | M5 |
| HSK63A-HY08-200 | 08 | 28 | 50 | 200 | 154 | 38 | M6 |
| HSK63A-HY10-200 | 10 | 30 | 50 | 200 | 154 | 42 | M8x1 |
| HSK63A-HY12-200 | 12 | 32 | 50 | 200 | 154 | 47 | M10x1 |
| HSK63A-HY14-200 | 14 | 34 | 50 | 200 | 155 | 47 | M12x1 |
| HSK63A-HY16-200 | 16 | 38 | 50 | 200 | 155 | 50 | M12x1 |
| HSK63A-HY18-200 | 18 | 40 | 50 | 200 | 156 | 50 | M12x1 |
| HSK63A-HY20-200 | 20 | 42 | 50 | 200 | 156 | 52 | M16x1 |
| HSK63A-HY25-200 | 25 | 57 | 62 | 200 | 156 | 58 | M16x1 |
| HSK63A-HY32-200 | 32 | 64 | 70 | 200 | 156 | 62 | M16x1 |
| | | | | | | | |
| HSK80A-HY06-80 | 06 | 26 | 50 | 80 | 33 | 38 | M5 |
| HSK80A-HY12-95 | 12 | 32 | 50 | 95 | 49 | 47 | M10x1 |
| HSK80A-HY14-100 | 14 | 34 | 50 | 100 | 54.5 | 47 | M10x1 |
| HSK80A-HY16-100 | 16 | 38 | 50 | 100 | 55 | 50 | M12x1 |
| HSK80A-HY20-105 | 20 | 42 | 50 | 105 | 61 | 52 | M12x1 |
| HSK80A-HY25-110 | 25 | 57 | 63 | 110 | 64.5 | 58 | M16x1 |
| HSK80A-HY32-100 | 32 | 64 | 67 | 100 | 55 | 62 | M10x1 |

# Hydraulic Chuck, Standard
# 液压刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



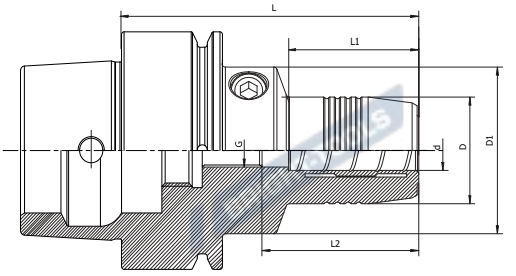



| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| HSK100A-HY06-75 | 06 | 26 | 50 | 75 | 25 | 38 | M5 |
| HSK100A-HY08-75 | 08 | 28 | 50 | 75 | 25.5 | 38 | M6 |
| HSK100A-HY10-90 | 10 | 30 | 50 | 90 | 41 | 42 | M8x1 |
| HSK100A-HY12-95 | 12 | 32 | 50 | 95 | 46 | 47 | M10×1 |
| HSK100A-HY14-95 | 14 | 34 | 50 | 95 | 47 | 47 | M10×1 |
| HSK100A-HY16-100 | 16 | 38 | 50 | 100 | 52 | 50 | M12x1 |
| HSK100A-HY18-100 | 18 | 40 | 50 | 100 | 52.5 | 50 | M12x1 |
| HSK100A-HY20-105 | 20 | 42 | 60 | 105 | 54 | 52 | M16x1 |
| HSK100A-HY25-110 | 25 | 57 | 70 | 110 | 60 | 58 | M16x1 |
| HSK100A-HY32-110 | 32 | 64 | 70 | 110 | 61.5 | 62 | M16x1 |
| | | | | | | | |
| HSK100A-HY06-150 | 06 | 26 | 50 | 150 | 100 | 38 | M5 |
| HSK100A-HY08-150 | 08 | 28 | 50 | 150 | 100.5 | 38 | M6 |
| HSK100A-HY10-150 | 10 | 30 | 50 | 150 | 101 | 42 | M8x1 |
| HSK100A-HY12-150 | 12 | 32 | 50 | 150 | 101.5 | 47 | M10x1 |
| HSK100A-HY14-150 | 14 | 34 | 50 | 150 | 105.5 | 47 | M12x1 |
| HSK100A-HY16-150 | 16 | 38 | 50 | 150 | 105.5 | 50 | M12x1 |
| HSK100A-HY18-150 | 18 | 40 | 50 | 150 | 105.5 | 50 | M12x1 |
| HSK100A-HY20-150 | 20 | 42 | 60 | 150 | 99 | 52 | M16x1 |
| HSK100A-HY25-150 | 25 | 57 | 70 | 150 | 100 | 58 | M16x1 |
| HSK100A-HY32-150 | 32 | 64 | 70 | 150 | 102 | 62 | M16x1 |
| | | | | | | | |
| HSK100A-HY06-200 | 06 | 26 | 50 | 200 | 103.5 | 38 | M5 |
| HSK100A-HY08-200 | 08 | 28 | 50 | 200 | 104 | 38 | M6 |
| HSK100A-HY10-200 | 10 | 30 | 50 | 200 | 104.5 | 42 | M8x1 |
| HSK100A-HY12-200 | 12 | 32 | 50 | 200 | 104.5 | 47 | M10x1 |
| HSK100A-HY14-200 | 14 | 34 | 50 | 200 | 105.5 | 47 | M12x1 |
| HSK100A-HY16-200 | 16 | 38 | 50 | 200 | 105.5 | 50 | M12x1 |
| HSK100A-HY18-200 | 18 | 40 | 50 | 200 | 105.5 | 50 | M12x1 |
| HSK100A-HY20-200 | 20 | 42 | 60 | 200 | 149 | 52 | M16x1 |
| HSK100A-HY25-200 | 25 | 57 | 62 | 200 | 152 | 58 | M16x1 |
| HSK100A-HY32-200 | 32 | 64 | 70 | 200 | 152 | 62 | M16x1 |
| | | | | | | | |
| HSK125A-HY20-115 | 20 | 65 | - | 115 | 66 | 52 | M16×1 |
| HSK125A-HY32-125 | 32 | 80 | - | 125 | 76 | 62 | M16×1 |

## Hydraulic Chuck, Standard
## 液压刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





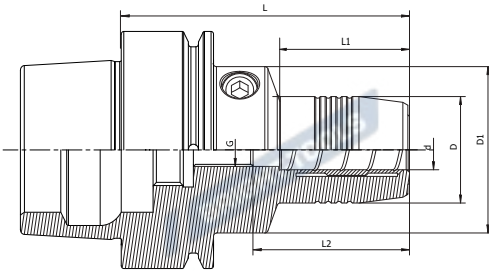

| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| HSK40E-HY06-70 | 06 | 26 | 34 | 70 | 36 | 38 | M5 |
| HSK40E-HY08-70 | 08 | 28 | 34 | 70 | 36 | 38 | M6 |
| HSK40E-HY10-75 | 10 | 30 | 34 | 75 | 42 | 42 | M6 |
| HSK40E-HY12-80 | 12 | 32 | 34 | 80 | 48 | 47 | M6 |
| | | | | | | | |
| HSK50E-HY06-70 | 06 | 26 | 40 | 70 | 28 | 38 | M5 |
| HSK50E-HY08-70 | 08 | 28 | 40 | 70 | 28 | 38 | M6 |
| HSK50E-HY10-75 | 10 | 30 | 40 | 75 | 34 | 42 | M8x1 |
| HSK50E-HY12-85 | 12 | 32 | 40 | 85 | 44 | 47 | M10x1 |
| HSK50E-HY16-90 | 16 | 38 | 53 | 90 | 30 | 50 | M12x1 |
| HSK50E-HY20-90 | 20 | 42 | 60 | 90 | 29 | 52 | M16x1 |



## Hydraulic Chuck, Standard
## 液压刀柄 , 标准型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5 | AD |



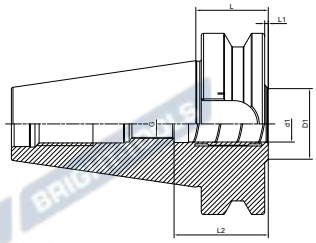



| Size | d | D | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| HSK63F-HY06-70 | 06 | 26 | 50 | 70 | 23 | 38 | M5 |
| HSK63F-HY08-70 | 08 | 28 | 50 | 70 | 23.5 | 38 | M6 |
| HSK63F-HY10-80 | 10 | 30 | 50 | 80 | 34 | 42 | M8×1 |
| HSK63F-HY12-85 | 12 | 32 | 50 | 85 | 39 | 47 | M6 |
| HSK63F-HY14-85 | 14 | 34 | 50 | 85 | 40 | 47 | M10×1 |
| HSK63F-HY16-90 | 16 | 38 | 50 | 90 | 45 | 50 | M12×1 |
| HSK63F-HY18-90 | 18 | 40 | 50 | 90 | 47 | 50 | M12×1 |
| HSK63F-HY20-90 | 20 | 42 | 50 | 90 | 46 | 52 | M12×1 |
| HSK63F-HY25-120 | 25 | 57 | 63 | 120 | 59 | 58 | M16×1 |
| HSK63F-HY32-125 | 32 | 64 | 75 | 125 | 63 | 62 | M16×1 |

## Hydraulic Chuck, Short
## 液压刀柄 , 超短型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





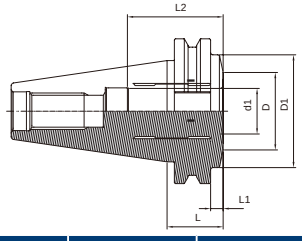

| Size | d1 | D1 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|
| BT40-HY20-32.5 | 20 | 34 | 32.5 | 5.5 | 52 | - |
| BT50-HY20-40 | 20 | 39 | 40 | 2 | 52 | M16x1 |



## Hydraulic Chuck, Short
## 液压刀柄 , 超短型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



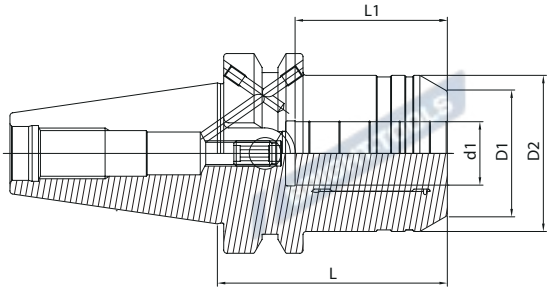



| Size | d1 | D1 | D2 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| SK40-HY20-24.6 | 20 | 34 | 49.5 | 24.6 | 5.5 | 52 | - |
| SK50-HY32-30.9 | 32 | 44.5 | 70.5 | 30.9 | 11.85 | 62 | - |

## Hydraulic Chuck, Power Design
## 液压刀柄 , 强力型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





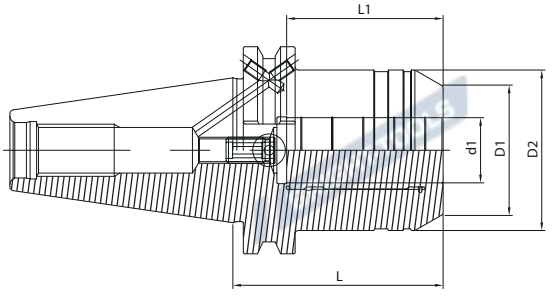

| Size | d1 | D1 | D2 | L | L1 | G |
|---|---|---|---|---|---|---|
| BT30-HYP12-69 | 12 | 32 | 42 | 69 | 41 | M8x1 |
| BT30-HYP20-90 | 20 | 38 | 42 | 90 | 48 | M8x1 |
| | | | | | | |
| BT40-HYP12-58 | 12 | 32 | 42 | 58 | 41 | M8x1 |
| BT40-HYP20-72.5 | 20 | 38 | 49.25 | 72.5 | 48 | M8x1 |
| | | | | | | |
| BT50-HYP20-83.5 | 20 | 38 | 49.25 | 83.5 | 48 | M8x1 |
| BT50-HYP32-90 | 32 | 58.5 | 72 | 90 | 57 | M8x1 |



## Hydraulic Chuck, Power Design
## 液压刀柄 , 强力型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



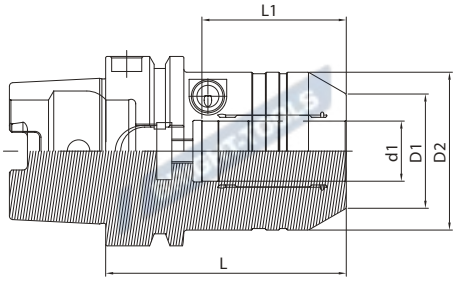



| Size | d1 | D1 | D2 | L | L1 | G |
|---|---|---|---|---|---|---|
| SK40-HYP12-50 | 12 | 32 | 42 | 50 | 41 | M8x1 |
| SK40-HYP20-64.5 | 20 | 38 | 49.5 | 64.5 | 48 | M8x1 |
| | | | | | | |
| SK50-HYP20-64.5 | 20 | 38 | 49.5 | 64.5 | 48 | M8x1 |
| SK50-HYP32-81 | 32 | 58.5 | 72 | 81 | 57 | M8x1 |

# Hydraulic Chuck, Power Design
# 液压刀柄 , 强力型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



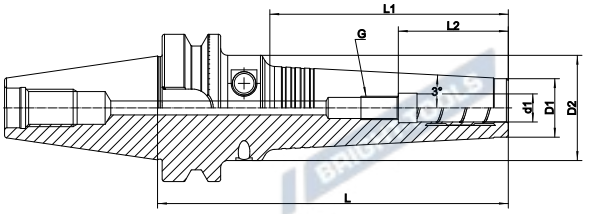



| Size | d1 | D1 | D2 | L | L1 | G |
|---|---|---|---|---|---|---|
| HSK63A-HYP12-80 | 12 | 32 | 42 | 80 | 41 | M8x1 |
| HSK63A-HYP20-80 | 20 | 38 | 52.5 | 80 | 48 | M8x1 |
| | | | | | | |
| HSK100A-HYP20-90 | 20 | 38 | 52.5 | 90 | 48 | M8x1 |
| HSK100A-HYP32-100 | 32 | 58.5 | 72 | 100 | 57 | M8x1 |

# Hydraulic Chuck, for Mould
# 液压刀柄，模具型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



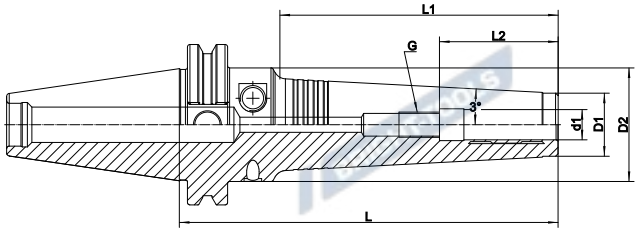



| Size | d1 | D1 | D2 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| BT40-HYM06-120 | 06 | 20 | 44.5 | 120 | 70 | 38 | M5 |
| BT40-HYM06-150 | 06 | 20 | 44.5 | 150 | 100 | 38 | M5 |
| BT40-HYM08-120 | 08 | 22 | 44.5 | 120 | 70 | 38 | M6 |
| BT40-HYM08-150 | 08 | 22 | 44.5 | 150 | 100 | 38 | M6 |
| BT40-HYM10-120 | 10 | 24 | 44.5 | 120 | 70 | 42 | M8×1 |
| BT40-HYM10-150 | 10 | 24 | 44.5 | 150 | 100 | 42 | M8×1 |
| BT40-HYM12-120 | 12 | 25 | 44.5 | 120 | 70 | 47 | M10×1 |
| BT40-HYM12-150 | 12 | 25 | 44.5 | 150 | 100 | 47 | M10×1 |
| BT40-HYM16-120 | 16 | 32 | 44.5 | 120 | 70 | 50 | M12×1 |
| BT40-HYM16-150 | 16 | 32 | 44.5 | 150 | 100 | 50 | M12×1 |
| BT40-HYM20-120 | 20 | 34 | 43.8 | 120 | 93 | 52 | M16×1 |
| BT40-HYM20-150 | 20 | 34 | 46.9 | 150 | 123 | 52 | M16×1 |
| | | | | | | | |
| BT50-HYM06-150 | 06 | 20 | 50 | 150 | 90 | 38 | M5 |
| BT50-HYM08-150 | 08 | 22 | 50 | 150 | 90 | 38 | M6 |
| BT50-HYM10-150 | 10 | 24 | 50 | 150 | 90 | 42 | M8×1 |
| BT50-HYM12-150 | 12 | 25 | 50 | 150 | 90 | 47 | M10×1 |
| BT50-HYM16-150 | 16 | 32 | 50 | 150 | 90 | 50 | M12×1 |
| BT50-HYM20-150 | 20 | 34 | 50 | 150 | 90 | 52 | M16×1 |

# Hydraulic Chuck, for Mould
# 液压刀柄，模具型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



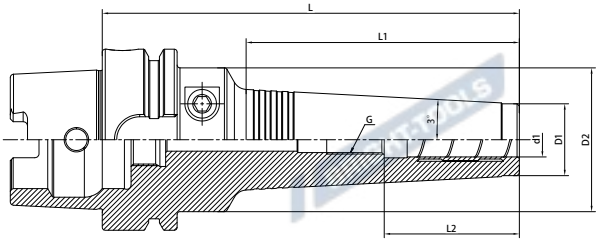



| Size | d1 | D1 | D2 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| SK40-HYM06-120 | 06 | 20 | 49.5 | 120 | 70 | 38 | M5 |
| SK40-HYM06-150 | 06 | 20 | 49.5 | 150 | 100 | 38 | M5 |
| SK40-HYM08-120 | 08 | 22 | 49.5 | 120 | 70 | 38 | M6 |
| SK40-HYM08-150 | 08 | 22 | 49.5 | 150 | 100 | 38 | M6 |
| SK40-HYM10-120 | 10 | 24 | 44.5 | 120 | 70 | 42 | M8×1 |
| SK40-HYM10-150 | 10 | 24 | 44.5 | 150 | 100 | 42 | M8×1 |
| SK40-HYM12-120 | 12 | 25 | 44.5 | 120 | 70 | 47 | M10×1 |
| SK40-HYM12-150 | 12 | 25 | 44.5 | 150 | 100 | 47 | M10×1 |
| SK40-HYM16-120 | 16 | 32 | 49.5 | 120 | 70 | 50 | M12×1 |
| SK40-HYM16-150 | 16 | 32 | 49.5 | 150 | 100 | 50 | M12×1 |
| SK40-HYM20-120 | 20 | 34 | 49.5 | 120 | 70 | 52 | M16×1 |
| SK40-HYM20-150 | 20 | 34 | 49.5 | 150 | 100 | 52 | M16×1 |
| | | | | | | | |
| SK50-HYM06-150 | 06 | 20 | 44.5 | 150 | 100 | 38 | M5 |
| SK50-HYM08-150 | 08 | 22 | 44.5 | 150 | 100 | 38 | M6 |
| SK50-HYM10-150 | 10 | 24 | 44.5 | 150 | 100 | 42 | M8×1 |
| SK50-HYM12-150 | 12 | 25 | 44.5 | 150 | 100 | 47 | M10×1 |
| SK50-HYM16-150 | 16 | 32 | 44.5 | 150 | 100 | 50 | M12×1 |
| SK50-HYM20-150 | 20 | 34 | 44.5 | 150 | 100 | 52 | M16×1 |

# Hydraulic Chuck, for Mould
# 液压刀柄，模具型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



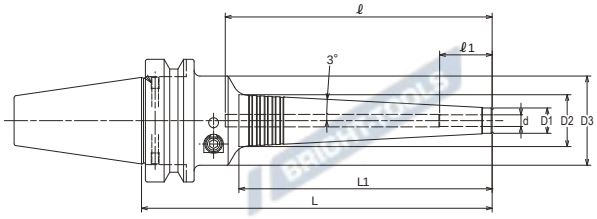



| Size | d1 | D1 | D2 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| HSK63A-HYM06-145 | 06 | 20 | 50 | 145 | 90 | 38 | M5 |
| HSK63A-HYM08-145 | 08 | 22 | 50 | 145 | 90 | 38 | M6 |
| HSK63A-HYM10-145 | 10 | 24 | 50 | 145 | 90 | 42 | M8×1 |
| HSK63A-HYM12-145 | 12 | 25 | 50 | 145 | 90 | 47 | M10×1 |
| HSK63A-HYM16-145 | 16 | 32 | 50 | 145 | 90 | 50 | M12×1 |
| HSK63A-HYM20-145 | 20 | 34 | 50 | 145 | 90 | 52 | M16×1 |
| | | | | | | | |
| HSK100A-HYM06-150 | 06 | 20 | 50 | 150 | 90 | 38 | M5 |
| HSK100A-HYM08-150 | 08 | 22 | 50 | 150 | 90 | 38 | M6 |
| HSK100A-HYM10-150 | 10 | 24 | 50 | 150 | 90 | 42 | M8×1 |
| HSK100A-HYM12-150 | 12 | 25 | 50 | 150 | 90 | 47 | M10×1 |
| HSK100A-HYM16-150 | 16 | 32 | 50 | 150 | 90 | 50 | M12×1 |
| HSK100A-HYM20-150 | 20 | 34 | 50 | 150 | 90 | 52 | M16×1 |

# Hydraulic Chuck, Slim
# 液压刀柄 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



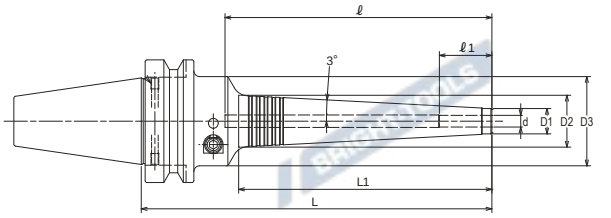



| Size | d | L | L1 | D1 | D2 | D3 | ℓ | ℓ1 |
|---|---|---|---|---|---|---|---|---|
| BT30-HYS03-70 | 03 | 70 | 28 | 11 | 14.0 | 46 | 93 | 16 |
| BT30-HYS03-85 | 03 | 85 | 37 | 11 | 14.9 | 46 | 108 | 16 |
| BT30-HYS03-130 | 03 | 130 | 84 | 11 | 19.9 | 46 | 153 | 16 |
| BT30-HYS04-70 | 04 | 70 | 28 | 11 | 14.0 | 46 | 93 | 19 |
| BT30-HYS04-85 | 04 | 85 | 37 | 11 | 14.9 | 46 | 108 | 19 |
| BT30-HYS04-130 | 04 | 130 | 84 | 11 | 19.9 | 46 | 153 | 19 |
| BT30-HYS06-90 | 06 | 90 | 38 | 13 | 17.0 | 46 | 58 | 27 |
| BT30-HYS06-135 | 06 | 135 | 84 | 13 | 21.9 | 46 | 92 | 27 |
| BT30-HYS06-150 | 06 | 150 | 99 | 13 | 23.4 | 46 | 107 | 27 |
| BT30-HYS06-165 | 06 | 165 | 114 | 13 | 25.0 | 46 | 122 | 27 |
| BT30-HYS06-180 | 06 | 180 | 130 | 13 | 26.7 | 46 | 137 | 27 |
| BT30-HYS08-90 | 08 | 90 | 38 | 15 | 19.0 | 46 | 58 | 27 |
| BT30-HYS08-135 | 08 | 135 | 84 | 15 | 23.9 | 46 | 92 | 27 |
| BT30-HYS08-150 | 08 | 150 | 99 | 15 | 25.4 | 46 | 107 | 27 |
| BT30-HYS08-165 | 08 | 165 | 114 | 15 | 27.0 | 46 | 122 | 27 |
| BT30-HYS08-180 | 08 | 180 | 130 | 15 | 28.7 | 46 | 137 | 27 |
| BT30-HYS10-105 | 10 | 105 | 53 | 17 | 22.6 | 46 | 73 | 33 |
| BT30-HYS10-135 | 10 | 135 | 84 | 17 | 25.9 | 46 | 92 | 33 |
| BT30-HYS10-150 | 10 | 150 | 99 | 17 | 27.4 | 46 | 107 | 33 |
| BT30-HYS10-165 | 10 | 165 | 114 | 17 | 29.0 | 46 | 122 | 33 |
| BT30-HYS10-180 | 10 | 180 | 130 | 17 | 30.7 | 46 | 137 | 33 |
| BT30-HYS12-105 | 12 | 105 | 53 | 19 | 24.6 | 46 | 73 | 36 |
| BT30-HYS12-135 | 12 | 135 | 84 | 19 | 27.9 | 46 | 92 | 36 |
| BT30-HYS12-150 | 12 | 150 | 99 | 19 | 29.4 | 46 | 107 | 36 |
| BT30-HYS12-165 | 12 | 165 | 114 | 19 | 31.0 | 46 | 122 | 36 |
| BT30-HYS12-180 | 12 | 180 | 130 | 19 | 32.7 | 46 | 137 | 36 |

# Hydraulic Chuck, Slim
# 液压刀柄 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



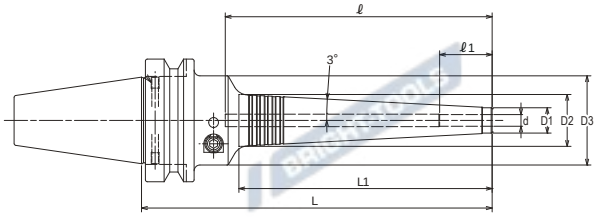



| Size | d | L | L1 | D1 | D2 | D3 | ℓ | ℓ1 |
|---|---|---|---|---|---|---|---|---|
| BT40-HYS03-75 | 03 | 75 | 28 | 11 | 14.0 | 46 | 110 | 16 |
| BT40-HYS03-90 | 03 | 90 | 37 | 11 | 14.9 | 46 | 125 | 16 |
| BT40-HYS03-135 | 03 | 135 | 84 | 11 | 19.9 | 46 | 170 | 16 |
| BT40-HYS04-75 | 04 | 75 | 28 | 11 | 14.0 | 46 | 110 | 19 |
| BT40-HYS04-90 | 04 | 90 | 37 | 11 | 14.9 | 46 | 125 | 19 |
| BT40-HYS04-135 | 04 | 135 | 84 | 11 | 19.9 | 46 | 170 | 19 |
| BT40-HYS06-90 | 06 | 90 | 38 | 13 | 17.0 | 46 | 53 | 27 |
| BT40-HYS06-135 | 06 | 135 | 84 | 13 | 21.9 | 46 | 92 | 27 |
| BT40-HYS06-150 | 06 | 150 | 99 | 13 | 23.4 | 46 | 107 | 27 |
| BT40-HYS06-165 | 06 | 165 | 114 | 13 | 25.0 | 46 | 122 | 27 |
| BT40-HYS06-180 | 06 | 180 | 130 | 13 | 26.7 | 46 | 137 | 27 |
| BT40-HYS08-90 | 08 | 90 | 38 | 15 | 19.0 | 46 | 53 | 27 |
| BT40-HYS08-135 | 08 | 135 | 84 | 15 | 23.9 | 46 | 92 | 27 |
| BT40-HYS08-150 | 08 | 150 | 99 | 15 | 25.4 | 46 | 107 | 27 |
| BT40-HYS08-165 | 08 | 165 | 114 | 15 | 27.0 | 46 | 122 | 27 |
| BT40-HYS08-180 | 08 | 180 | 130 | 15 | 28.7 | 46 | 137 | 27 |
| BT40-HYS10-105 | 10 | 105 | 53 | 17 | 22.6 | 46 | 68 | 33 |
| BT40-HYS10-135 | 10 | 135 | 84 | 17 | 25.9 | 46 | 92 | 33 |
| BT40-HYS10-150 | 10 | 150 | 99 | 17 | 27.4 | 46 | 107 | 33 |
| BT40-HYS10-165 | 10 | 165 | 114 | 17 | 29.0 | 46 | 122 | 33 |
| BT40-HYS10-180 | 10 | 180 | 130 | 17 | 30.7 | 46 | 137 | 33 |
| BT40-HYS12-135 | 12 | 135 | 84 | 19 | 27.9 | 46 | 92 | 36 |
| BT40-HYS12-150 | 12 | 150 | 99 | 19 | 29.4 | 46 | 107 | 36 |
| BT40-HYS12-165 | 12 | 165 | 114 | 19 | 31.0 | 46 | 122 | 36 |
| BT40-HYS12-180 | 12 | 180 | 130 | 19 | 32.7 | 46 | 137 | 36 |
| BT40-HYS16-135 | 16 | 135 | 84 | 23 | 31.9 | 52.5 | 91 | 40 |
| BT40-HYS16-165 | 16 | 165 | 114 | 23 | 35.0 | 52.5 | 120 | 40 |
| BT40-HYS16-180 | 16 | 180 | 129 | 23 | 36.6 | 52.5 | 135 | 40 |
| BT40-HYS20-135 | 20 | 135 | 84 | 28 | 36.9 | 60 | 91 | 40 |
| BT40-HYS20-165 | 20 | 165 | 114 | 28 | 40 | 60 | 120 | 40 |
| BT40-HYS20-180 | 20 | 180 | 129 | 28 | 41.6 | 60 | 135 | 40 |
| BT40-HYS25-135 | 25 | 135 | 84 | 37 | 45.9 | 60 | 91 | 50 |
| BT40-HYS25-165 | 25 | 165 | 114 | 37 | 49.0 | 60 | 120 | 50 |
| BT40-HYS25-180 | 25 | 180 | 129 | 37 | 50.6 | 60 | 135 | 50 |

# Hydraulic Chuck, Slim
# 液压刀柄 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



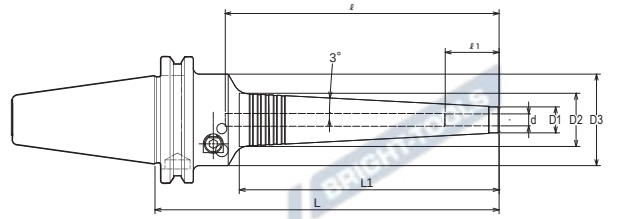



| Size | d | L | L1 | D1 | D2 | D3 | ℓ | ℓ1 |
|---|---|---|---|---|---|---|---|---|
| BT50-HYS06-105 | 06 | 105 | 38 | 13 | 17.0 | 46 | 53 | 27 |
| BT50-HYS06-150 | 06 | 150 | 84 | 13 | 21.9 | 46 | 92 | 27 |
| BT50-HYS06-165 | 06 | 165 | 99 | 13 | 23.4 | 46 | 107 | 27 |
| BT50-HYS06-180 | 06 | 180 | 114 | 13 | 25.0 | 46 | 122 | 27 |
| BT50-HYS06-195 | 06 | 195 | 130 | 13 | 26.7 | 46 | 137 | 27 |
| BT50-HYS08-105 | 08 | 105 | 38 | 15 | 19.0 | 46 | 53 | 27 |
| BT50-HYS08-150 | 08 | 150 | 84 | 15 | 23.9 | 46 | 92 | 27 |
| BT50-HYS08-165 | 08 | 165 | 99 | 15 | 25.4 | 46 | 107 | 27 |
| BT50-HYS08-180 | 08 | 180 | 114 | 15 | 27.0 | 46 | 122 | 27 |
| BT50-HYS08-195 | 08 | 195 | 130 | 15 | 28.7 | 46 | 137 | 27 |
| BT50-HYS10-150 | 10 | 150 | 84 | 17 | 25.9 | 46 | 92 | 33 |
| BT50-HYS10-165 | 10 | 165 | 99 | 17 | 27.4 | 46 | 107 | 33 |
| BT50-HYS10-180 | 10 | 180 | 114 | 17 | 29.0 | 46 | 122 | 33 |
| BT50-HYS10-195 | 10 | 195 | 130 | 17 | 30.7 | 46 | 137 | 33 |
| BT50-HYS12-150 | 12 | 150 | 84 | 19 | 27.9 | 46 | 92 | 36 |
| BT50-HYS12-165 | 12 | 165 | 99 | 19 | 29.4 | 46 | 107 | 36 |
| BT50-HYS12-180 | 12 | 180 | 114 | 19 | 31.0 | 46 | 122 | 36 |
| BT50-HYS12-195 | 12 | 195 | 130 | 19 | 32.7 | 46 | 137 | 36 |
| BT50-HYS16-150 | 16 | 150 | 84 | 23 | 31.9 | 52.5 | 91 | 40 |
| BT50-HYS16-180 | 16 | 180 | 114 | 23 | 35.0 | 52.5 | 120 | 40 |
| BT50-HYS16-195 | 16 | 195 | 129 | 23 | 36.6 | 52.5 | 135 | 40 |
| BT50-HYS20-150 | 20 | 150 | 84 | 28 | 36.9 | 60 | 91 | 40 |
| BT50-HYS20-180 | 20 | 180 | 114 | 28 | 40.0 | 60 | 120 | 40 |
| BT50-HYS20-195 | 20 | 195 | 129 | 28 | 41.6 | 60 | 135 | 40 |
| BT50-HYS25-150 | 25 | 150 | 84 | 37 | 45.9 | 60 | 91 | 50 |
| BT50-HYS25-180 | 25 | 180 | 114 | 37 | 49.0 | 60 | 120 | 50 |
| BT50-HYS25-195 | 25 | 195 | 129 | 37 | 50.6 | 60 | 135 | 50 |

# Hydraulic Chuck, Slim
# 液压刀柄，细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



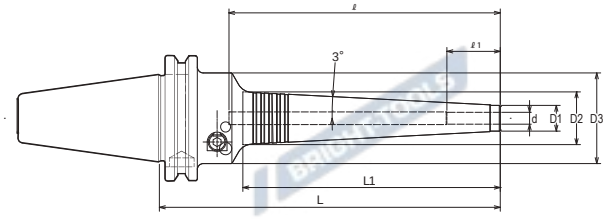



| Size | d | D1 | D2 | D3 | L | L1 | L0 | ℓ1 | ℓ |
|---|---|---|---|---|---|---|---|---|---|
| SK40-HYS03-75 | 03 | 11 | 13.0 | 46 | 75 | 19 | - | 18 | 110 |
| SK40-HYS03-90 | 03 | 11 | 14.2 | 46 | 90 | 30 | - | 18 | 125 |
| SK40-HYS03-135 | 03 | 11 | 18.5 | 46 | 135 | 71 | - | 18 | 170 |
| SK40-HYS04-75 | 04 | 11 | 13.0 | 46 | 75 | 19 | - | 24 | 110 |
| SK40-HYS04-90 | 04 | 11 | 14.2 | 46 | 90 | 30 | - | 24 | 125 |
| SK40-HYS04-135 | 04 | 11 | 18.5 | 46 | 135 | 71 | - | 24 | 170 |
| SK40-HYS06-90 | 06 | 13 | 15.8 | 46 | 90 | 26 | - | 29 | 125 |
| SK40-HYS06-135 | 06 | 13 | 20.5 | 46 | 135 | 71 | - | 29 | 170 |
| SK40-HYS06-150 | 06 | 13 | 22.2 | 46 | 150 | 87 | - | 29 | 185 |
| SK40-HYS06-165 | 06 | 13 | 23.7 | 46 | 165 | 102 | - | 29 | 200 |
| SK40-HYS06-180 | 06 | 13 | 25.4 | 46 | 180 | 118 | - | 29 | 215 |
| SK40-HYS08-90 | 08 | 15 | 17.9 | 46 | 90 | 27 | - | 29 | 125 |
| SK40-HYS08-135 | 08 | 15 | 22.6 | 46 | 135 | 72 | - | 29 | 170 |
| SK40-HYS08-150 | 08 | 15 | 24.2 | 46 | 150 | 87 | - | 29 | 185 |
| SK40-HYS08-165 | 08 | 15 | 25.8 | 46 | 165 | 103 | - | 29 | 200 |
| SK40-HYS08-180 | 08 | 15 | 27.4 | 46 | 180 | 118 | - | 29 | 215 |
| SK40-HYS10-90 | 10 | 17 | 20.4 | 46 | 90 | 32 | - | 40 | 125 |
| SK40-HYS10-135 | 10 | 17 | 24.6 | 46 | 135 | 72 | - | 40 | 170 |
| SK40-HYS10-150 | 10 | 17 | 26.3 | 46 | 150 | 87 | - | 40 | 185 |
| SK40-HYS10-165 | 10 | 17 | 27.8 | 46 | 165 | 103 | - | 40 | 200 |
| SK40-HYS10-180 | 10 | 17 | 29.5 | 46 | 180 | 119 | - | 40 | 215 |
| SK40-HYS12-90 | 12 | 19 | 22.5 | 46 | 90 | 33 | - | 40 | 125 |
| SK40-HYS12-135 | 12 | 19 | 26.7 | 46 | 135 | 73 | - | 40 | 170 |
| SK40-HYS12-150 | 12 | 19 | 28.3 | 46 | 150 | 88 | - | 40 | 185 |
| SK40-HYS12-165 | 12 | 19 | 30.0 | 46 | 165 | 104 | - | 40 | 200 |
| SK40-HYS12-180 | 12 | 19 | 31.5 | 46 | 180 | 119 | - | 40 | 215 |
| SK40-HYS16-135 | 16 | 23 | 30.6 | 525 | 135 | 72 | 35 | 40 | 90 |
| SK40-HYS16-165 | 16 | 23 | 33.8 | 525 | 165 | 103 | 35 | 40 | 120 |
| SK40-HYS16-180 | 16 | 23 | 35.5 | 525 | 180 | 119 | 35 | 40 | 135 |
| SK40-HYS20-150 | 20 | 28 | 34.7 | 62 | 150 | 63 | 35 | 40 | 85 |
| SK40-HYS20-180 | 20 | 28 | 37.8 | 62 | 180 | 93 | 35 | 40 | 115 |
| SK40-HYS20-195 | 20 | 28 | 39.5 | 62 | 195 | 109 | 35 | 40 | 130 |
| SK40-HYS25-150 | 25 | 37 | 43.9 | 62 | 150 | 65 | 35 | 50 | 85 |
| SK40-HYS25-180 | 25 | 37 | 47.1 | 62 | 180 | 96 | 35 | 50 | 115 |
| SK40-HYS25-195 | 25 | 37 | 48.8 | 62 | 195 | 112 | 35 | 50 | 130 |

# Hydraulic Chuck, Slim
# 液压刀柄，细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



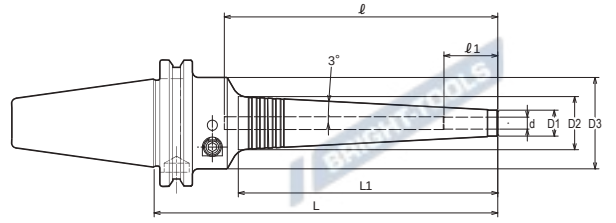



| Size | d | D1 | D2 | D3 | L | L1 | ℓ1 | ℓ |
|---|---|---|---|---|---|---|---|---|
| SK50-HYS06-105 | 06 | 13 | 15.8 | 46 | 105 | 26 | 29 | 161 |
| SK50-HYS06-150 | 06 | 13 | 20.5 | 46 | 150 | 71 | 29 | 206 |
| SK50-HYS06-165 | 06 | 13 | 22.2 | 46 | 165 | 87 | 29 | 221 |
| SK50-HYS06-180 | 06 | 13 | 23.7 | 46 | 180 | 102 | 29 | 236 |
| SK50-HYS06-195 | 06 | 13 | 25.4 | 46 | 195 | 118 | 29 | 251 |
| SK50-HYS08-105 | 08 | 15 | 17.8 | 46 | 105 | 27 | 29 | 160 |
| SK50-HYS08-150 | 08 | 15 | 22.5 | 46 | 150 | 72 | 29 | 205 |
| SK50-HYS08-165 | 08 | 15 | 24.1 | 46 | 165 | 87 | 29 | 220 |
| SK50-HYS08-180 | 08 | 15 | 25.8 | 46 | 180 | 103 | 29 | 235 |
| SK50-HYS08-195 | 08 | 15 | 27.4 | 46 | 195 | 118 | 29 | 250 |
| SK50-HYS10-150 | 10 | 17 | 24.6 | 46 | 150 | 72 | 40 | 205 |
| SK50-HYS10-165 | 10 | 17 | 26.1 | 46 | 165 | 87 | 40 | 220 |
| SK50-HYS10-180 | 10 | 17 | 27.8 | 46 | 180 | 103 | 40 | 235 |
| SK50-HYS10-195 | 10 | 17 | 29.5 | 46 | 195 | 119 | 40 | 250 |
| SK50-HYS12-150 | 12 | 19 | 26.7 | 46 | 150 | 73 | 40 | 205 |
| SK50-HYS12-165 | 12 | 19 | 28.2 | 46 | 165 | 88 | 40 | 220 |
| SK50-HYS12-180 | 12 | 19 | 29.9 | 46 | 180 | 104 | 40 | 235 |
| SK50-HYS12-195 | 12 | 19 | 31.5 | 46 | 195 | 119 | 40 | 250 |
| SK50-HYS16-150 | 16 | 23 | 30.5 | 52.5 | 150 | 72 | 40 | 90 |
| SK50-HYS16-180 | 16 | 23 | 33.8 | 52.5 | 180 | 103 | 40 | 120 |
| SK50-HYS16-195 | 16 | 23 | 34.6 | 52.5 | 195 | 119 | 40 | 135 |
| SK50-HYS20-150 | 20 | 28 | 34.6 | 62 | 150 | 63 | 40 | 85 |
| SK50-HYS20-180 | 20 | 28 | 37.7 | 62 | 180 | 93 | 40 | 115 |
| SK50-HYS20-195 | 20 | 28 | 39.4 | 62 | 195 | 109 | 40 | 130 |
| SK50-HYS25-150 | 25 | 37 | 43.6 | 62 | 150 | 65 | 50 | 85 |
| SK50-HYS25-180 | 25 | 37 | 47.1 | 62 | 180 | 96 | 50 | 115 |
| SK50-HYS25-195 | 25 | 37 | 48.7 | 62 | 195 | 112 | 50 | 130 |

# Hydraulic Chuck, Slim
# 液压刀柄，细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



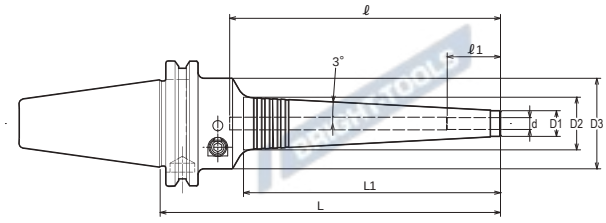



| Size | d | L | L1 | D1 | D2 | D3 | ℓ | ℓ1 |
|---|---|---|---|---|---|---|---|---|
| CAT40-HYS03-75 | 03 | 75 | 28 | 11 | 14 | 46 | 110 | 16 |
| CAT40-HYS03-90 | 03 | 90 | 37 | 11 | 14.9 | 46 | 125 | 16 |
| CAT40-HYS03-135 | 03 | 135 | 84 | 11 | 19.9 | 46 | 170 | 16 |
| CAT40-HYS04-75 | 04 | 75 | 28 | 11 | 14 | 46 | 110 | 19 |
| CAT40-HYS04-90 | 04 | 90 | 37 | 11 | 14.9 | 46 | 125 | 19 |
| CAT40-HYS04-135 | 04 | 135 | 84 | 11 | 19.9 | 46 | 170 | 19 |
| CAT40-HYS06-90 | 06 | 90 | 38 | 13 | 17 | 46 | 53 | 27 |
| CAT40-HYS06-150 | 06 | 150 | 84 | 13 | 21.9 | 46 | 92 | 27 |
| CAT40-HYS06-165 | 06 | 165 | 99 | 13 | 23.4 | 46 | 107 | 27 |
| CAT40-HYS06-180 | 06 | 180 | 114 | 13 | 25 | 46 | 122 | 27 |
| CAT40-HYS06-195 | 06 | 195 | 130 | 13 | 26.7 | 46 | 137 | 27 |
| CAT40-HYS08-90 | 08 | 90 | 38 | 15 | 19 | 46 | 53 | 27 |
| CAT40-HYS08-150 | 08 | 150 | 84 | 15 | 23.9 | 46 | 92 | 27 |
| CAT40-HYS08-165 | 08 | 165 | 99 | 15 | 25.4 | 46 | 107 | 27 |
| CAT40-HYS08-180 | 08 | 180 | 114 | 15 | 27 | 46 | 122 | 27 |
| CAT40-HYS08-195 | 08 | 195 | 130 | 15 | 28.7 | 46 | 137 | 27 |
| CAT40-HYS10-105 | 10 | 105 | 53 | 17 | 22.6 | 46 | 68 | 33 |
| CAT40-HYS10-150 | 10 | 150 | 84 | 17 | 25.9 | 46 | 92 | 33 |
| CAT40-HYS10-165 | 10 | 165 | 99 | 17 | 27.4 | 46 | 107 | 33 |
| CAT40-HYS10-180 | 10 | 180 | 114 | 17 | 29 | 46 | 122 | 33 |
| CAT40-HYS10-195 | 10 | 195 | 130 | 17 | 30.7 | 46 | 137 | 33 |
| CAT40-HYS12-105 | 12 | 105 | 53 | 19 | 24.6 | 46 | 68 | 36 |
| CAT40-HYS12-150 | 12 | 150 | 84 | 19 | 27.9 | 46 | 92 | 36 |
| CAT40-HYS12-165 | 12 | 165 | 99 | 19 | 29.4 | 46 | 107 | 36 |
| CAT40-HYS12-180 | 12 | 180 | 114 | 19 | 31 | 46 | 122 | 36 |
| CAT40-HYS12-195 | 12 | 195 | 130 | 19 | 32.7 | 46 | 137 | 36 |
| CAT40-HYS16-150 | 16 | 150 | 84 | 23 | 31.9 | 52.5 | 91 | 40 |
| CAT40-HYS16-180 | 16 | 180 | 114 | 23 | 35 | 52.5 | 120 | 40 |
| CAT40-HYS16-195 | 16 | 195 | 129 | 23 | 38.6 | 52.5 | 135 | 40 |
| CAT40-HYS20-150 | 20 | 150 | 84 | 28 | 36.9 | 60 | 91 | 40 |
| CAT40-HYS20-180 | 20 | 180 | 114 | 28 | 40 | 60 | 120 | 40 |
| CAT40-HYS20-195 | 20 | 195 | 129 | 28 | 41 | 60 | 135 | 40 |
| CAT40-HYS25-150 | 25 | 150 | 84 | 37 | 45.9 | 60 | 91 | 50 |
| CAT40-HYS25-180 | 25 | 180 | 114 | 37 | 49 | 60 | 120 | 50 |
| CAT40-HYS25-195 | 25 | 195 | 129 | 37 | 50.6 | 60 | 135 | 50 |

# Hydraulic Chuck, Slim
# 液压刀柄 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



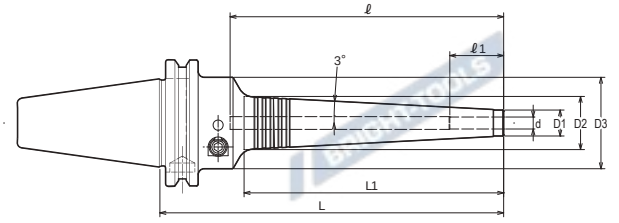



| Size | d | L | L1 | L2 | D1 | D2 | D3 | ℓ | ℓ1 |
|---|---|---|---|---|---|---|---|---|---|
| CAT50-HYS06-150 | 06 | 150 | 84 | 115 | 13 | 21.9 | 46 | 92 | 27 |
| CAT50-HYS06-195 | 06 | 195 | 130 | 160 | 13 | 26.7 | 46 | 137 | 27 |
| CAT50-HYS08-150 | 08 | 150 | 84 | 115 | 15 | 23.9 | 46 | 92 | 27 |
| CAT50-HYS08-195 | 08 | 195 | 130 | 160 | 15 | 28.7 | 46 | 137 | 27 |
| CAT50-HYS10-150 | 10 | 150 | 84 | 115 | 17 | 25.9 | 46 | 92 | 33 |
| CAT50-HYS10-195 | 10 | 195 | 130 | 160 | 17 | 30.7 | 46 | 137 | 33 |
| CAT50-HYS12-150 | 12 | 150 | 84 | 115 | 19 | 27.9 | 46 | 92 | 36 |
| CAT50-HYS12-195 | 12 | 195 | 130 | 160 | 19 | 32.7 | 46 | 137 | 36 |
| CAT50-HYS16-150 | 16 | 150 | 84 | 115 | 23 | 31.9 | 52.5 | 91 | 40 |
| CAT50-HYS16-195 | 16 | 195 | 129 | 160 | 23 | 36.6 | 52.5 | 135 | 40 |
| CAT50-HYS20-150 | 20 | 150 | 84 | 115 | 28 | 36.9 | 60 | 91 | 40 |
| CAT50-HYS20-195 | 20 | 195 | 129 | 160 | 28 | 41.6 | 60 | 135 | 40 |
| CAT50-HYS25-150 | 25 | 150 | 84 | 115 | 37 | 45.9 | 60 | 91 | 50 |
| CAT50-HYS25-195 | 25 | 195 | 129 | 160 | 37 | 50.6 | 60 | 135 | 50 |

# Hydraulic Chuck, Slim
# 液压刀柄 , 细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



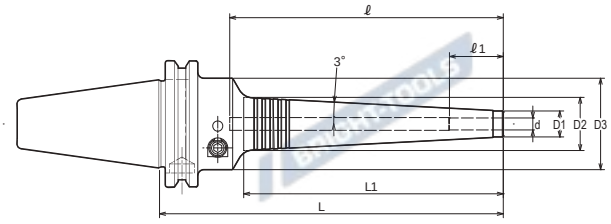



| Size | d | L | L1 | D1 | D2 | D3 | L | ℓ1 |
|---|---|---|---|---|---|---|---|---|
| CAT40-HYS1/8"-90 | 1/8" | 3.543″ | 1.457″ | 0.433″ | 0.5″ | 1.811″ | 4.921″ | 0.63″ |
| CAT40-HYS1/8"-135 | 1/8" | 5.315″ | 3.307″ | 0.433″ | 0.783″ | 1.811″ | 6.692″ | 0.63″ |
| CAT40-HYS1/4"-150 | 1/4" | 5.906″ | 3.307″ | 0.512″ | 0.862″ | 1.811″ | 3.622″ | 1.063″ |
| CAT40-HYS1/4"-165 | 1/4" | 6.496″ | 3.898″ | 0.512″ | 0.921″ | 1.811″ | 4.213″ | 1.063″ |
| CAT40-HYS1/4"-195 | 1/4" | 7.677″ | 5.118″ | 0.512″ | 1.051″ | 1.811″ | 5.394″ | 1.063″ |
| CAT40-HYS5/16″-150 | 5/16″ | 5.906″ | 3.307″ | 0.591″ | 0.941″ | 1.811″ | 3.622″ | 1.063″ |
| CAT40-HYS5/16″-165 | 5/16″ | 6.496″ | 3.898″ | 0.591″ | 1″ | 1.811″ | 4.213″ | 1.063″ |
| CAT40-HYS5/16″-195 | 5/16″ | 7.677″ | 5.118″ | 0.591″ | 1.13″ | 1.811″ | 5.394″ | 1.063″ |
| CAT40-HYS3/8″-150 | 3/8″ | 5.906″ | 3.307″ | 0.669″ | 1.02″ | 1.811″ | 3.622″ | 1.299″ |
| CAT40-HYS3/8″-165 | 3/8″ | 6.496″ | 3.898″ | 0.669″ | 1.079″ | 1.811″ | 4.213″ | 1.299″ |
| CAT40-HYS3/8″-195 | 3/8″ | 7.677″ | 5.118″ | 0.669″ | 1.209″ | 1.811″ | 5.394″ | 1.299″ |
| CAT40-HYS1/2″-150 | 1/2″ | 5.906″ | 3.307″ | 0.787″ | 1.138″ | 1.811″ | 3.622″ | 1.417″ |
| CAT40-HYS1/2″-165 | 1/2″ | 6.496″ | 3.898″ | 0.787″ | 1.197″ | 1.811″ | 4.213″ | 1.417″ |
| CAT40-HYS1/2"-195 | 1/2″ | 7.677″ | 5.118″ | 0.787″ | 1.327″ | 1.811″ | 5.394″ | 1.417″ |
| CAT40-HYS5/8"-150 | 5/8" | 5.906″ | 3.307″ | 0.906″ | 1.256″ | 2.067″ | 3.583″ | 1.575″ |
| CAT40-HYS5/8"-180 | 5/8" | 7.087″ | 4.488″ | 0.906″ | 1.378″ | 2.067″ | 4.724″ | 1.575″ |
| CAT40-HYS5/8"-195 | 5/8" | 7.677″ | 5.079″ | 0.906″ | 1.441″ | 2.067″ | 5.315″ | 1.575″ |
| CAT40-HYS3/4"-150 | 3/4" | 5.906″ | 3.307″ | 1.102″ | 1.453″ | 2.362″ | 3.583″ | 1.575″ |
| CAT40-HYS3/4"-180 | 3/4" | 7.087″ | 4.488″ | 1.102″ | 1.575″ | 2.362″ | 4.724″ | 1.575″ |
| CAT40-HYS3/4"-195 | 3/4" | 7.677″ | 5.079″ | 1.102″ | 1.638″ | 2.362″ | 5.315″ | 1.575″ |
| CAT40-HYS1″-150 | 1″ | 5.906″ | 3.307″ | 1.496″ | 1.846″ | 2.362″ | 3.583″ | 1.969″ |
| CAT40-HYS1″-180 | 1″ | 7.087″ | 4.488″ | 1.496″ | 1.969″ | 2.362″ | 4.724″ | 1.969″ |
| CAT40-HYS1″-195 | 1″ | 7.677″ | 5.079″ | 1.496″ | 2.031″ | 2.362″ | 5.315″ | 1.969″ |

# Hydraulic Chuck, Slim
# 液压刀柄，细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



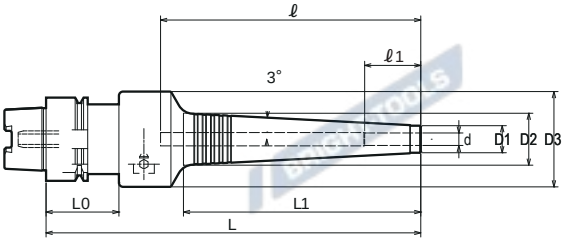



| Size | d | L | L1 | L2 | D1 | D2 | D3 | ℓ | ℓ1 |
|---|---|---|---|---|---|---|---|---|---|
| CAT50-HYS1/4"-150 | 1/4" | 5.906" | 3.307" | 4.528" | 0.512" | 0.862" | 1.811" | 3.622" | 1.063" |
| CAT50-HYS1/4"-180 | 1/4" | 7.087" | 4.488" | 5.709" | 0.512" | 1.051" | 1.811" | 4.803" | 1.063" |
| CAT50-HYS1/4"-195 | 1/4" | 7.677" | 5.118" | 6.299" | 0.512" | 1.051" | 1.811" | 5.394" | 1.063" |
| CAT50-HYS5/16"-150 | 5/16" | 5.906" | 3.307" | 4.528" | 0.591" | 0.941" | 1.811" | 3.622" | 1.063" |
| CAT50-HYS5/16"-180 | 5/16" | 7.087" | 4.488" | 5.709" | 0.591" | 1.13" | 1.811" | 4.803" | 1.063" |
| CAT50-HYS5/16"-195 | 5/16" | 7.677" | 5.118" | 6.299" | 0.591" | 1.13" | 1.811" | 5.394" | 1.063" |
| CAT50-HYS3/8"-150 | 3/8" | 5.906" | 3.307" | 4.528" | 0.669" | 1.02" | 1.811" | 4.803" | 1.299" |
| CAT50-HYS3/8"-180 | 3/8" | 7.087" | 4.488" | 5.709" | 0.669" | 1.209" | 1.811" | 5.394" | 1.299" |
| CAT50-HYS3/8"-195 | 3/8" | 7.677" | 5.118" | 6.299" | 0.669" | 1.209" | 1.811" | 5.394" | 1.299" |
| CAT50-HYS1/2"-150 | 1/2" | 5.906" | 3.307" | 4.528" | 0.787" | 1.138" | 1.811" | 3.622" | 1.417" |
| CAT50-HYS1/2"-180 | 1/2" | 7.087" | 4.488" | 5.709" | 0.787" | 1.26" | 1.811" | 4.803" | 1.417" |
| CAT50-HYS1/2"-195 | 1/2" | 7.677" | 5.118" | 6.299" | 0.787" | 1.327" | 1.811" | 5.394" | 1.417" |
| CAT50-HYS5/8"-150 | 5/8" | 5.906" | 3.307" | 4.528" | 0.906" | 1.256" | 2.067" | 3.583" | 1.575" |
| CAT50-HYS5/8"-180 | 5/8" | 7.087" | 4.488" | 5.709" | 0.906" | 1.441" | 2.067" | 4.724" | 1.575" |
| CAT50-HYS5/8"-195 | 5/8" | 7.677" | 5.079" | 6.299" | 0.906" | 1.441" | 2.067" | 5.315" | 1.575" |
| CAT50-HYS3/4"-150 | 3/4" | 5.906" | 3.307" | 4.528" | 1.102" | 1.453" | 2.362" | 3.583" | 1.575" |
| CAT50-HYS3/4"-180 | 3/4" | 7.087" | 4.488" | 5.709" | 1.102" | 1.638" | 2.362" | 4.724" | 1.575" |
| CAT50-HYS3/4"-195 | 3/4" | 7.677" | 5.079" | 6.299" | 1.102" | 1.638" | 2.362" | 5.315" | 1.575" |
| CAT50-HYS1"-150 | 1" | 5.906" | 3.307" | 4.528" | 1.496" | 1.846" | 2.362" | 3.583" | 1.969" |
| CAT50-HYS1"-180 | 1" | 7.087" | 4.488" | 5.709" | 1.496" | 1.969" | 2.362" | 4.724" | 1.969" |
| CAT50-HYS1"-195 | 1" | 7.677" | 5.079" | 6.299" | 1.496" | 2.031" | 2.362" | 5.315" | 1.969" |

# Hydraulic Chuck, Slim
# 液压刀柄，细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



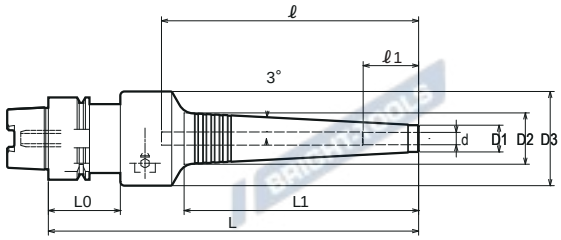



| Size | d | L | L1 | D1 | D2 | D3 | L0 | ℓ1 | ℓ2 |
|---|---|---|---|---|---|---|---|---|---|
| HSK40A-HYS03-90 | 03 | 90 | 28 | 11 | 14.0 | 46 | 35 | 74 | 16 |
| HSK40A-HYS03-100 | 03 | 100 | 37 | 11 | 14.9 | 46 | 35 | 84 | 16 |
| HSK40A-HYS03-145 | 03 | 145 | 84 | 11 | 19.9 | 46 | 35 | 129 | 16 |
| HSK40A-HYS04-90 | 04 | 90 | 28 | 11 | 14.0 | 46 | 35 | 74 | 19 |
| HSK40A-HYS04-100 | 04 | 100 | 37 | 11 | 14.9 | 46 | 35 | 84 | 19 |
| HSK40A-HYS04-145 | 04 | 145 | 84 | 11 | 19.9 | 46 | 35 | 129 | 19 |
| HSK40A-HYS06-105 | 06 | 105 | 38 | 13 | 17.0 | 46 | 35 | 55 | 27 |
| HSK40A-HYS06-150 | 06 | 150 | 84 | 13 | 21.9 | 46 | 35 | 97 | 27 |
| HSK40A-HYS06-165 | 06 | 165 | 99 | 13 | 23.4 | 46 | 35 | 112 | 27 |
| HSK40A-HYS06-180 | 06 | 180 | 114 | 13 | 25.0 | 46 | 35 | 127 | 27 |
| HSK40A-HYS08-105 | 08 | 105 | 38 | 15 | 19.0 | 46 | 35 | 55 | 27 |
| HSK40A-HYS08-150 | 08 | 150 | 84 | 15 | 23.9 | 46 | 35 | 97 | 27 |
| HSK40A-HYS08-165 | 08 | 165 | 99 | 15 | 25.4 | 46 | 35 | 112 | 27 |
| HSK40A-HYS08-180 | 08 | 180 | 114 | 15 | 27.0 | 46 | 35 | 127 | 27 |
| HSK40A-HYS10-120 | 10 | 120 | 53 | 17 | 22.6 | 46 | 35 | 69 | 33 |
| HSK40A-HYS10-150 | 10 | 150 | 84 | 17 | 25.9 | 46 | 35 | 97 | 33 |
| HSK40A-HYS10-165 | 10 | 165 | 99 | 17 | 27.4 | 46 | 35 | 112 | 33 |
| HSK40A-HYS10-180 | 10 | 180 | 114 | 17 | 29.0 | 46 | 35 | 127 | 33 |
| HSK40A-HYS12-120 | 12 | 120 | 53 | 19 | 24.6 | 46 | 35 | 69 | 36 |
| HSK40A-HYS12-150 | 12 | 150 | 84 | 19 | 27.9 | 46 | 35 | 97 | 36 |
| HSK40A-HYS12-165 | 12 | 165 | 99 | 19 | 29.4 | 46 | 35 | 112 | 36 |
| HSK40A-HYS12-180 | 12 | 180 | 114 | 19 | 31.0 | 46 | 35 | 127 | 36 |

# Hydraulic Chuck, Slim
# 液压刀柄，细长型

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





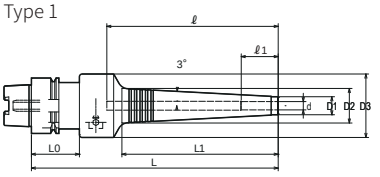

| Size | d | L | L1 | D1 | D2 | D3 | L0 | ℓ1 | ℓ2 |
|---|---|---|---|---|---|---|---|---|---|
| HSK50A-HYS03-95 | 03 | 95 | 28 | 11 | 14.0 | 46 | 42 | 75 | 16 |
| HSK50A-HYS03-105 | 03 | 105 | 37 | 11 | 14.9 | 46 | 42 | 85 | 16 |
| HSK50A-HYS03-150 | 03 | 150 | 84 | 11 | 19.9 | 46 | 42 | 130 | 16 |
| HSK50A-HYS04-95 | 04 | 95 | 28 | 11 | 14.0 | 46 | 42 | 75 | 19 |
| HSK50A-HYS04-105 | 04 | 105 | 37 | 11 | 14.9 | 46 | 42 | 85 | 19 |
| HSK50A-HYS04-150 | 04 | 150 | 84 | 11 | 19.9 | 46 | 42 | 130 | 19 |
| HSK50A-HYS06-105 | 06 | 105 | 38 | 13 | 17.0 | 46 | 42 | 53 | 27 |
| HSK50A-HYS06-150 | 06 | 150 | 84 | 13 | 21.9 | 46 | 42 | 95 | 27 |
| HSK50A-HYS06-165 | 06 | 165 | 99 | 13 | 23.4 | 46 | 42 | 110 | 27 |
| HSK50A-HYS06-180 | 06 | 180 | 114 | 13 | 25.0 | 46 | 42 | 125 | 27 |
| HSK50A-HYS08-105 | 08 | 105 | 38 | 15 | 19.0 | 46 | 42 | 53 | 27 |
| HSK50A-HYS08-150 | 08 | 150 | 84 | 15 | 23.9 | 46 | 42 | 95 | 27 |
| HSK50A-HYS08-165 | 08 | 165 | 99 | 15 | 25.4 | 46 | 42 | 110 | 27 |
| HSK50A-HYS08-180 | 08 | 180 | 114 | 15 | 27.0 | 46 | 42 | 125 | 27 |
| HSK50A-HYS10-120 | 10 | 120 | 53 | 17 | 22.6 | 46 | 42 | 67 | 33 |
| HSK50A-HYS10-150 | 10 | 150 | 84 | 17 | 25.9 | 46 | 42 | 95 | 33 |
| HSK50A-HYS10-165 | 10 | 165 | 99 | 17 | 27.4 | 46 | 42 | 110 | 33 |
| HSK50A-HYS10-180 | 10 | 180 | 114 | 17 | 29.0 | 46 | 42 | 125 | 33 |
| HSK50A-HYS12-120 | 12 | 120 | 53 | 19 | 24.6 | 46 | 42 | 67 | 36 |
| HSK50A-HYS12-150 | 12 | 150 | 84 | 19 | 27.9 | 46 | 42 | 95 | 36 |
| HSK50A-HYS12-165 | 12 | 165 | 99 | 19 | 29.4 | 46 | 42 | 110 | 36 |
| HSK50A-HYS12-180 | 12 | 180 | 114 | 19 | 31.0 | 46 | 42 | 125 | 36 |

# Hydraulic Chuck, Slim
# 液压刀柄，细长型

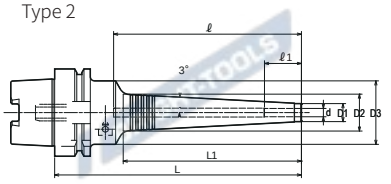
| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



Type 1



Type 2



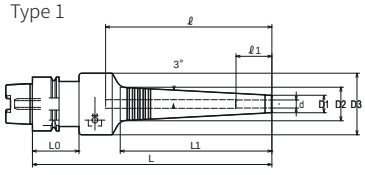
| Size | Type | d | L | L1 | D1 | D2 | D3 | L0 | ℓ | ℓ1 |
|---|---|---|---|---|---|---|---|---|---|---|
| HSK63A-HYS03-80 | 2 | 03 | 80 | 28 | 11 | 14.0 | 46 | - | 58 | 16 |
| HSK63A-HYS03-90 | 2 | 03 | 90 | 37 | 11 | 14.9 | 46 | - | 68 | 16 |
| HSK63A-HYS03-135 | 2 | 03 | 135 | 84 | 11 | 19.9 | 46 | - | 113 | 16 |
| HSK63A-HYS04-80 | 2 | 04 | 80 | 28 | 11 | 14.0 | 46 | - | 58 | 19 |
| HSK63A-HYS04-90 | 2 | 04 | 90 | 37 | 11 | 14.9 | 46 | - | 68 | 19 |
| HSK63A-HYS04-135 | 2 | 04 | 135 | 84 | 11 | 19.9 | 46 | - | 113 | 19 |
| HSK63A-HYS06-90 | 2 | 06 | 90 | 38 | 13 | 17.0 | 46 | - | 53 | 27 |
| HSK63A-HYS06-135 | 2 | 06 | 135 | 84 | 13 | 21.9 | 46 | - | 92 | 27 |
| HSK63A-HYS06-150 | 2 | 06 | 150 | 99 | 13 | 23.4 | 46 | - | 107 | 27 |
| HSK63A-HYS06-165 | 2 | 06 | 165 | 114 | 13 | 25.0 | 46 | - | 122 | 27 |
| HSK63A-HYS06-180 | 2 | 06 | 180 | 130 | 13 | 26.7 | 46 | - | 137 | 27 |
| HSK63A-HYS08-90 | 2 | 08 | 90 | 38 | 15 | 19.0 | 46 | - | 53 | 27 |
| HSK63A-HYS08-135 | 2 | 08 | 135 | 84 | 15 | 23.9 | 46 | - | 92 | 27 |
| HSK63A-HYS08-150 | 2 | 08 | 150 | 99 | 15 | 25.4 | 46 | - | 107 | 27 |
| HSK63A-HYS08-165 | 2 | 08 | 165 | 114 | 15 | 27.0 | 46 | - | 122 | 27 |
| HSK63A-HYS08-180 | 2 | 08 | 180 | 130 | 15 | 28.7 | 46 | - | 137 | 27 |
| HSK63A-HYS10-105 | 2 | 10 | 105 | 53 | 17 | 22.6 | 46 | - | 67 | 33 |
| HSK63A-HYS10-135 | 2 | 10 | 135 | 84 | 17 | 25.9 | 46 | - | 92 | 33 |
| HSK63A-HYS10-150 | 2 | 10 | 150 | 99 | 17 | 27.4 | 46 | - | 107 | 33 |
| HSK63A-HYS10-165 | 2 | 10 | 165 | 114 | 17 | 29.0 | 46 | - | 122 | 33 |
| HSK63A-HYS10-180 | 2 | 10 | 180 | 130 | 17 | 30.7 | 46 | - | 137 | 33 |
| HSK63A-HYS12-105 | 2 | 12 | 105 | 53 | 19 | 24.6 | 46 | - | 67 | 36 |
| HSK63A-HYS12-135 | 2 | 12 | 135 | 84 | 19 | 27.9 | 46 | - | 92 | 36 |
| HSK63A-HYS12-150 | 2 | 12 | 150 | 99 | 19 | 29.4 | 46 | - | 107 | 36 |
| HSK63A-HYS12-165 | 2 | 12 | 165 | 114 | 19 | 31.0 | 46 | - | 122 | 36 |
| HSK63A-HYS12-180 | 2 | 12 | 180 | 130 | 19 | 32.7 | 46 | - | 137 | 36 |
| HSK63A-HYS16-135 | 2 | 16 | 135 | 84 | 23 | 31.9 | 52.5 | - | 91 | 40 |
| HSK63A-HYS16-165 | 2 | 16 | 165 | 114 | 23 | 35.0 | 52.5 | - | 120 | 40 |
| HSK63A-HYS16-180 | 2 | 16 | 180 | 129 | 23 | 36.6 | 52.5 | - | 135 | 40 |
| HSK63A-HYS20-150 | 1 | 20 | 150 | 84 | 28 | 36.9 | 60 | 42 | 91 | 40 |
| HSK63A-HYS20-180 | 1 | 20 | 180 | 114 | 28 | 40.0 | 60 | 42 | 120 | 40 |
| HSK63A-HYS20-195 | 1 | 20 | 195 | 129 | 28 | 41.6 | 60 | 42 | 135 | 40 |
| HSK63A-HYS25-150 | 1 | 25 | 150 | 84 | 37 | 45.9 | 60 | 42 | 91 | 50 |
| HSK63A-HYS25-180 | 1 | 25 | 180 | 114 | 37 | 49.0 | 60 | 42 | 120 | 50 |
| HSK63A-HYS25-195 | 1 | 25 | 195 | 129 | 37 | 50.6 | 60 | 42 | 135 | 50 |

# Hydraulic Chuck, Slim
# 液压刀柄 , 细长型

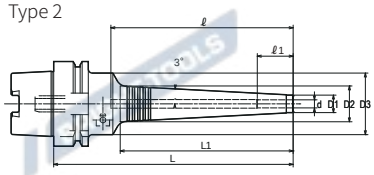
| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



Type 1



Type 2



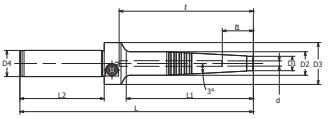
| Size | Type | d | L | L1 | D1 | D2 | D3 | L0 | ℓ | ℓ1 |
|---|---|---|---|---|---|---|---|---|---|---|
| HSK100A-HYS06-105 | 2 | 06 | 105 | 38 | 13 | 17.0 | 46 | - | 53 | 27 |
| HSK100A-HYS06-150 | 2 | 06 | 150 | 84 | 13 | 21.9 | 46 | - | 92 | 27 |
| HSK100A-HYS06-165 | 2 | 06 | 165 | 99 | 13 | 23.4 | 46 | - | 107 | 27 |
| HSK100A-HYS06-180 | 2 | 06 | 180 | 114 | 13 | 25.0 | 46 | - | 122 | 27 |
| HSK100A-HYS06-195 | 2 | 06 | 195 | 130 | 13 | 26.7 | 46 | - | 137 | 27 |
| HSK100A-HYS08-105 | 2 | 08 | 105 | 38 | 15 | 19.0 | 46 | - | 53 | 27 |
| HSK100A-HYS08-150 | 2 | 08 | 150 | 84 | 15 | 23.9 | 46 | - | 92 | 27 |
| HSK100A-HYS08-165 | 2 | 08 | 165 | 99 | 15 | 25.4 | 46 | - | 107 | 27 |
| HSK100A-HYS08-180 | 2 | 08 | 180 | 114 | 15 | 27.0 | 46 | - | 122 | 27 |
| HSK100A-HYS08-195 | 2 | 08 | 195 | 130 | 15 | 28.7 | 46 | - | 137 | 27 |
| HSK100A-HYS10-150 | 2 | 10 | 150 | 84 | 17 | 25.9 | 46 | - | 92 | 33 |
| HSK100A-HYS10-165 | 2 | 10 | 165 | 99 | 17 | 27.4 | 46 | - | 107 | 33 |
| HSK100A-HYS10-180 | 2 | 10 | 180 | 114 | 17 | 29.0 | 46 | - | 122 | 33 |
| HSK100A-HYS10-195 | 2 | 10 | 195 | 130 | 17 | 30.7 | 46 | - | 137 | 33 |
| HSK100A-HYS12-150 | 2 | 12 | 150 | 84 | 19 | 27.9 | 46 | - | 92 | 36 |
| HSK100A-HYS12-165 | 2 | 12 | 165 | 99 | 19 | 29.4 | 46 | - | 107 | 36 |
| HSK100A-HYS12-180 | 2 | 12 | 180 | 114 | 19 | 31.0 | 46 | - | 122 | 36 |
| HSK100A-HYS12-195 | 2 | 12 | 195 | 130 | 19 | 32.7 | 46 | - | 137 | 36 |
| HSK100A-HYS16-150 | 2 | 16 | 150 | 84 | 23 | 31.9 | 52.5 | - | 91 | 40 |
| HSK100A-HYS16-180 | 2 | 16 | 180 | 114 | 23 | 35.0 | 52.5 | - | 120 | 40 |
| HSK100A-HYS16-195 | 2 | 16 | 195 | 129 | 23 | 36.6 | 52.5 | - | 135 | 40 |
| HSK100A-HYS20-150 | 2 | 20 | 150 | 84 | 28 | 36.9 | 60 | - | 91 | 40 |
| HSK100A-HYS20-180 | 2 | 20 | 180 | 114 | 28 | 40.0 | 60 | - | 120 | 40 |
| HSK100A-HYS20-195 | 2 | 20 | 195 | 129 | 28 | 41.6 | 60 | - | 135 | 40 |
| HSK100A-HYS25-150 | 2 | 25 | 150 | 84 | 37 | 45.9 | 60 | - | 91 | 50 |
| HSK100A-HYS25-180 | 2 | 25 | 180 | 114 | 37 | 49.0 | 60 | - | 120 | 50 |
| HSK100A-HYS25-195 | 2 | 25 | 195 | 129 | 37 | 50.6 | 60 | - | 135 | 50 |

# Hydraulic Chuck, Slim
# 直柄液压刀柄，细长型

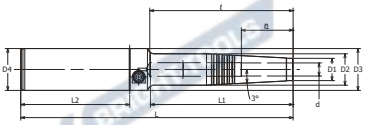
A ↗
≤0.003



Type 1



Type 2

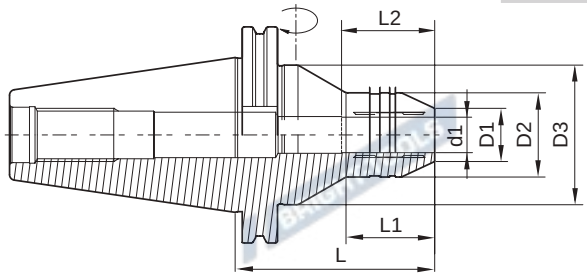


| Size | Type | d | L | L1 | L2 | D1 | D2 | D3 | D4 | ℓ | ℓ1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C20-HYS03-180 | 1 | 03 | 180 | 98 | 65 | 11 | 18 | 32 | 20 | 103 | 16 |
| C20-HYS04-180 | 1 | 04 | 180 | 98 | 65 | 11 | 18 | 32 | 20 | 103 | 19 |
| C20-HYS06-180 | 1 | 06 | 180 | 99 | 65 | 13 | 20 | 32 | 20 | 103 | 27 |
| C20-HYS08-180 | 1 | 08 | 180 | 99 | 65 | 15 | 22 | 32 | 20 | 101 | 27 |
| C20-HYS10-180 | 1 | 10 | 180 | 100 | 65 | 17 | 24 | 32 | 20 | 101 | 33 |
| C20-HYS12-180 | 1 | 12 | 180 | 100 | 65 | 19 | 26 | 32 | 20 | 101 | 36 |
| C32-HYS06-210 | 2 | 06 | 210 | 109 | 84 | 13 | 20 | 32 | 32 | 113 | 27 |
| C32-HYS08-210 | 2 | 08 | 210 | 109 | 84 | 15 | 22 | 32 | 32 | 111 | 27 |
| C32-HYS10-210 | 2 | 10 | 210 | 110 | 84 | 17 | 24 | 32 | 32 | 111 | 33 |
| C32-HYS12-210 | 2 | 12 | 210 | 110 | 84 | 19 | 26 | 32 | 32 | 111 | 36 |

## Hydraulic Chuck, for Grind
## 液压刀柄，研磨机专用



A ↗ ≤0.003

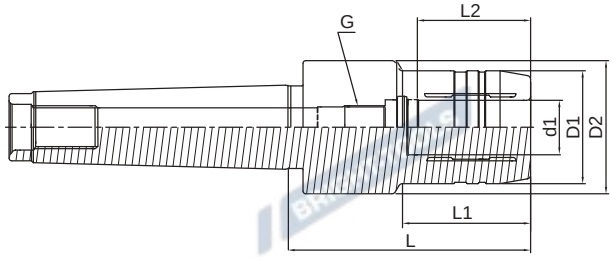



| Size | d1 | D1 | D2 | D3 | L | L1 | L2 |
|---|---|---|---|---|---|---|---|
| SK50-HYG06-110 | 06 | 15 | 32 | 60 | 110 | 55 | 43 |
| SK50-HYG08-110 | 08 | 17 | 33.5 | 60 | 110 | 55 | 43 |
| SK50-HYG10-110 | 10 | 19 | 35 | 60 | 110 | 55 | 43 |
| SK50-HYG12-110 | 12 | 21.5 | 36.5 | 60 | 110 | 55 | 50 |
| SK50-HYG14-110 | 14 | 23.5 | 38 | 60 | 110 | 60 | 50 |
| SK50-HYG16-110 | 16 | 25.5 | 39.5 | 60 | 110 | 60 | 53 |
| SK50-HYG18-110 | 18 | 27.5 | 41 | 60 | 110 | 60 | 53 |
| SK50-HYG20-110 | 20 | 28 | 42 | 70 | 110 | 47 | 95 |
| SK50-HYG25-110 | 25 | 30 | 44 | 70 | 110 | 49 | 95 |
| SK50-HYG32-110 | 32 | 40 | 54 | 70 | 110 | 62.5 | 95 |

## MTB Hydraulic Chuck
## 莫氏液压刀柄



A ↗ ≤0.003



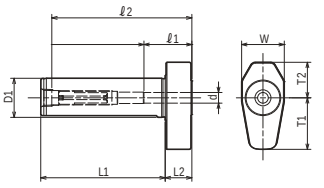

| Size | d1 | D1 | D2 | L | L1 | L2 | G |
|---|---|---|---|---|---|---|---|
| MTB4-HY20-90 | 20 | 42 | 49.5 | 90 | 47.5 | 52 | M16×1 |
| MTB4-HY32-90 | 32 | 72 | 72 | 90 | - | 62 | - |
| | | | | | | | |
| MTB5-HY20-90 | 20 | 42 | 49.5 | 90 | 47.5 | 52 | M16×1 |
| MTB5-HY32-90 | 32 | 72 | 72 | 90 | - | 62 | - |

# Hydraulic Chuck for CNC Automatic Lathe
## 液压刀柄 , 走心机专用

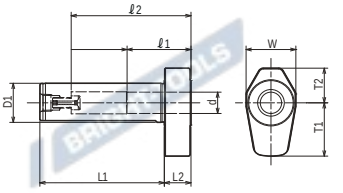
A ↗ ≤0.003



Type 1




Type 2

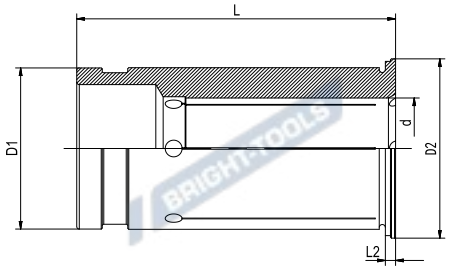



| Size | Type | d | D1 | L1 | L2 | W | T1 | T2 | ℓ1 | ℓ2 |
|---|---|---|---|---|---|---|---|---|---|---|
| ST16L-HY03-50 | 1 | 03 | 16 | 50 | 15 | 22 | 23 | 17.5 | 16 | 58 |
| ST16L-HY04-50 | 1 | 04 | 16 | 50 | 15 | 22 | 23 | 17.5 | 19 | 58 |
| ST16L-HY06-50 | 1 | 06 | 16 | 50 | 15 | 22 | 24.5 | 18.5 | 27 | 58 |
| ST16L-HY08-50 | 2 | 08 | 16 | 50 | 15 | 24 | 25.5 | 19.5 | 27 | 47 |
| ST20L-HY03-70 | 1 | 03 | 20 | 70 | 15 | 22 | 23 | 17.5 | 16 | 78 |
| ST20L-HY04-70 | 1 | 04 | 20 | 70 | 15 | 22 | 23 | 17.5 | 19 | 78 |
| ST20L-HY06-70 | 1 | 06 | 20 | 70 | 15 | 22 | 24.5 | 18.5 | 27 | 78 |
| ST20L-HY08-70 | 2 | 08 | 20 | 70 | 15 | 24 | 25.5 | 19.5 | 27 | 64 |
| ST20L-HY10-70 | 2 | 10 | 20 | 70 | 15 | 26 | 26.5 | 20.5 | 33 | 67 |
| ST22L-HY03-70 | 1 | 03 | 22 | 70 | 15 | 24 | 23 | 17.5 | 16 | 78 |
| ST22L-HY04-70 | 1 | 04 | 22 | 70 | 15 | 24 | 23 | 17.5 | 19 | 78 |
| ST22L-HY06-70 | 1 | 06 | 22 | 70 | 15 | 24 | 24.5 | 18.5 | 27 | 78 |
| ST22L-HY08-70 | 2 | 08 | 22 | 70 | 15 | 24 | 25.5 | 19.5 | 27 | 64 |
| ST22L-HY10-70 | 2 | 10 | 22 | 70 | 15 | 26 | 26.5 | 20.5 | 33 | 67 |
| ST22L-HY12-70 | 2 | 12 | 22 | 70 | 15 | 28 | 29 | 21.5 | 36 | 67 |
| ST25L-HY03-70 | 1 | 03 | 25 | 70 | 15 | 28 | 23 | 17.5 | 16 | 78 |
| ST25L-HY04-70 | 1 | 04 | 25 | 70 | 15 | 28 | 23 | 17.5 | 19 | 78 |
| ST25L-HY06-70 | 1 | 06 | 25 | 70 | 15 | 28 | 24.5 | 18.5 | 27 | 78 |
| ST25L-HY08-70 | 2 | 08 | 25 | 70 | 15 | 28 | 25.5 | 19.5 | 27 | 64 |
| ST25L-HY10-70 | 2 | 10 | 25 | 70 | 15 | 28 | 26.5 | 20.5 | 33 | 67 |
| ST25L-HY12-70 | 2 | 12 | 25 | 70 | 15 | 28 | 29 | 21.5 | 36 | 67 |
| | | | | | | | | | | |
| ST3/4"L-HY03-60 | 1 | 03 | 3/4" | 60 | 15 | 22 | 23 | 17.5 | 16 | 68 |
| ST3/4"L-HY04-60 | 1 | 04 | 3/4" | 60 | 15 | 22 | 23 | 17.5 | 19 | 68 |
| ST3/4"L-HY06-60 | 1 | 06 | 3/4" | 60 | 15 | 22 | 24.5 | 18.5 | 27 | 68 |
| ST3/4"L-HY08-60 | 2 | 08 | 3/4" | 60 | 15 | 24 | 25.5 | 19.5 | 27 | 57 |
| ST3/4"L-HY10-60 | 2 | 10 | 3/4" | 60 | 15 | 26 | 26.5 | 20.5 | 33 | 60 |
| ST1"L-HY03-70 | 1 | 03 | 1" | 70 | 15 | 28 | 23 | 17.5 | 16 | 78 |
| ST1"L-HY04-70 | 1 | 04 | 1" | 70 | 15 | 28 | 23 | 17.5 | 19 | 78 |
| ST1"L-HY06-70 | 1 | 06 | 1" | 70 | 15 | 28 | 24.5 | 18.5 | 27 | 78 |
| ST1"L-HY08-70 | 2 | 08 | 1" | 70 | 15 | 28 | 25.5 | 19.5 | 27 | 64 |
| ST1"L-HY10-70 | 2 | 10 | 1" | 70 | 15 | 28 | 26.5 | 20.5 | 33 | 67 |
| ST1"L-HY12-70 | 2 | 12 | 1" | 70 | 15 | 28 | 29 | 21.5 | 36 | 67 |

# Hydraulic Collet, Sealed
# 液压筒夹 , 止水型

A ↗
≤0.003



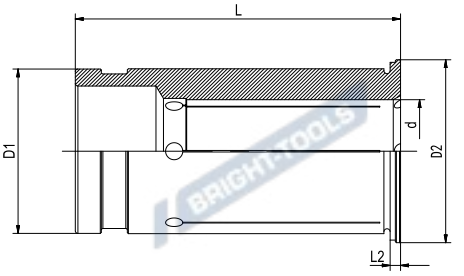



| Size | d | D1 | D2 | L | L2 |
|---|---|---|---|---|---|
| HY12S-03 | 03 | 12 | 16.5 | 47 | 2 |
| HY12S-04 | 04 | 12 | 16.5 | 47 | 2 |
| HY12S-05 | 05 | 12 | 16.5 | 47 | 2 |
| HY12S-06 | 06 | 12 | 16.5 | 47 | 2 |
| HY12S-07 | 07 | 12 | 16.5 | 47 | 2 |
| HY12S-08 | 08 | 12 | 16.5 | 47 | 2 |
| | | | | | |
| HY20S-03 | 03 | 20 | 24 | 52.5 | 2 |
| HY20S-04 | 04 | 20 | 24 | 52.5 | 2 |
| HY20S-05 | 05 | 20 | 24 | 52.5 | 2 |
| HY20S-06 | 06 | 20 | 24 | 52.5 | 2 |
| HY20S-07 | 07 | 20 | 24 | 52.5 | 2 |
| HY20S-08 | 08 | 20 | 24 | 52.5 | 2 |
| HY20S-09 | 09 | 20 | 24 | 52.5 | 2 |
| HY20S-10 | 10 | 20 | 24 | 52.5 | 2 |
| HY20S-11 | 11 | 20 | 24 | 52.5 | 2 |
| HY20S-12 | 12 | 20 | 24 | 52.5 | 2 |
| HY20S-13 | 13 | 20 | 24 | 52.5 | 2 |
| HY20S-14 | 14 | 20 | 24 | 52.5 | 2 |
| HY20S-15 | 15 | 20 | 24 | 52.5 | 2 |
| HY20S-16 | 16 | 20 | 24 | 52.5 | 2 |

# Hydraulic Collet, Sealed
## 液压筒夹 , 止水型

A ↗ ≤0.003



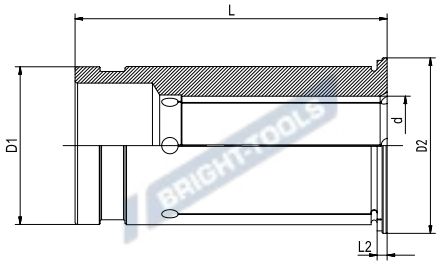



| Size | d | D1 | D2 | L | L2 |
|---|---|---|---|---|---|
| HY32S-06 | 06 | 32 | 35.5 | 62.5 | 2 |
| HY32S-07 | 07 | 32 | 35.5 | 62.5 | 2 |
| HY32S-08 | 08 | 32 | 35.5 | 62.5 | 2 |
| HY32S-09 | 09 | 32 | 35.5 | 62.5 | 2 |
| HY32S-10 | 10 | 32 | 35.5 | 62.5 | 2 |
| HY32S-11 | 11 | 32 | 35.5 | 62.5 | 2 |
| HY32S-12 | 12 | 32 | 35.5 | 62.5 | 2 |
| HY32S-13 | 13 | 32 | 35.5 | 62.5 | 2 |
| HY32S-14 | 14 | 32 | 35.5 | 62.5 | 2 |
| HY32S-15 | 15 | 32 | 35.5 | 62.5 | 2 |
| HY32S-16 | 16 | 32 | 35.5 | 62.5 | 2 |
| HY32S-17 | 17 | 32 | 35.5 | 62.5 | 2 |
| HY32S-18 | 18 | 32 | 35.5 | 62.5 | 2 |
| HY32S-19 | 19 | 32 | 35.5 | 62.5 | 2 |
| HY32S-20 | 20 | 32 | 35.5 | 62.5 | 2 |
| HY32S-21 | 21 | 32 | 35.5 | 62.5 | 2 |
| HY32S-22 | 22 | 32 | 35.5 | 62.5 | 2 |
| HY32S-23 | 23 | 32 | 35.5 | 62.5 | 2 |
| HY32S-24 | 24 | 32 | 35.5 | 62.5 | 2 |
| HY32S-25 | 25 | 32 | 35.5 | 62.5 | 2 |

# Hydraulic Collet with Coolant Channels
## 液压筒夹，端面出水型

A ↗ ≤0.003



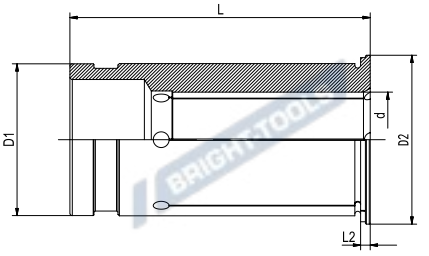



| Size | d | D1 | D2 | L | L2 |
|---|---|---|---|---|---|
| HY12S-03K | 03 | 12 | 16.5 | 47 | 2 |
| HY12S-04K | 04 | 12 | 16.5 | 47 | 2 |
| HY12S-05K | 05 | 12 | 16.5 | 47 | 2 |
| HY12S-06K | 06 | 12 | 16.5 | 47 | 2 |
| HY12S-07K | 07 | 12 | 16.5 | 47 | 2 |
| HY12S-08K | 08 | 12 | 16.5 | 47 | 2 |
| | | | | | |
| HY20S-03K | 03 | 20 | 24 | 52.5 | 2 |
| HY20S-04K | 04 | 20 | 24 | 52.5 | 2 |
| HY20S-05K | 05 | 20 | 24 | 52.5 | 2 |
| HY20S-06K | 06 | 20 | 24 | 52.5 | 2 |
| HY20S-07K | 07 | 20 | 24 | 52.5 | 2 |
| HY20S-08K | 08 | 20 | 24 | 52.5 | 2 |
| HY20S-09K | 09 | 20 | 24 | 52.5 | 2 |
| HY20S-10K | 10 | 20 | 24 | 52.5 | 2 |
| HY20S-11K | 11 | 20 | 24 | 52.5 | 2 |
| HY20S-12K | 12 | 20 | 24 | 52.5 | 2 |
| HY20S-13K | 13 | 20 | 24 | 52.5 | 2 |
| HY20S-14K | 14 | 20 | 24 | 52.5 | 2 |
| HY20S-15K | 15 | 20 | 24 | 52.5 | 2 |
| HY20S-16K | 16 | 20 | 24 | 52.5 | 2 |

# Hydraulic Collet with Coolant Channels
## 液压筒夹，端面出水型

A ↗ ≤0.003

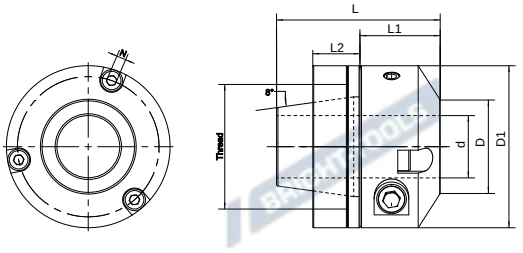





| Size | d | D1 | D2 | L | L2 |
|---|---|---|---|---|---|
| HY32S-06K | 06 | 32 | 35.5 | 62.5 | 2 |
| HY32S-07K | 07 | 32 | 35.5 | 62.5 | 2 |
| HY32S-08K | 08 | 32 | 35.5 | 62.5 | 2 |
| HY32S-09K | 09 | 32 | 35.5 | 62.5 | 2 |
| HY32S-10K | 10 | 32 | 35.5 | 62.5 | 2 |
| HY32S-11K | 11 | 32 | 35.5 | 62.5 | 2 |
| HY32S-12K | 12 | 32 | 35.5 | 62.5 | 2 |
| HY32S-13K | 13 | 32 | 35.5 | 62.5 | 2 |
| HY32S-14K | 14 | 32 | 35.5 | 62.5 | 2 |
| HY32S-15K | 15 | 32 | 35.5 | 62.5 | 2 |
| HY32S-16K | 16 | 32 | 35.5 | 62.5 | 2 |
| HY32S-17K | 17 | 32 | 35.5 | 62.5 | 2 |
| HY32S-18K | 18 | 32 | 35.5 | 62.5 | 2 |
| HY32S-19K | 19 | 32 | 35.5 | 62.5 | 2 |
| HY32S-20K | 20 | 32 | 35.5 | 62.5 | 2 |
| HY32S-21K | 21 | 32 | 35.5 | 62.5 | 2 |
| HY32S-22K | 22 | 32 | 35.5 | 62.5 | 2 |
| HY32S-23K | 23 | 32 | 35.5 | 62.5 | 2 |
| HY32S-24K | 24 | 32 | 35.5 | 62.5 | 2 |
| HY32S-25K | 25 | 32 | 35.5 | 62.5 | 2 |

# Hydraulic ER Collet
## 液压 ER 筒夹






Metric

| Size | d | D | D1 | L | L1 | L2 | N | Dim. | Thread | T* (Nm) |
|---|---|---|---|---|---|---|---|---|---|---|
| HYER16-06 | 06 | 16 | 34 | 30 | 14 | 10 | 2.5 | M3x12 | M22x1.5 | 6-14 |
| HYER16-08 | 08 | 18 | 36 | 30 | 14 | 10 | 2.5 | M3x12 | M22x1.5 | 14-35 |
| HYER20-12 | 12 | 22 | 43.5 | 40 | 24 | 12 | 3 | M4x20 | M25x1.5 | 50-90 |
| HYER25-12 | 12 | 26 | 48 | 46 | 26 | 13 | 3 | M4x20 | M32x1.5 | 50-90 |
| HYER25-16 | 16 | 26 | 48 | 46 | 26 | 13 | 3 | M4x20 | M32x1.5 | 120-200 |
| HYER32-20 | 20 | 30 | 52 | 52 | 25.5 | 15 | 3 | M4x20 | M40x1.5 | 230-370 |
| HYER40-25 | 25 | 35 | 62 | 56 | 22 | 20 | 3 | M4x20 | M50x1.5 | 420-600 |
| HYER50-32 | 32 | 42 | 69.5 | 60 | 22 | 20 | 3 | M4x20 | M64x2 | 660-1000 |
| | | | | | | | | | | |
| HYER16M-06 | 06 | 16 | 34 | 30 | 14 | 10 | 2.5 | M3x12 | M19x1 | 6-14 |
| HYER16M-08 | 08 | 18 | 36 | 30 | 14 | 10 | 2.5 | M3x12 | M19x1 | 14-35 |
| HYER20M-12 | 12 | 22 | 43.5 | 40 | 24 | 12 | 3 | M4x20 | M24x1 | 50-90 |
| HYER25M-12 | 12 | 26 | 48 | 46 | 26 | 13 | 3 | M4x20 | M30x1 | 50-90 |
| HYER25M-16 | 16 | 26 | 48 | 46 | 26 | 13 | 3 | M4x20 | M30x1 | 120-200 |

Inch

| Size | d | D | D1 | L | L1 | L2 | N | Dim. | Thread | T* (Nm) |
|---|---|---|---|---|---|---|---|---|---|---|
| HYER16-1/4" | 1/4" | 0.63 | 1.339 | 1.181 | 0.551 | 0.394 | 0.098 | M3x12 | M22x1.5 | 4.4-10 |
| HYER20-1/2" | 1/2" | 0.866 | 1.713 | 1.575 | 0.945 | 0.472 | 0.118 | M4x20 | M25x1.5 | 37-66 |
| HYER25-1/2" | 1/2" | 1.024 | 1.89 | 1.811 | 1.024 | 0.512 | 0.118 | M4x20 | M32x1.5 | 37-66 |
| HYER25-5/8" | 5/8" | 1.024 | 1.89 | 1.811 | 1.024 | 0.512 | 0.118 | M4x20 | M32x1.5 | 89-148 |
| HYER32-3/4" | 3/4" | 1.181 | 2.047 | 2.047 | 1.004 | 0.591 | 0.118 | M4x20 | M40x1.5 | 170-273 |
| HYER40-1" | 1" | 1.378 | 2.323 | 2.205 | 0.866 | 0.787 | 0.118 | M4x20 | M50x1.5 | 310-443 |
| HYER40-1-1/4" | 1-1/4" | 1.654 | 2.736 | 2.362 | 0.866 | 0.787 | 0.118 | M4x20 | M64x2 | 487-738 |
| | | | | | | | | | | |
| HYER20M-1/2" | 1/2" | 0.866 | 1.713 | 1.575 | 0.945 | 0.472 | 0.118 | M4x20 | M24x1 | 37-66 |

# Hydraulic Collet Set
## 液压筒夹套装





| Size | Hydraulic chuck | Hydraulic Collet | Collet Quantity |
|---|---|---|---|
| BT40-HY12-90-5 PCS | BT40-HY12-90 | HYS12-3,4,5,6,8 | 5 |
| BT40-HY20-90-5 PCS | BT40-HY20-90 | HYS20-6,8,10,12,16 | 5 |
| BT40-HY32-105-7 PCS | BT40-HY32-105 | HYS32-6,8,10,12,16,20,25 | 7 |
| | | | |
| SK40-HY12-80.5-5 PCS | SK40-HY12-80.5 | HYS12-3,4,5,6,8 | 5 |
| SK40-HY20-80.5-5 PCS | SK40-HY20-80.5 | HYS20-6,8,10,12,16 | 5 |
| SK40-HY32-80.5-7 PCS | SK40-HY32-80.5 | HYS32-6,8,10,12,16,20,25 | 7 |
| | | | |
| CAT40-HY12-81-5 PCS | CAT40-HY12-81 | HYS12-3,4,5,6,8 | 5 |
| CAT40-HY20-81-5 PCS | CAT40-HY20-81 | HYS20-6,8,10,12,16 | 5 |
| CAT40-HY32-81-7 PCS | CAT40-HY32-81 | HYS32-6,8,10,12,16,20,25 | 7 |
| | | | |
| HSK63A-HY12-85-5 PCS | HSK63A-HY12-85 | HYS12-3,4,5,6,8 | 5 |
| HSK63A-HY20-90-5 PCS | HSK63A-HY20-90 | HYS20-6,8,10,12,16 | 5 |
| HSK63A-HY32-125-7 PCS | HSK63A-HY32-125 | HYS32-6,8,10,12,16,20,25 | 7 |

# Hydaulic Chuck Set
## 液压刀柄套装



| Size | Hydraulic chuck | Pull Stud | Spanner(mm) | Coolant tube |
|---|---|---|---|---|
| BT40-HY-8 PCS | BT40-HY06-90 | BT40-45CO*8 | T5 | - |
| | BT40-HY08-90 | | | |
| | BT40-HY10-90 | | | |
| | BT40-HY12-90 | | | |
| | BT40-HY16-90 | | | |
| | BT40-HY20-90 | | | |
| | BT40-HY25-100 | | T6 | |
| | BT40-HY32-105 | | | |
| SK40-HY-8 PCS | SK40-HY06-80.5 | SK40A*8 | T5 | - |
| | SK40-HY08-80.5 | | | |
| | SK40-HY10-80.5 | | | |
| | SK40-HY12-80.5 | | | |
| | SK40-HY16-80.5 | | | |
| | SK40-HY20-80.5 | | | |
| | SK40-HY25-80.5 | | T6 | |
| | SK40-HY32-80.5 | | | |
| CAT40-HY-8 PCS | CAT40-HY06-81 | CAT40*8 | T5 | - |
| | CAT40-HY08-81 | | | |
| | CAT40-HY10-81 | | | |
| | CAT40-HY12-81 | | | |
| | CAT40-HY16-81 | | | |
| | CAT40-HY20-81 | | | |
| | CAT40-HY25-81 | | T6 | |
| | CAT40-HY32-81 | | | |
| HSK63A-HY-8PCS | HSK63A-HY06-70 | - | T5 | CT63*8 |
| | HSK63A-HY08-70 | | | |
| | HSK63A-HY10-80 | | | |
| | HSK63A-HY12-85 | | | |
| | HSK63A-HY16-90 | | | |
| | HSK63A-HY20-90 | | | |
| | HSK63A-HY25-120 | | T6 | |
| | HSK63A-HY32-125 | | | |

BRIGHT-TOOLS

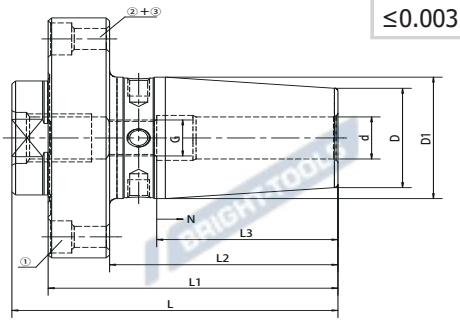
# MOD

## TOOL HOLDERS

BRIGHT-TOOLS

# Shrink Chuck, Module
## 法兰热缩刀柄



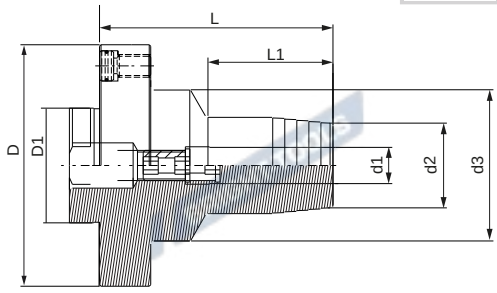



| Size | d | D | D1 | L | L1 | L2 | L3 | N | G |
|---|---|---|---|---|---|---|---|---|---|
| MOD60-SF06-70 | 06 | 21 | 27 | 80 | 70 | 57 | 36 | 10 | M5 |
| MOD60-SF08-70 | 08 | 21 | 27 | 80 | 70 | 57 | 36 | 10 | M6 |
| MOD60-SF10-70 | 10 | 24 | 31.5 | 80 | 70 | 57 | 42 | 10 | M8x1 |
| MOD60-SF12-70 | 12 | 24 | 31.5 | 80 | 70 | 57 | 47 | 10 | M10x1 |
| MOD70-SF14-75 | 14 | 27 | 34 | 85 | 75 | 60 | 46 | 10 | M10x1 |
| MOD70-SF16-75 | 16 | 27 | 34 | 85 | 75 | 60 | 49 | 10 | M12x1 |
| MOD80-SF18-80 | 18 | 33 | 40.5 | 90 | 80 | 63 | 50 | 10 | M12x1 |
| MOD80-SF20-80 | 20 | 33 | 42 | 90 | 80 | 63 | 51 | 10 | M16x1 |
| MOD100-SF25-80 | 25 | 44 | 53 | 92 | 80 | 59 | 57 | 10 | M16x1 |
| MOD100-SF32-80 | 32 | 44 | 53 | 92 | 80 | 59 | 61 | 10 | M16x1 |

# Hydraulic Chuck, Module
# 法兰液压刀柄

A ↗
≤0.003

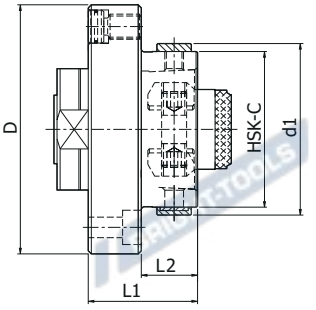





| Size | D | D1 | d1 | d2 | d3 | L1 | L |
|---|---|---|---|---|---|---|---|
| MOD60-HY06-80 | 60 | 30 | 06 | 26 | 40 | 30 | 80 |
| MOD60-HY08-80 | 60 | 30 | 08 | 28 | 40 | 30 | 80 |
| MOD60-HY10-80 | 60 | 30 | 10 | 30 | 40 | 35 | 80 |
| MOD60-HY12-80 | 60 | 30 | 12 | 32 | 40 | 40 | 80 |
| MOD70-HY06-80 | 70 | 35 | 06 | 26 | 40 | 30 | 80 |
| MOD70-HY08-80 | 70 | 35 | 08 | 28 | 40 | 30 | 80 |
| MOD70-HY10-80 | 70 | 35 | 10 | 30 | 40 | 35 | 80 |
| MOD70-HY12-80 | 70 | 35 | 12 | 32 | 40 | 40 | 80 |
| MOD80-HY06-80 | 80 | 40 | 06 | 26 | 50 | 24 | 80 |
| MOD80-HY08-80 | 80 | 40 | 08 | 28 | 50 | 25 | 80 |
| MOD80-HY10-80 | 80 | 40 | 10 | 30 | 50 | 35 | 80 |
| MOD80-HY12-80 | 80 | 40 | 12 | 32 | 50 | 44.5 | 80 |
| MOD80-HY16-80 | 80 | 40 | 16 | 38 | 50 | 46 | 80 |
| MOD80-HY20-80 | 80 | 40 | 20 | 42 | 50 | 47.5 | 80 |
| MOD100-HY12-80 | 100 | 50 | 12 | 35 | 50 | 44.5 | 80 |
| MOD100-HY16-80 | 100 | 50 | 16 | 38 | 50 | 46 | 80 |
| MOD100-HY20-80 | 100 | 50 | 20 | 42 | 50 | 47.5 | 80 |
| MOD100-HY25-90 | 100 | 50 | 25 | 57 | 63 | 59 | 90 |
| MOD117-HY32-100 | 117 | 60 | 32 | - | - | - | 100 |

# Flange Tool Holder Adatper Sleeve
# 法兰转换刀柄



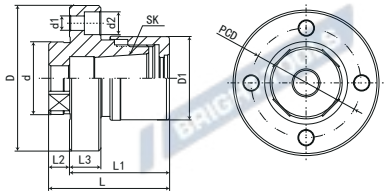



| Size | D | HSK-C | d1 | L1 | L2 |
|---|---|---|---|---|---|
| MOD060-HSK32C-26 | 60 | 32 | 37 | 26 | 13 |
| MOD070-HSK40C-30 | 70 | 40 | 45 | 30 | 15 |
| MOD080-HSK50C-35 | 80 | 50 | 55 | 35 | 18 |
| MOD100-HSK63C-60 | 100 | 63 | 70 | 60 | 39 |
| MOD117-HSK80C-50 | 117 | 80 | 87 | 50 | 29 |
| MOD140-HSK100C-70 | 140 | 100 | 110 | 70 | 42 |

# ER Collet Chuck,Module
# 法兰 ER 筒夹刀柄

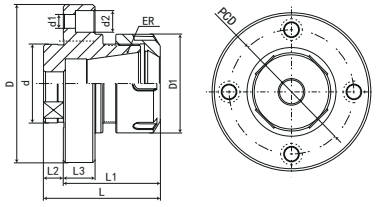


Type 1






Type 2




| Size | D | D1 | d | d1 | L | L1 | L2 | L3 | PCD | FIG |
|---|---|---|---|---|---|---|---|---|---|---|
| MOD060-ER16-48 | 60 | 40 | 30 | 6 | 58 | 48 | 10 | 15 | 44 | 1 |
| MOD070-ER16-48 | 70 | 40 | 35 | 7 | 58 | 48 | 10 | 15 | 53 | 1 |
| MOD080-ER16-49 | 80 | 40 | 40 | 7 | 59 | 49 | 10 | 16 | 63 | 1 |
| MOD080-ER32-49 | 80 | 50 | 40 | 7 | 59 | 49 | 10 | 16 | 63 | 2 |
| MOD100-ER40-63 | 100 | 63 | 50 | 9 | 75 | 63 | 12 | 18 | 79 | 2 |

BRIGHT-TOOLS

# BT

## TOOL HOLDERS

BRIGHT-TOOLS

# POWER MILLING CHUCK
# 强力刀柄的工作原理



## High Rigidity
## 高刚性

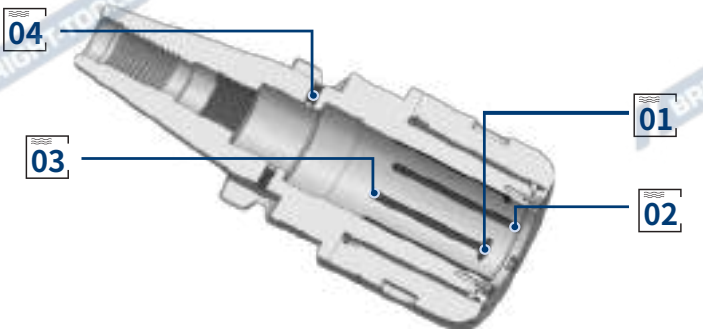


Before Clamping
装夹刀具前



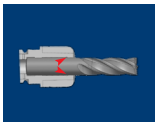
After Clamping
装夹刀具后

## High clamping force
## 高夹持力





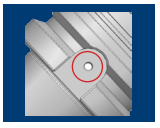

01 Deep groove High clamping force
深槽 增加夹紧力



02 Radial notch,prevents tool from slipping out
径向槽深 , 防止刀具打滑

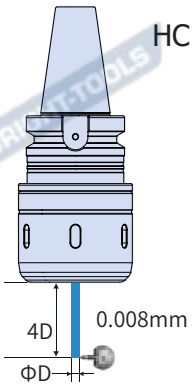


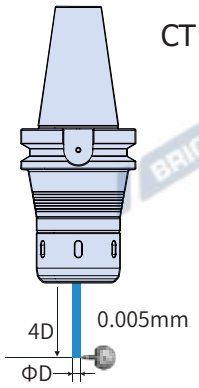
03 Prevents tool rotation
防止刀具旋转



04 a ventilation shaft
排气孔

## High precision
## 高精度




## AD 中心出水



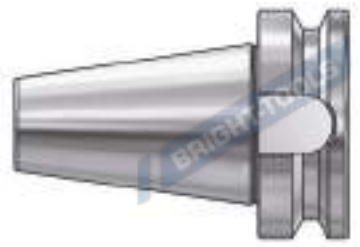
## Rough machining
## 粗加工

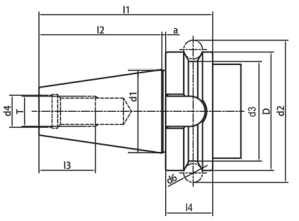


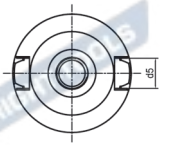
√ Aerospace machining
√ Automotive Mould Machining
√ Energy Equipment Heavy Cutting

√ 航空航天加工
√ 汽车模具加工
√ 能源装备重切削

# BT Taper Standard
# BT 锥柄标准






| Size | D | d1 | d2 | d3 | d4 | d5 | d6 | l1 | l2 | l3 | l4 | a | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BT30 | 46 | 31.75 | 56.144 | 38 | 12.5 | 16.1 | 8 | 70.4 | 48.4 | 24 | 20 | 2 | M12*1.75 |
| BT40 | 63 | 44.45 | 75.679 | 53 | 17 | 16.1 | 10 | 92.4 | 65.4 | 30 | 25 | 2 | M16*2.0 |
| BT50 | 100 | 69.85 | 119.019 | 85 | 25 | 25.7 | 15 | 139.8 | 101.8 | 45 | 35 | 3 | M24*3.0 |

**Taper standard:** JIS B 6339
**Material:** Alloyed case hardened steel
**Surface Treatment:** Blackening and Bright
**Taper tolerance:** <AT3
**Hardness:** HRC 56-60
**Carbon depth:** 0.8±0.2mm
**Surface Roughness:** Ra<0.2μm
**Balancing:** G6.3/15000; G2.5/25000
**Cooling:** AD; AD/B can be made by request.

# BT TOOLING SYSTEM
# BT 工具系统

ER Collet Chuck.....D.06
ER 弹簧夹头刀柄
ER Collet Chuck,Shrot.....D.11
ER 弹簧夹头刀柄,超短型
GER Collet Chuck .....D.11
GER 弹簧夹头刀柄
Power Milling Chuck .....D.12
强力铣刀柄
OZ Collet C huck.....D.15
OZ 夹头刀柄
TG Collet Chuck .....D.15
TG 超强力刀柄
SKS Collet Chuck.....D.16
SKS 高速筒夹刀柄
Pull Back  Collet Chuck .....D.17
DC 后拉刀柄
Precision Screw Collet Chuck.....D.18
NDC 后拉刀柄
Face Mill Holder.....D.19
面铣刀柄
Combi Shell Mill Holder.....D.23
混合插入式铣刀柄
End Mill Holder.....D.24
侧固刀柄
Morse Taper Adapter.....D.30
带扁尾莫氏刀柄
Morse Taper Adapter..... D.31
带螺纹孔莫氏刀柄
Tool Holder Adapter Sleeve .....D.33
转换刀柄
Drill Chuck Adapter.....D.33
钻接杆
APU Drill Chuck Holder .....D.33
APU 钻夹头刀柄
Precision Drill Chuck Holder.....D.34
精密钻夹头刀柄
Quick Change Tapping Chuck.....D.36
弹性快换攻丝刀柄
Screw-in Milling Cutter Holder.....D.33
SOM 锁牙刀柄
Runout Adjustable Flange Adapter .....D.35
可调节精度法兰刀柄
UM Adjustable.....D.36
UM调零刀柄
Boring Bar Blank.....D.39
基础柄
Test Arbor.....D.39
主轴检测棒
Alignment Tool for ATC Arm .....D.40
调整机械手用组合模具





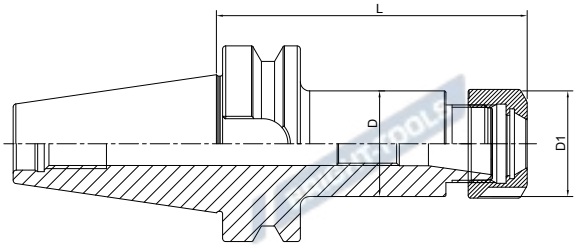




## ER Collet Chuck with UM Nut
## ER 弹簧夹头刀柄



| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |




| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| BT30-ER16UM-70 | 28 | 32 | 70 | 1-10 |
| BT30-ER20UM-70 | 34 | 35 | 70 | 1-13 |
| BT30-ER25-70 | 42 | 42 | 70 | 2-16 |
| BT30-ER32-70 | 40 | 50 | 70 | 2-20 |
| BT30-ER40-70 | 50 | 63 | 70 | 3-26 |
| BT30-ER16UM-100 | 28 | 32 | 100 | 1-10 |
| BT30-ER20UM-100 | 34 | 35 | 100 | 1-13 |
| BT30-ER25-100 | 42 | 42 | 100 | 2-16 |
| BT30-ER32-100 | 40 | 50 | 100 | 2-20 |
| | | | | |
| BT40-ER16UM-70 | 28 | 32 | 70 | 1-10 |
| BT40-ER20UM-70 | 34 | 35 | 70 | 1-13 |
| BT40-ER25-70 | 42 | 42 | 70 | 2-16 |
| BT40-ER32-70 | 50 | 50 | 70 | 2-20 |
| BT40-ER40-80 | 50 | 63 | 80 | 3-26 |
| BT40-ER16UM-100 | 28 | 32 | 100 | 1-10 |
| BT40-ER20UM-100 | 34 | 35 | 100 | 1-13 |
| BT40-ER25-100 | 42 | 42 | 100 | 2-16 |
| BT40-ER32-100 | 50 | 50 | 100 | 2-20 |
| BT40-ER40-100 | 50 | 63 | 100 | 3-26 |
| BT40-ER16UM-160 | 28 | 32 | 160 | 1-10 |
| BT40-ER20UM-160 | 34 | 35 | 160 | 1-13 |
| BT40-ER25-160 | 42 | 42 | 160 | 2-16 |
| BT40-ER32-160 | 50 | 50 | 160 | 2-20 |
| BT40-ER40-160 | 50 | 63 | 160 | 3-26 |

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G6.3/15000 | AD |

| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| BT40-ER16UM-200 | 28 | 32 | 200 | 1-10 |
| BT40-ER20UM-200 | 34 | 35 | 200 | 1-13 |
| BT40-ER25-200 | 42 | 42 | 200 | 2-16 |
| BT40-ER32-200 | 50 | 50 | 200 | 2-20 |
| BT40-ER40-200 | 50 | 63 | 200 | 3-26 |

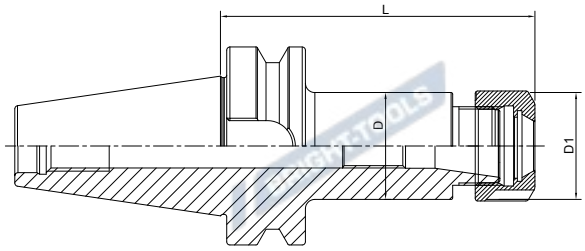
AD/B Customized

AD/B 可定制

# ER Collet Chuck with UM Nut
# ER 弹簧夹头刀柄

| DIN6499 | A ↗ ≤0.003 | RPM G6.3/15000 | AD |
|---|---|---|---|






| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| BT50-ER16UM-70 | 28 | 32 | 70 | 1-10 |
| BT50-ER20UM-70 | 34 | 35 | 70 | 1-13 |
| BT50-ER25-70 | 42 | 42 | 70 | 2-16 |
| BT50-ER32-70 | 40 | 50 | 70 | 2-20 |
| BT50-ER40-80 | 63 | 63 | 80 | 3-26 |
| BT50-ER50-100 | 64 | 78 | 100 | 6-34 |
| | | | | |
| BT50-ER16UM-100 | 28 | 32 | 100 | 1-10 |
| BT50-ER20UM-100 | 34 | 35 | 100 | 1-13 |
| BT50-ER25-100 | 42 | 42 | 100 | 2-16 |
| BT50-ER32-100 | 50 | 50 | 100 | 2-20 |
| BT50-ER40-100 | 63 | 63 | 100 | 3-26 |
| | | | | |
| BT50-ER16UM-160 | 28 | 32 | 160 | 1-10 |
| BT50-ER20UM-160 | 34 | 35 | 160 | 1-13 |
| BT50-ER25-160 | 42 | 42 | 160 | 2-16 |
| BT50-ER32-160 | 50 | 50 | 160 | 2-20 |
| BT50-ER40-160 | 63 | 63 | 160 | 3-26 |
| | | | | |
| BT50-ER16UM-200 | 28 | 32 | 200 | 1-10 |
| BT50-ER20UM-200 | 34 | 35 | 200 | 1-13 |
| BT50-ER25-200 | 42 | 42 | 200 | 2-16 |
| BT50-ER32-200 | 50 | 50 | 200 | 2-20 |
| BT50-ER40-200 | 63 | 63 | 200 | 3-26 |
| | | | | |
| BT50-ER25-250 | 42 | 42 | 250 | 2-16 |
| BT50-ER32-250 | 50 | 50 | 250 | 2-20 |
| BT50-ER40-250 | 63 | 63 | 250 | 3-26 |
| | | | | |
| BT50-ER25-300 | 42 | 42 | 300 | 2-16 |
| BT50-ER32-300 | 50 | 50 | 300 | 2-20 |
| BT50-ER40-300 | 63 | 63 | 300 | 3-26 |

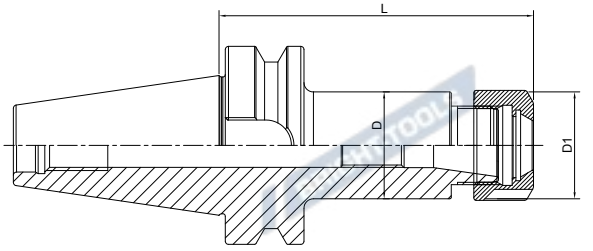
AD/B Customized

AD/B 可定制

## ER Collet Chuck with UM Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G6.3/15000 | AD |






| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| BT60-ER32-100 | 50 | 50 | 100 | 2-20 |
| BT60-ER40-100 | 63 | 63 | 100 | 3-26 |
| BT60-ER50-100 | 64 | 78 | 100 | 6-34 |
| | | | | |
| BT60-ER32-160 | 50 | 50 | 160 | 2-20 |
| BT60-ER40-160 | 63 | 63 | 160 | 3-26 |
| BT60-ER50-160 | 64 | 78 | 160 | 6-34 |

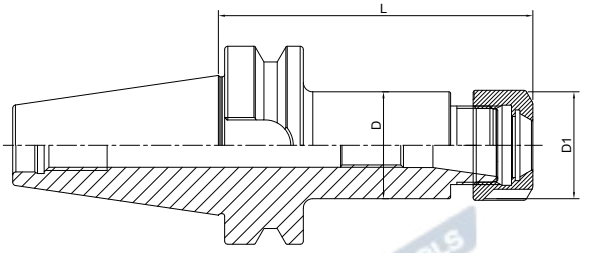
AD/B Customized

AD/B 可定制

## ER Collet Chuck with Hex Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |



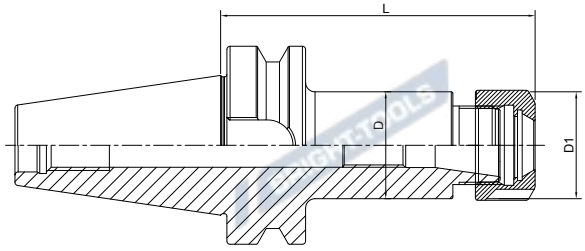



| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| BT30-ER16-70 | 28 | 28 | 70 | 1-10 |
| BT30-ER20-70 | 34 | 34 | 70 | 1-13 |
| BT30-ER16-100 | 28 | 28 | 100 | 1-10 |
| BT30-ER20-100 | 34 | 34 | 100 | 1-13 |
| | | | | |
| BT40-ER16-70 | 28 | 28 | 70 | 1-10 |
| BT40-ER20-70 | 34 | 34 | 70 | 1-13 |
| BT40-ER16-100 | 28 | 28 | 100 | 1-10 |
| BT40-ER20-100 | 34 | 34 | 100 | 1-13 |
| BT40-ER16-160 | 28 | 28 | 160 | 1-10 |
| BT40-ER20-160 | 34 | 34 | 160 | 1-13 |

# ER Collet Chuck with Hex Nut
# ER 弹簧夹头刀柄

| DIN6499 | A ↗ ≤0.003 | RPM G6.3/25000 | AD |
|---|---|---|---|






| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| BT40-ER16-200T | 28 | 28 | 200 | 1-10 |
| BT40-ER20-200 | 34 | 34 | 200 | 1-13 |
| | | | | |
| BT50-ER16-70 | 28 | 28 | 70 | 1-10 |
| BT50-ER20-70 | 34 | 34 | 70 | 1-13 |
| BT50-ER16-100 | 28 | 28 | 100 | 1-10 |
| BT50-ER20-100 | 34 | 34 | 100 | 1-13 |
| BT50-ER16-160 | 28 | 28 | 160 | 1-10 |
| BT50-ER20-160 | 34 | 34 | 160 | 1-13 |
| BT50-ER16-200T | 28 | 28 | 200 | 1-10 |
| BT50-ER20-200 | 34 | 34 | 200 | 1-13 |

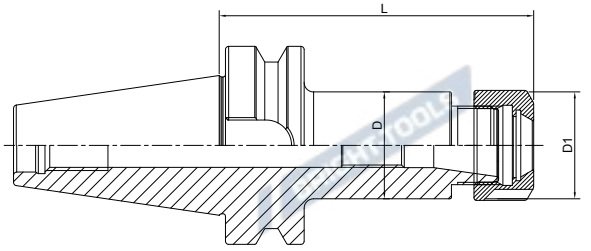
AD/B Customized
T refers to cutter side with taper design

AD/B 可定制
T 代表刀具端锥柄设计

## ER Collet Chuck with Mini Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ ≤0.003 | RPM G2.5/25000 | AD |
|---|---|---|---|






| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| BT30-ER11M-70 | 16 | 16 | 70 | 1-7 |
| BT30-ER16M-70 | 22 | 22 | 70 | 1-10 |
| | | | | |
| BT40-ER11M-70 | 16 | 16 | 70 | 1-7 |
| BT40-ER16M-70 | 22 | 22 | 70 | 1-10 |
| BT40-ER20M-70 | 28 | 28 | 70 | 1-13 |
| BT40-ER25M-70 | 35 | 35 | 70 | 2-16 |
| | | | | |
| BT40-ER11M-100 | 16 | 16 | 100 | 1-7 |
| BT40-ER16M-100 | 22 | 22 | 100 | 1-10 |
| BT40-ER20M-100 | 28 | 28 | 100 | 1-13 |
| BT40-ER25M-100 | 35 | 35 | 100 | 2-16 |
| | | | | |
| BT40-ER11M-160T | 16 | 16 | 160 | 1-7 |
| BT40-ER16M-160T | 22 | 22 | 160 | 1-10 |
| BT40-ER20M-160 | 28 | 28 | 160 | 1-13 |
| BT40-ER25M-160 | 35 | 35 | 160 | 2-16 |

RPM G6.3/15000

| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| BT50-ER16M-100 | 22 | 22 | 100 | 1-10 |
| BT50-ER20M-100 | 28 | 28 | 100 | 1-13 |
| BT50-ER25M-100 | 35 | 35 | 100 | 2-16 |
| | | | | |
| BT50-ER16M-160T | 22 | 22 | 160 | 1-10 |
| BT50-ER20M-160 | 28 | 28 | 160 | 1-13 |
| BT50-ER25M-160 | 35 | 35 | 160 | 2-16 |

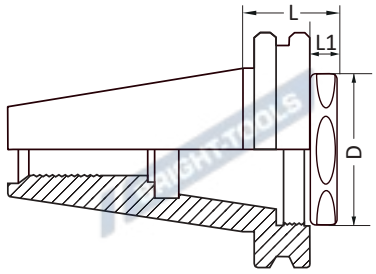
AD/B Customized
T refers to cutter side with taper design

AD/B 可定制
T 代表刀具端锥柄设计

## ER Collet Chuck，Shrot
## ER 弹簧夹头刀柄，超短型

| DIN6499 | A ↗ | RPM | AD |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | |



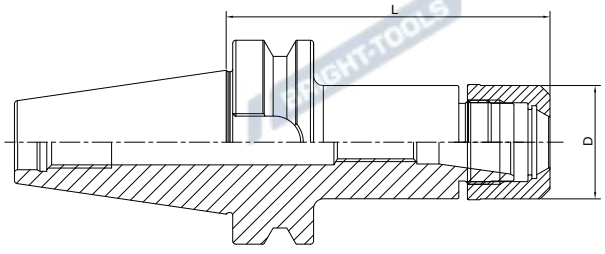



| Size | D | L | L1 |
|---|---|---|---|
| BT40-ER25-36 | 27 | 36 | 9 |
| BT40-ER32-36 | 34 | 36 | 9 |

## ER Collet Chuck with GER Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | AD |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | |






| Size | D | L | Capacity |
|---|---|---|---|
| BT30-GER16-70 | 27 | 70 | 1-10 |
| BT30-GER20-70 | 35 | 70 | 1-13 |
| BT30-GER25-70 | 40 | 70 | 2-16 |
| BT30-GER32-70 | 48 | 70 | 2-20 |
| | | | |
| BT40-GER16-70 | 27 | 70 | 1-10 |
| BT40-GER20-70 | 35 | 70 | 1-13 |
| BT40-GER25-70 | 40 | 70 | 2-16 |
| BT40-GER32-70 | 48 | 70 | 2-20 |
| BT40-GER16-100 | 30 | 100 | 1-10 |
| BT40-GER20-100 | 35 | 100 | 1-13 |
| BT40-GER25-100 | 40 | 100 | 2-16 |
| BT40-GER32-100 | 48 | 100 | 2-20 |
| | | | |
| BT50-GER16-100 | 27 | 100 | 1-10 |
| BT50-GER20-100 | 35 | 100 | 1-13 |
| BT50-GER25-100 | 40 | 100 | 2-16 |
| BT50-GER32-100 | 48 | 100 | 2-20 |

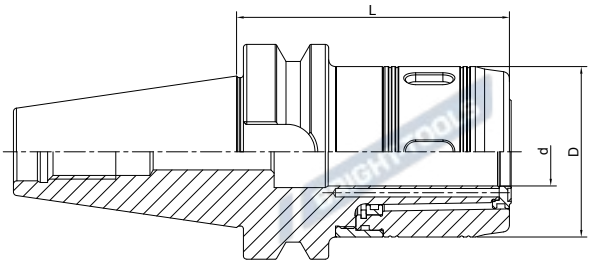
BT

## Power Milling Chuck
## 强力铣刀柄

A ≤0.008

AD






| Size | d | D | L | Capacity |
|---|---|---|---|---|
| BT30-HC20-80 | 20 | 50 | 80 | 3-16; 20 |
| BT30-HC25-90 | 25 | 59 | 90 | 3-20; 25 |
| BT30-HC32-110 | 32 | 72 | 110 | 3-25; 32 |
| | | | | |
| BT40-HC20-90 | 20 | 50 | 90 | 3-16; 20 |
| BT40-HC25-100 | 25 | 59 | 100 | 3-20; 25 |
| BT40-HC32-90 | 32 | 72 | 90 | 3-25; 32 |
| BT40-HC32-105 | 32 | 72 | 105 | 3-25; 32 |
| BT40-HC32-165 | 32 | 72 | 165 | 3-25; 32 |
| BT40-HC42-130 | 42 | 99 | 130 | 3-32; 42 |
| | | | | |
| BT50-HC20-105 | 20 | 50 | 105 | 3-16; 20 |
| BT50-HC25-105 | 25 | 59 | 105 | 3-20; 25 |
| BT50-HC32-110 | 32 | 72 | 110 | 3-25; 32 |
| BT50-HC42-110 | 42 | 99 | 110 | 3-32; 42 |
| | | | | |
| BT50-HC32-165 | 32 | 72 | 165 | 3-25; 32 |
| BT50-HC32-200 | 32 | 72 | 200 | 3-25; 32 |
| BT50-HC32-250 | 32 | 72 | 250 | 3-25; 32 |
| BT50-HC32-300 | 32 | 72 | 300 | 3-25; 32 |
| | | | | |
| BT60-HC32-130 | 32 | 72 | 130 | 3-25; 32 |
| BT60-HC42-130 | 42 | 99 | 130 | 3-32; 42 |

# Power Milling Chuck
# 强力铣刀柄

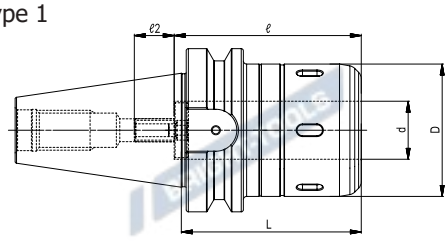
NEW

A ≤0.005

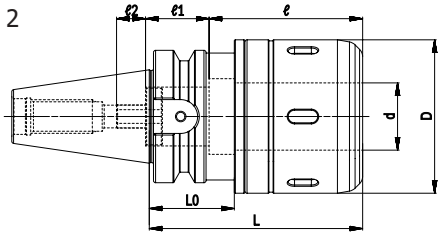
AD



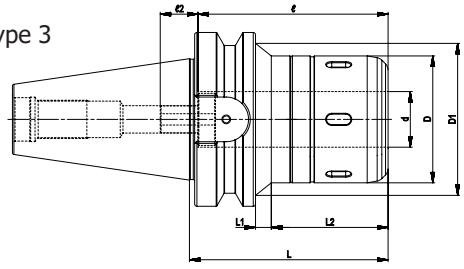
Type 1




Type 2




Type 3




| Size | Type | d | D | D1 | L | L1 | L2 | ℓ | ℓ1 | ℓ2 | d1 | L0 | G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BT30-CT16SA-90 | 1 | 16 | 45 | - | 90 | - | - | 65 | - | 15 | - | - | M10 |
| BT30-CT20SA-90 | 2 | 20 | 52 | - | 90 | - | - | 80 | - | 15 | - | 40 | M12 |
| BT30-CT25SA-90 | 2 | 25 | 61 | - | 90 | - | - | 80 | - | 15 | - | 31 | M12 |
| | | | | | | | | | | | | | |
| BT40-CT16SA-90 | 1 | 16 | 45 | | 90 | - | - | 65 | - | 15 | - | - | M10 |
| BT40-CT20SA-90 | 1 | 20 | 52 | - | 90 | - | - | 80 | - | 15 | - | - | M12 |
| BT40-CT25SA-90 | 1 | 25 | 61 | - | 90 | - | - | 80 | - | 15 | - | - | M12 |
| BT40-CT25SA-105 | 1 | 25 | 61 | - | 105 | - | - | 80 | - | 15 | - | - | M12 |
| BT40-CT32SA-90 | 2 | 32 | 73 | - | 90 | - | - | 76 | 32 | 17 | 26 | 31 | M18 |
| BT40-CT32SA-105 | 2 | 32 | 73 | - | 105 | - | - | 85 | 23 | 17 | 26 | 44 | M18 |
| BT40-CT32SA-135 | 2 | 32 | 73 | - | 135 | - | - | 120 | | 17 | - | 69 | M18 |

-

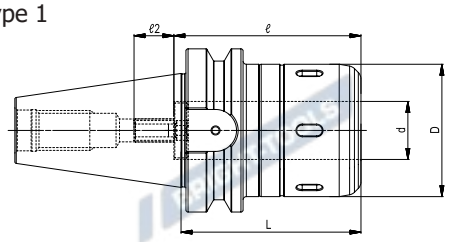
# Power Milling Chuck
# 强力铣刀柄

NEW

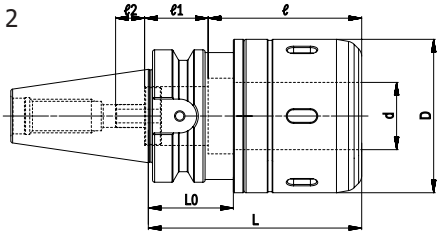
A ↗ ≤0.005 | AD



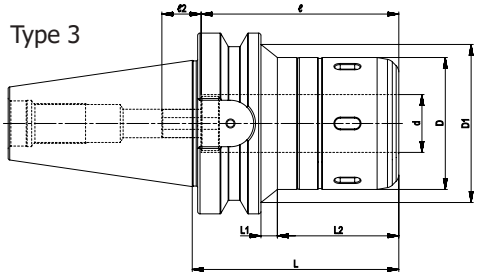
Type 1




Type 2




Type 3

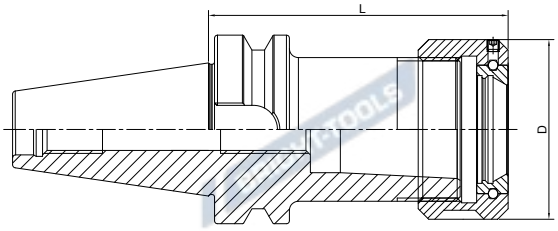



| Size | Type | d | D | D1 | L | L1 | L2 | ℓ | ℓ1 | ℓ2 | d1 | L0 | G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BT50-CT16SA-90 | 3 | 16 | 45 | 58 | 90 | 7 | 45 | 65 | - | 20 | - | - | M10 |
| BT50-CT20SA-90 | 3 | 20 | 52 | 65 | 90 | 7 | 45 | 80 | - | 15 | - | - | M12 |
| BT50-CT20SA-105 | 3 | 20 | 52 | 70 | 105 | 9 | 58 | 80 | - | 15 | - | - | M12 |
| BT50-CT20SA-135 | 3 | 20 | 52 | 73 | 135 | 39 | 58 | 80 | - | 15 | - | - | M12 |
| BT50-CT20SA-165 | 3 | 20 | 52 | 73 | 165 | 69 | 58 | 80 | - | 15 | - | - | M12 |
| BT50-CT25SA-105 | 3 | 25 | 61 | 82 | 105 | 11 | 56 | 80 | - | 15 | - | - | M12 |
| BT50-CT25SA-135 | 3 | 25 | 61 | 83 | 135 | 41 | 56 | 80 | - | 15 | - | - | M12 |
| BT50-CT25SA-165 | 3 | 25 | 61 | 86 | 165 | 71 | 56 | 80 | - | 15 | - | - | M12 |
| BT50-CT32SA-110 | 1 | 32 | 73 | - | 110 | - | - | 120 | - | 20 | - | - | M18 |
| BT50-CT32SA-135 | 3 | 32 | 73 | 88 | 135 | 41 | 56 | 120 | - | 20 | - | - | M18 |
| BT50-CT32SA-165 | 3 | 32 | 73 | 86 | 165 | 71 | 56 | 120 | - | 20 | - | - | M18 |
| BT50-CT32SA-200 | 3 | 32 | 73 | 88 | 200 | 106 | 56 | 120 | - | 20 | - | - | M18 |
| BT50-CT32SA-250 | 3 | 32 | 73 | 88 | 250 | 156 | 56 | 120 | - | 20 | - | - | M18 |
| BT50-CT32SA-300 | 3 | 32 | 73 | 88 | 300 | 206 | 56 | 120 | - | 20 | - | - | M18 |
| BT50-CT32SA-350 | 3 | 32 | 73 | 88 | 350 | 256 | 56 | 120 | - | 20 | - | - | M18 |
| BT50-CT32SA-400 | 3 | 32 | 73 | 88 | 400 | 306 | 56 | 120 | - | 20 | - | - | M18 |
| BT50-CT32SA-450 | 3 | 32 | 73 | 88 | 450 | 356 | 56 | 120 | - | 20 | - | - | M18 |
| BT50-CT42SA-105 | 1 | 42 | 88 | - | 105 | - | - | 120 | - | 20 | - | - | M18 |
| BT50-CT42SA-135 | 1 | 42 | 88 | | 135 | - | - | 120 | - | 20 | - | - | M18 |
| BT50-CT42SA-165 | 1 | 42 | 88 | - | 165 | - | - | 120 | - | 20 | - | - | M18 |
| BT50-CT42SA-200 | 1 | 42 | 88 | - | 200 | - | - | 120 | - | 20 | - | - | M18 |
| BT50-CT42SA-250 | 1 | 42 | 88 | - | 250 | - | - | 120 | - | 20 | - | - | M18 |
| BT50-CT42SA-300 | 1 | 42 | 88 | - | 300 | - | - | 120 | - | 20 | - | - | M18 |
| | | | | | | | | | | | | | |
| BT60-CT32SA-135 | 3 | 32 | 73 | 88 | 135 | 31 | 56 | 120 | - | 20 | - | - | M18 |
| BT60-CT42SA-135 | 3 | 42 | 88 | 110 | 135 | 31 | 56 | 120 | - | 20 | - | - | M18 |

## OZ Collet Chuck
## OZ 夹头刀柄

| DIN6391 | A ≤0.005 | RPM G6.3/15000 | AD |
|---|---|---|---|



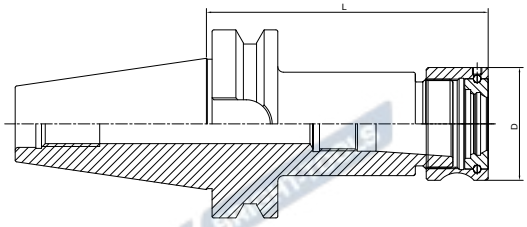



| Size | D | L | Capacity |
|---|---|---|---|
| BT30-OZ16-70 | 43 | 70 | 3-16 |
| BT30-OZ25-80 | 60 | 80 | 3-25 |
| | | | |
| BT40-OZ16-70 | 43 | 70 | 3-16 |
| BT40-OZ25-70 | 60 | 70 | 3-25 |
| BT40-OZ32-80 | 72 | 80 | 6-32 |
| | | | |
| BT50-OZ25-85 | 60 | 85 | 3-25 |
| BT50-OZ32-90 | 72 | 90 | 6-32 |

## TG Collet Chuck
## TG 超强力刀柄

| A ≤0.005 | RPM G2.5/25000 | AD |
|---|---|---|





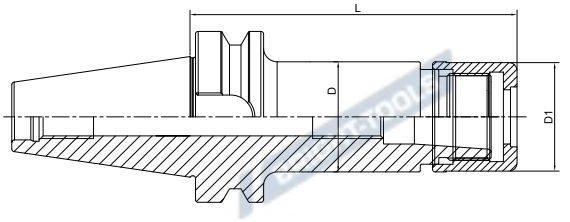

| Size | D | L | Collet | Capacity |
|---|---|---|---|---|
| BT40-TG75-70 | 50 | 70 | TG 75 | 2-20 |
| BT40-TG100-80 | 60 | 80 | TG 100 | 3-25 |
| BT40-TG100-100 | 60 | 100 | TG 100 | 3-25 |
| BT40-TG100-150 | 60 | 150 | TG 100 | 3-25 |
| | | | | |
| BT50-TG100-90 | 60 | 90 | TG 100 | 3-25 |
| BT50-TG100-150 | 60 | 150 | TG 100 | 3-25 |

BT

## High Speed SKS Collet Chuck
## SKS 高速筒夹刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



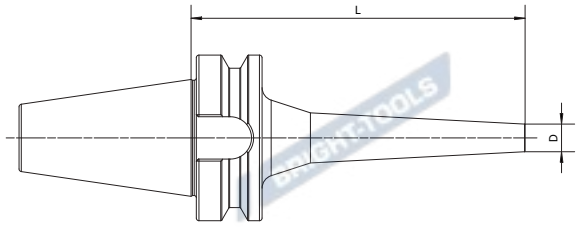



| Size | D | D1 | L | Capacity | M |
|---|---|---|---|---|---|
| BT30-SKS10-60 | 27.5 | 27 | 60 | 2-10 | M21.5*1 |
| BT30-SKS16-60 | 40.6 | 40 | 60 | 3-16 | M32*1.5 |
| BT30-SKS10-90 | 27.5 | 27 | 90 | 2-10 | M21.5*1 |
| BT30-SKS16-90 | 40.6 | 40 | 90 | 3-16 | M32*1.5 |
| | | | | | |
| BT40-SKS10-60 | 27.5 | 27 | 60 | 2-10 | M21.5*1 |
| BT40-SKS16-70 | 40.6 | 40 | 70 | 3-16 | M32*1.5 |
| | | | | | |
| BT40-SKS10-90 | 27.5 | 27 | 90 | 2-10 | M21.5*1 |
| BT40-SKS16-90 | 40.6 | 40 | 90 | 3-16 | M32*1.5 |
| BT40-SKS20-90 | 48.5 | 48 | 90 | 2-20 | M40*1 |
| BT40-SKS25-90 | 55.6 | 55 | 90 | 6-25 | M45*1.5 |
| BT40-SKS10-120 | 27.5 | 27 | 120 | 2-10 | M21.5*1 |
| BT40-SKS16-120 | 40.6 | 40 | 120 | 3-16 | M32*1.5 |
| BT40-SKS20-120 | 48.5 | 48 | 120 | 2-20 | M40*1 |
| BT40-SKS25-120 | 55.6 | 55 | 120 | 6-25 | M45*1.5 |
| | | | | | |
| BT50-SK10-100 | 27.5 | 27 | 100 | 2-10 | M21.5*1 |
| BT50-SK16-100 | 40.6 | 40 | 100 | 3-16 | M32*1.5 |
| | | | | | |
| BT50-SKS10-120 | 27.5 | 27 | 120 | 2-10 | M21.5*1 |
| BT50-SKS16-120 | 40.6 | 40 | 120 | 3-16 | M32*1.5 |
| BT50-SKS10-165 | 27.5 | 27 | 165 | 2-10 | M21.5*1 |
| BT50-SKS16-165 | 40.6 | 40 | 165 | 3-16 | M32*1.5 |

## Pull Back Collet Chuck
## DC 后拉刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





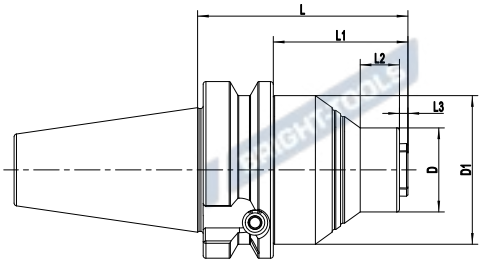

| Size | L | D | Capacity |
|---|---|---|---|
| BT30-DC06-60 | 60 | 14 | 1-6 |
| BT30-DC06-90 | 90 | 14 | 1-6 |
| BT30-DC06-120 | 120 | 14 | 1-6 |
| BT30-DC08-60 | 60 | 22 | 1-10 |
| BT30-DC08-90 | 90 | 22 | 1-10 |
| BT30-DC08-120 | 120 | 22 | 1-10 |
| BT30-DC12-80 | 80 | 34 | 1-12 |
| | | | |
| BT40-DC06-60 | 60 | 14 | 1-6 |
| BT40-DC06-90 | 90 | 14 | 1-6 |
| BT40-DC06-120 | 120 | 14 | 1-6 |
| BT40-DC06-150 | 150 | 14 | 1-6 |
| BT40-DC08-60 | 60 | 22 | 1-10 |
| BT40-DC08-90 | 90 | 22 | 1-10 |
| BT40-DC08-120 | 120 | 22 | 1-10 |
| BT40-DC08-150 | 150 | 22 | 1-10 |
| BT40-DC08-200 | 200 | 22 | 1-10 |
| BT40-DC12-90 | 90 | 34 | 1-12 |
| BT40-DC12-120 | 120 | 34 | 1-12 |
| BT40-DC12-150 | 150 | 34 | 1-12 |
| BT40-DC12-200 | 200 | 34 | 1-12 |
| | | | |
| BT50-DC06-120 | 120 | 14 | 1-6 |
| BT50-DC06-150 | 150 | 14 | 1-6 |
| BT50-DC08-120 | 120 | 22 | 1-10 |
| BT50-DC08-150 | 150 | 22 | 1-10 |
| BT50-DC08-200 | 200 | 22 | 1-10 |
| BT50-DC12-120 | 120 | 34 | 1-12 |
| BT50-DC12-150 | 150 | 34 | 1-12 |
| BT50-DC12-200 | 200 | 34 | 1-12 |

BT

## Precision Screw Collet Chuck
## NDC 后拉刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



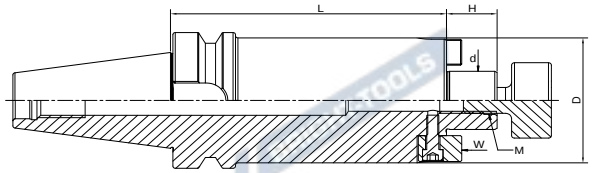



| Size | D | D1 | L | L1 | L2 | L3 |
|---|---|---|---|---|---|---|
| BT30-NDC14-95 | 30 | 53 | 95 | 48 | 14 | 3 |
| BT30-NDC14-140 | 30 | 53 | 140 | 93 | 59 | 3 |
| BT30-NDC20-95 | 40 | 53 | 95 | 48 | 16 | 3 |
| | | | | | | |
| BT40-NDC14-75 | 30 | 53 | 75 | 48 | 14 | 3 |
| BT40-NDC14-120 | 30 | 53 | 120 | 93 | 59 | 3 |
| BT40-NDC20-75 | 40 | 63 | 75 | 48 | 16 | 3 |
| BT40-NDC20-120 | 40 | 63 | 120 | 93 | 65 | 3 |
| BT40-NDC32-115 | 63 | 63 | 115 | 88 | 84.5 | 3.5 |
| | | | | | | |
| BT50-NDC20-130 | 55 | 70 | 130 | 92 | 73 | 3 |
| BT50-NDC32-150 | 70 | 70 | 150 | 112 | 108.5 | 3.5 |

# Face Mill Holder Inch
# 英制面铣刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G6.3/15000 | AD |





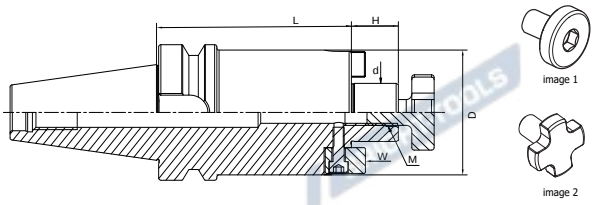

| Size | d | L | D | H | M |
|---|---|---|---|---|---|
| BT40-FMA3/4"-40 | 3/4" | 40 | 42.926 | 17.45 | 3/8-24 |
| BT40-FMA1"-40 | 1" | 40 | 55.626 | 17.45 | 1/2-20 |
| BT40-FMA1-1/4"-50 | 1-1/4" | 50 | 69.85 | 17.45 | 5/8-18 |
| BT40-FMA1-1/2"-50 | 1-1/2" | 50 | 78 | 23.83 | 3/4-16 |
| BT40-FMA3/4"-100 | 3/4" | 100 | 42.926 | 17.45 | 3/8-24 |
| BT40-FMA1"-100 | 1" | 100 | 55.626 | 17.45 | 1/2-20 |
| BT40-FMA1-1/4"-100 | 1-1/4" | 100 | 69.85 | 17.45 | 5/8-18 |
| BT40-FMA1-1/2"-100 | 1-1/2" | 100 | 78 | 23.83 | 3/4-16 |
| BT40-FMA3/4"-150 | 3/4" | 150 | 42.926 | 17.45 | 3/8-24 |
| BT40-FMA1"-150 | 1" | 150 | 55.626 | 17.45 | 1/2-20 |
| BT40-FMA1-1/4"-150 | 1-1/4" | 150 | 69.85 | 17.45 | 5/8-18 |
| BT40-FMA1-1/2"-150 | 1-1/2" | 150 | 78 | 23.83 | 3/4-16 |
| | | | | | |
| BT50-FMA3/4"-40 | 3/4" | 40 | 42.926 | 17.45 | 3/8-24 |
| BT50-FMA1"-40 | 1" | 40 | 55.626 | 17.45 | 1/2-20 |
| BT50-FMA1-1/4"-50 | 1-1/4" | 50 | 69.85 | 17.45 | 5/8-18 |
| BT50-FMA1-1/2"-50 | 1-1/2" | 50 | 78 | 23.83 | 3/4-16 |
| BT50-FMA3/4"-100 | 3/4" | 100 | 42.926 | 17.45 | 3/8-24 |
| BT50-FMA1"-100 | 1" | 100 | 55.626 | 17.45 | 1/2-20 |
| BT50-FMA1-1/4"-100 | 1-1/4" | 100 | 69.85 | 17.45 | 5/8-18 |
| BT50-FMA1-1/2"-100 | 1-1/2" | 100 | 78 | 23.83 | 3/4-16 |
| BT50-FMA3/4"-150 | 3/4" | 150 | 42.926 | 17.45 | 3/8-24 |
| BT50-FMA1"-150 | 1" | 150 | 55.626 | 17.45 | 1/2-20 |
| BT50-FMA1-1/4"-150 | 1-1/4" | 150 | 69.85 | 17.45 | 5/8-18 |
| BT50-FMA1-1/2"-150 | 1-1/2" | 150 | 78 | 23.83 | 3/4-16 |

BT

# Face Mill Holder
# 面铣刀柄

| DIN6357 | A ↗ ≤0.005 | RPM G6.3/15000 | AD |
|---|---|---|---|






| Size | d | L | D | H | M |
|---|---|---|---|---|---|
| BT30-FMB16-40 | 16 | 40 | 38 | 17 | M8 |
| BT30-FMB22-40 | 22 | 40 | 48 | 19 | M10 |
| BT30-FMB27-40 | 27 | 40 | 58 | 21 | M12 |
| BT30-FMB32-50 | 32 | 50 | 78 | 24 | M16 |
| | | | | | |
| BT40-FMB16-40 | 16 | 40 | 38 | 17 | M8 |
| BT40-FMB22-40 | 22 | 40 | 48 | 19 | M10 |
| BT40-FMB27-40 | 27 | 40 | 58 | 21 | M12 |
| BT40-FMB32-50 | 32 | 50 | 78 | 24 | M16 |
| BT40-FMB22-60 | 22 | 60 | 48 | 19 | M10 |
| BT40-FMB27-60 | 27 | 60 | 58 | 21 | M12 |
| BT40-FMB32-60 | 32 | 60 | 78 | 24 | M16 |
| BT40-FMB16-100 | 16 | 100 | 38 | 17 | M8 |
| BT40-FMB22-100 | 22 | 100 | 48 | 19 | M10 |
| BT40-FMB27-100 | 27 | 100 | 58 | 21 | M12 |
| BT40-FMB32-100 | 32 | 100 | 78 | 24 | M16 |
| BT40-FMB16-160 | 16 | 160 | 38 | 17 | M8 |
| BT40-FMB22-160 | 22 | 160 | 48 | 19 | M10 |
| BT40-FMB27-160 | 27 | 160 | 58 | 21 | M12 |
| BT40-FMB32-160 | 32 | 160 | 78 | 24 | M16 |
| BT40-FMB40-160 | 40 | 160 | 88 | 27 | M20 |
| BT40-FMB22-200 | 22 | 200 | 48 | 19 | M10 |
| BT40-FMB27-200 | 27 | 200 | 58 | 21 | M12 |
| BT40-FMB32-200 | 32 | 200 | 78 | 24 | M16 |
| BT40-FMB22-250 | 22 | 250 | 48 | 19 | M10 |
| BT40-FMB22-300 | 22 | 300 | 48 | 19 | M10 |

Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国市场面铣刀柄标配圆头螺钉 ( 图 1)，其他国家标配十字花螺钉 ( 图 2).

AD/B Customized
AD/B 可定制

# Face Mill Holder
# 面铣刀柄

| DIN6357 | A ↗ ≤0.005 | RPM G6.3/15000 | AD |
|---|---|---|---|



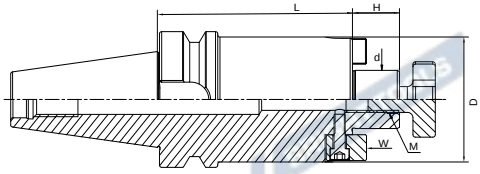




image 1

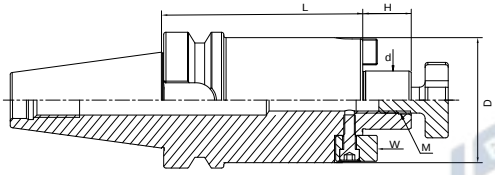

image 2

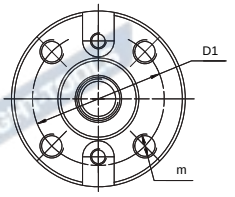
| Size | d | L | D | H | M |
|---|---|---|---|---|---|
| BT50-FMB16-40 | 16 | 40 | 38 | 17 | M8 |
| BT50-FMB22-40 | 22 | 40 | 48 | 19 | M10 |
| BT50-FMB27-40 | 27 | 40 | 58 | 21 | M12 |
| BT50-FMB32-50 | 32 | 50 | 78 | 24 | M16 |
| BT50-FMB22-60 | 22 | 60 | 48 | 19 | M10 |
| BT50-FMB27-60 | 27 | 60 | 58 | 21 | M12 |
| BT50-FMB32-60 | 32 | 60 | 78 | 24 | M16 |
| BT50-FMB16-100 | 16 | 100 | 38 | 17 | M8 |
| BT50-FMB22-100 | 22 | 100 | 48 | 19 | M10 |
| BT50-FMB27-100 | 27 | 100 | 58 | 21 | M12 |
| BT50-FMB32-100 | 32 | 100 | 78 | 24 | M16 |
| BT50-FMB22-160 | 22 | 160 | 48 | 19 | M10 |
| BT50-FMB27-160 | 27 | 160 | 58 | 21 | M12 |
| BT50-FMB32-160 | 32 | 160 | 78 | 24 | M16 |
| BT50-FMB22-200 | 22 | 200 | 48 | 19 | M10 |
| BT50-FMB27-200 | 27 | 200 | 58 | 21 | M12 |
| BT50-FMB32-200 | 32 | 200 | 78 | 24 | M16 |
| BT50-FMB22-250 | 22 | 250 | 48 | 19 | M10 |
| BT50-FMB27-250 | 27 | 250 | 58 | 21 | M12 |
| BT50-FMB32-250 | 32 | 250 | 78 | 24 | M16 |
| BT50-FMB22-300 | 22 | 300 | 48 | 19 | M10 |
| BT50-FMB27-300 | 27 | 300 | 58 | 21 | M12 |
| BT50-FMB32-300 | 32 | 300 | 78 | 24 | M16 |
| BT50-FMB22-100 | 22 | 100 | 60 | 19 | M10 |
| BT50-FMB22-150 | 22 | 150 | 60 | 19 | M10 |
| BT50-FMB22-200 | 22 | 200 | 60 | 19 | M10 |
| BT50-FMB22-250 | 22 | 250 | 60 | 19 | M10 |
| BT50-FMB22-300 | 22 | 300 | 60 | 19 | M10 |
| | | | | | |
| BT60-FMB22-100 | 22 | 100 | 48 | 19 | M10 |
| BT60-FMB27-100 | 27 | 100 | 58 | 21 | M12 |
| BT60-FMB32-100 | 32 | 100 | 78 | 24 | M16 |
| | | | | | |
| BT60-FMB22-160 | 22 | 160 | 48 | 19 | M10 |

# Face Mill Holder
# 面铣刀柄

| DIN6357 | A ↗ ≤0.005 | RPM G6.3/15000 | AD |
|---|---|---|---|






| Size | d | L | D | D1 | H | M | m |
|---|---|---|---|---|---|---|---|
| BT40-FMB40-50 | 40 | 50 | 88 | 66.7 | 27 | M20 | M12 |
| BT40-FMB40-60 | 40 | 60 | 88 | 66.7 | 27 | M20 | M12 |
| BT40-FMB40-100 | 40 | 100 | 88 | 66.7 | 27 | M20 | M12 |
| BT40-FMB40-200 | 40 | 200 | 88 | 66.7 | 27 | M20 | M12 |
| | | | | | | | |
| BT50-FMB40-50 | 40 | 50 | 88 | 66.7 | 27 | M20 | M12 |
| BT50-FMB40-60 | 40 | 60 | 88 | 66.7 | 27 | M20 | M12 |
| BT50-FMB60-75 | 60 | 75 | 129 | 101.6 | 25 | M30 | M16 |
| BT50-FMB40-100 | 40 | 100 | 88 | 66.7 | 27 | M20 | M12 |
| BT50-FMB40-160 | 40 | 160 | 88 | 66.7 | 27 | M20 | M12 |
| BT50-FMB40-200 | 40 | 200 | 88 | 66.7 | 27 | M20 | M12 |
| BT50-FMB40-250 | 40 | 250 | 88 | 66.7 | 27 | M20 | M12 |
| BT50-FMB40-300 | 40 | 300 | 88 | 66.7 | 27 | M20 | M12 |
| | | | | | | | |
| BT60-FMB40-100 | 40 | 100 | 88 | 66.7 | 27 | M20 | M12 |
| BT60-FMB60-75 | 60 | 75 | 129 | 101.6 | 25 | M30 | M16 |

FMB40 tool holder is with one retaining screw (image 2) . but it is with one universal screw (image 1) in China.
FMB40 刀柄中国市场面铣刀柄标配圆头螺钉 ( 图 1)，其他国家标配十字花螺钉 ( 图 2).

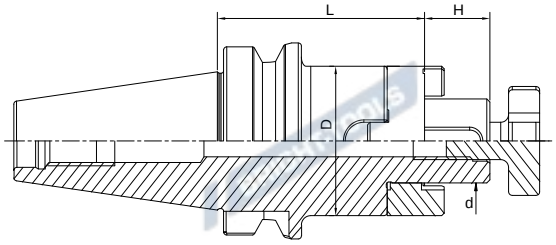
FMB60 tool holder with 4 cap screws only.
FMB60 刀柄标配 4 个内六角螺钉 .

AD/B Customized
AD/B 可定制

# Combi Shell Mill Holder
# 混合插入式铣刀柄

| DIN6358 | A ↗ ≤0.005 | RPM G6.3/15000 | AD |
|---|---|---|---|





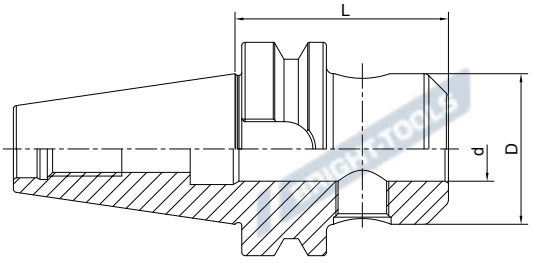

| Size | d | D | H | L |
|---|---|---|---|---|
| BT40-SEMC16-55 | 16 | 32 | 17 | 55 |
| BT40-SEMC22-55 | 22 | 40 | 19 | 55 |
| BT40-SEMC27-55 | 27 | 48 | 21 | 55 |
| BT40-SEMC32-60 | 32 | 58 | 24 | 60 |
| BT40-SEMC40-60 | 40 | 70 | 27 | 60 |
| | | | | |
| BT40-SEMC16-100 | 16 | 32 | 17 | 100 |
| BT40-SEMC22-100 | 22 | 40 | 19 | 100 |
| BT40-SEMC27-100 | 27 | 48 | 21 | 100 |
| BT40-SEMC32-100 | 32 | 58 | 24 | 100 |
| BT40-SEMC40-100 | 40 | 70 | 27 | 100 |
| | | | | |
| BT40-SEMC16-160 | 16 | 32 | 17 | 160 |
| BT40-SEMC22-160 | 22 | 40 | 19 | 160 |
| BT40-SEMC27-160 | 27 | 48 | 21 | 160 |
| BT40-SEMC32-160 | 32 | 58 | 24 | 160 |
| BT40-SEMC40-160 | 40 | 70 | 27 | 160 |
| | | | | |
| BT50-SEMC16-70 | 16 | 32 | 17 | 70 |
| BT50-SEMC22-70 | 22 | 40 | 19 | 70 |
| BT50-SEMC27-70 | 27 | 48 | 21 | 70 |
| BT50-SEMC32-70 | 32 | 58 | 24 | 70 |
| BT50-SEMC40-70 | 40 | 70 | 27 | 70 |
| | | | | |
| BT50-SEMC16-100 | 16 | 32 | 17 | 100 |
| BT50-SEMC22-100 | 22 | 40 | 19 | 100 |
| BT50-SEMC27-100 | 27 | 48 | 21 | 100 |
| BT50-SEMC32-100 | 32 | 58 | 24 | 100 |
| BT50-SEMC40-100 | 40 | 70 | 27 | 100 |
| | | | | |
| BT50-SEMC16-160 | 16 | 32 | 17 | 160 |
| BT50-SEMC22-160 | 22 | 40 | 19 | 160 |
| BT50-SEMC27-160 | 27 | 48 | 21 | 160 |
| BT50-SEMC32-160 | 32 | 58 | 24 | 160 |
| BT50-SEMC40-160 | 40 | 70 | 27 | 160 |

BT

## End Mill Holder Weldon
## 侧固刀柄

| DIN6359/1835B | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G6.3/15000 | AD |






| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| BT30-SLA06-50 | 6 | 25 | 50 | M6 | 1 |
| BT30-SLA08-50 | 8 | 28 | 50 | M8 | 1 |
| BT30-SLA10-50 | 10 | 35 | 50 | M10 | 1 |
| BT30-SLA12-50 | 12 | 42 | 50 | M12 | 1 |
| BT30-SLA14-50 | 14 | 44 | 50 | M12 | 1 |
| BT30-SLA16-63 | 16 | 48 | 63 | M14 | 1 |
| BT30-SLA18-63 | 18 | 50 | 63 | M14 | 1 |
| BT30-SLA20-63 | 20 | 52 | 63 | M16 | 1 |
| BT30-SLA25-90 | 25 | 65 | 90 | M18*2 | 2 |
| | | | | | |
| BT40-SLA06-50 | 6 | 25 | 50 | M6 | 1 |
| BT40-SLA08-50 | 8 | 28 | 50 | M8 | 1 |
| BT40-SLA10-63 | 10 | 35 | 63 | M10 | 1 |
| BT40-SLA12-63 | 12 | 42 | 63 | M12 | 1 |
| BT40-SLA14-63 | 14 | 44 | 63 | M12 | 1 |
| BT40-SLA16-63 | 16 | 48 | 63 | M14 | 1 |
| BT40-SLA18-63 | 18 | 50 | 63 | M14 | 1 |
| BT40-SLA20-63 | 20 | 52 | 63 | M16 | 1 |
| BT40-SLA25-90 | 25 | 65 | 90 | M18*2 | 2 |
| BT40-SLA32-100 | 32 | 72 | 100 | M20*2 | 2 |
| BT40-SLA40-120 | 40 | 80 | 120 | M20*2 | 2 |
| | | | | | |
| BT40-SLA06-100 | 6 | 25 | 100 | M6 | 1 |
| BT40-SLA08-100 | 8 | 28 | 100 | M8 | 1 |
| BT40-SLA10-100 | 10 | 35 | 100 | M10 | 1 |
| BT40-SLA12-100 | 12 | 42 | 100 | M12 | 1 |
| BT40-SLA14-100 | 14 | 44 | 100 | M12 | 1 |
| BT40-SLA16-100 | 16 | 48 | 100 | M14 | 1 |
| BT40-SLA18-100 | 18 | 50 | 100 | M14 | 1 |
| BT40-SLA20-100 | 20 | 52 | 100 | M16 | 1 |

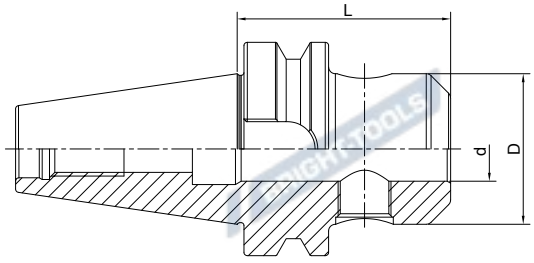
AD/B Customized

AD/B 可定制

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ ≤0.005 | RPM G6.3/15000 | AD |
|---|---|---|---|






| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| BT40-SLA06-160 | 6 | 25 | 160 | M6 | 1 |
| BT40-SLA08-160 | 8 | 28 | 160 | M8 | 1 |
| BT40-SLA10-160 | 10 | 35 | 160 | M10 | 1 |
| BT40-SLA12-160 | 12 | 42 | 160 | M12 | 1 |
| BT40-SLA14-160 | 14 | 44 | 160 | M12 | 1 |
| BT40-SLA16-160 | 16 | 48 | 160 | M14 | 1 |
| BT40-SLA18-160 | 18 | 50 | 160 | M14 | 1 |
| BT40-SLA20-160 | 20 | 52 | 160 | M16 | 1 |
| BT40-SLA25-160 | 25 | 65 | 160 | M18*2 | 2 |
| BT40-SLA32-160 | 32 | 72 | 160 | M20*2 | 2 |
| BT40-SLA40-160 | 40 | 80 | 160 | M20*2 | 2 |
| | | | | | |
| BT50-SLA06-63 | 6 | 25 | 63 | M6 | 1 |
| BT50-SLA08-63 | 8 | 28 | 63 | M8 | 1 |
| BT50-SLA10-63 | 10 | 35 | 63 | M10 | 1 |
| BT50-SLA12-80 | 12 | 42 | 80 | M12 | 1 |
| BT50-SLA14-80 | 14 | 44 | 80 | M12 | 1 |
| BT50-SLA16-80 | 16 | 48 | 80 | M14 | 1 |
| BT50-SLA18-80 | 18 | 50 | 80 | M14 | 1 |
| BT50-SLA20-80 | 20 | 52 | 80 | M16 | 1 |
| BT50-SLA25-100 | 25 | 65 | 100 | M18*2 | 2 |
| BT50-SLA32-105 | 32 | 72 | 105 | M20*2 | 2 |
| BT50-SLA40-110 | 40 | 80 | 110 | M20*2 | 2 |
| BT50-SLA50-125 | 50 | 98 | 125 | M24*2 | 2 |

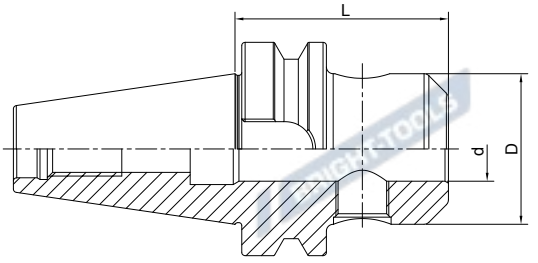
AD/B Customized

AD/B 可定制

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G6.3/15000 | AD |






| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| BT50-SLA06-160 | 6 | 25 | 160 | M6 | 1 |
| BT50-SLA08-160 | 8 | 28 | 160 | M8 | 1 |
| BT50-SLA10-160 | 10 | 35 | 160 | M10 | 1 |
| BT50-SLA12-160 | 12 | 42 | 160 | M12 | 1 |
| BT50-SLA14-160 | 14 | 44 | 160 | M12 | 1 |
| BT50-SLA16-160 | 16 | 48 | 160 | M14 | 1 |
| BT50-SLA18-160 | 18 | 50 | 160 | M14 | 1 |
| BT50-SLA20-160 | 20 | 52 | 160 | M16 | 1 |
| BT50-SLA25-160 | 25 | 65 | 160 | M18*2 | 2 |
| BT50-SLA32-160 | 32 | 72 | 160 | M20*2 | 2 |
| BT50-SLA40-160 | 40 | 80 | 160 | M20*2 | 2 |
| | | | | | |
| BT60-SLA25-100 | 25 | 65 | 100 | M18*2 | 2 |
| BT60-SLA32-105 | 32 | 72 | 105 | M20*2 | 2 |
| BT60-SLA40-110 | 40 | 80 | 110 | M20*2 | 2 |
| BT60-SLA50-125 | 50 | 98 | 125 | M24*2 | 2 |

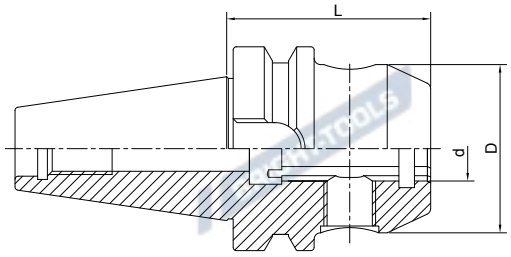
AD/B Customized

AD/B 可定制

## End Mill Holder with Coolant Channels
## 侧固刀柄，端面出水型

| | A ↗ | RPM | |
|---|---|---|---|
| DIN6359/1835B | ≤0.005 | G6.3/15000 | AD |






| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| BT40-SLA06-50K | 6 | 25 | 50 | M6 | 1 |
| BT40-SLA08-50K | 8 | 28 | 50 | M8 | 1 |
| BT40-SLA10-63K | 10 | 35 | 63 | M10 | 1 |
| BT40-SLA12-63K | 12 | 42 | 63 | M12 | 1 |
| BT40-SLA14-63K | 14 | 44 | 63 | M12 | 1 |
| BT40-SLA16-63K | 16 | 48 | 63 | M14 | 1 |
| BT40-SLA18-63K | 18 | 50 | 63 | M14 | 1 |
| BT40-SLA20-63K | 20 | 52 | 63 | M16 | 1 |
| BT40-SLA25-90K | 25 | 65 | 90 | M18*2 | 2 |
| BT40-SLA32-100K | 32 | 72 | 100 | M20*2 | 2 |
| BT40-SLA40-120K | 40 | 80 | 120 | M20*2 | 2 |
| | | | | | |
| BT40-SLA06-100K | 6 | 25 | 100 | M6 | 1 |
| BT40-SLA08-100K | 8 | 28 | 100 | M8 | 1 |
| BT40-SLA10-100K | 10 | 35 | 100 | M10 | 1 |
| BT40-SLA12-100K | 12 | 42 | 100 | M12 | 1 |
| BT40-SLA14-100K | 14 | 44 | 100 | M12 | 1 |
| BT40-SLA16-100K | 16 | 48 | 100 | M14 | 1 |
| BT40-SLA18-100K | 18 | 50 | 100 | M14 | 1 |
| BT40-SLA20-100K | 20 | 52 | 100 | M16 | 1 |

AD/B Customized

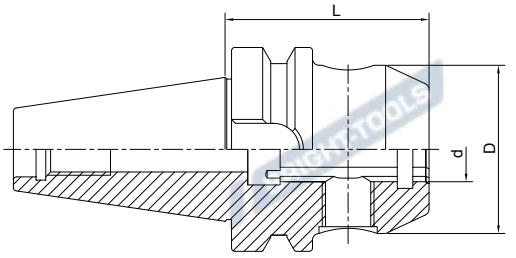
AD/B 可定制

BT

## End Mill Holder with Coolant Channels
## 侧固刀柄，端面出水型

| DIN6359/1835B | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G6.3/15000 | AD |






| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| BT50-SLA06-63K | 6 | 25 | 63 | M6 | 1 |
| BT50-SLA08-63K | 8 | 28 | 63 | M8 | 1 |
| BT50-SLA10-63K | 10 | 35 | 63 | M10 | 1 |
| BT50-SLA12-80K | 12 | 42 | 80 | M12 | 1 |
| BT50-SLA14-80K | 14 | 44 | 80 | M12 | 1 |
| BT50-SLA16-80K | 16 | 48 | 80 | M14 | 1 |
| BT50-SLA18-80K | 18 | 50 | 80 | M14 | 1 |
| BT50-SLA20-80K | 20 | 52 | 80 | M16 | 1 |
| BT50-SLA25-100K | 25 | 65 | 100 | M18*2 | 2 |
| BT50-SLA32-105K | 32 | 72 | 105 | M20*2 | 2 |
| BT50-SLA40-110K | 40 | 80 | 110 | M20*2 | 2 |
| | | | | | |
| BT50-SLA06-100K | 6 | 25 | 100 | M6 | 1 |
| BT50-SLA08-100K | 8 | 28 | 100 | M8 | 1 |
| BT50-SLA10-100K | 10 | 35 | 100 | M10 | 1 |
| BT50-SLA12-100K | 12 | 42 | 100 | M12 | 1 |
| BT50-SLA14-100K | 14 | 44 | 100 | M12 | 1 |
| BT50-SLA16-100K | 16 | 48 | 100 | M14 | 1 |
| BT50-SLA18-100K | 18 | 50 | 100 | M14 | 1 |
| BT50-SLA20-100K | 20 | 52 | 100 | M16 | 1 |

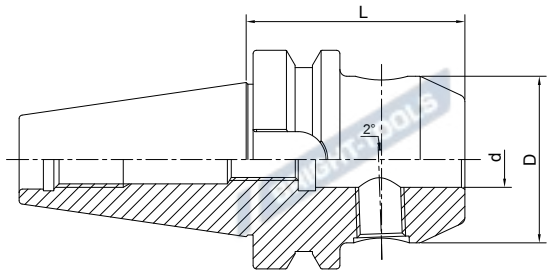
AD/B Customized

AD/B 可定制

## End Mill Holder Whistle Notch
## 侧固式铣刀柄，斜 2 度

| | A | RPM | |
|---|---|---|---|
| DIN1835E | ≤0.005 | G6.3/15000 | AD |






| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| BT40-SLB06-50 | 6 | 25 | 50 | M6 | 1 |
| BT40-SLB08-50 | 8 | 28 | 50 | M8 | 1 |
| BT40-SLB10-63 | 10 | 35 | 63 | M10 | 1 |
| BT40-SLB12-63 | 12 | 42 | 63 | M12 | 1 |
| BT40-SLB14-63 | 14 | 44 | 63 | M12 | 1 |
| BT40-SLB16-63 | 16 | 48 | 63 | M14 | 1 |
| BT40-SLB18-63 | 18 | 50 | 63 | M14 | 1 |
| BT40-SLB20-63 | 20 | 52 | 63 | M16 | 1 |
| BT40-SLB25-90 | 25 | 65 | 90 | M18*2 | 2 |
| BT40-SLB32-100 | 32 | 72 | 100 | M20*2 | 2 |
| BT40-SLB40-120 | 40 | 80 | 120 | M20*2 | 2 |
| | | | | | |
| BT50-SLB06-63 | 6 | 25 | 63 | M6 | 1 |
| BT50-SLB08-63 | 8 | 28 | 63 | M8 | 1 |
| BT50-SLB10-63 | 10 | 35 | 63 | M10 | 1 |
| BT50-SLB12-80 | 12 | 42 | 80 | M12 | 1 |
| BT50-SLB14-80 | 14 | 44 | 80 | M12 | 1 |
| BT50-SLB16-80 | 16 | 48 | 80 | M14 | 1 |
| BT50-SLB18-80 | 18 | 50 | 80 | M14 | 1 |
| BT50-SLB20-80 | 20 | 52 | 80 | M16 | 1 |
| BT50-SLB25-100 | 25 | 65 | 100 | M18*2 | 2 |
| BT50-SLB32-105 | 32 | 72 | 105 | M20*2 | 2 |
| BT50-SLB40-110 | 40 | 80 | 110 | M20*2 | 2 |

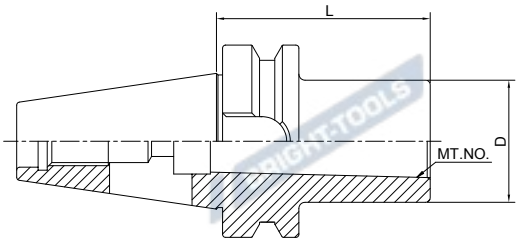
AD/B Customized

AD/B 可定制

## Morse Taper Adapter with Tang
## 带扁尾莫氏刀柄

| DIN6383 | A ↗ ≤0.005 | RPM G6.3/15000 |
|---|---|---|



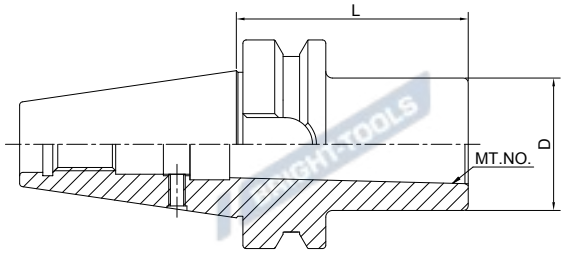



| Size | MT.NO. | D | L |
|---|---|---|---|
| BT30-MTA1-45 | 1 | 25 | 45 |
| BT30-MTA2-60 | 2 | 32 | 60 |
| BT30-MTA3-75 | 3 | 40 | 75 |
| BT40-MTA1-50 | 1 | 25 | 50 |
| BT40-MTA2-50 | 2 | 32 | 50 |
| BT40-MTA3-70 | 3 | 40 | 70 |
| BT40-MTA4-95 | 4 | 48 | 95 |
| | | | |
| BT50-MTA1-45 | 1 | 25 | 45 |
| BT50-MTA2-60 | 2 | 32 | 60 |
| BT50-MTA3-65 | 3 | 40 | 65 |
| BT50-MTA3-180 | 3 | 40 | 180 |
| BT50-MTA4-95 | 4 | 48 | 95 |
| BT50-MTA4-180 | 4 | 48 | 180 |
| BT50-MTA5-105 | 5 | 63 | 105 |
| | | | |
| BT60-MTA3-65 | 3 | 40 | 65 |
| BT60-MTA4-95 | 4 | 48 | 95 |
| BT60-MTA5-105 | 5 | 63 | 105 |
| BT60-MTA6-170 | 6 | 85 | 170 |

# Morse Taper Adapter with Drawbar
## 带螺纹孔莫氏刀柄

| DIN6364 | A ↗ | RPM |
|---|---|---|
| | ≤0.005 | G6.3/15000 |



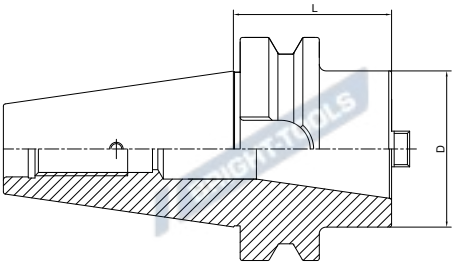



| Size | MT.NO. | D | L |
|---|---|---|---|
| BT40-MTB1-50 | 1 | 25 | 50 |
| BT40-MTB2-50 | 2 | 32 | 50 |
| BT40-MTB3-70 | 3 | 40 | 70 |
| BT40-MTB4-95 | 4 | 48 | 95 |
| | | | |
| BT50-MTB1-45 | 1 | 25 | 45 |
| BT50-MTB2-60 | 2 | 32 | 60 |
| BT50-MTB3-65 | 3 | 40 | 65 |
| BT50-MTB4-70 | 4 | 48 | 70 |
| BT50-MTB5-120 | 5 | 63 | 120 |
| | | | |
| BT60-MTB2-60 | 2 | 32 | 60 |
| BT60-MTB3-65 | 3 | 40 | 65 |
| BT60-MTB4-70 | 4 | 48 | 70 |
| BT60-MTB5-120 | 5 | 63 | 120 |
| BT60-MTB6-150 | 6 | 85 | 150 |

## Tool Holder Adapter Sleeve
## 转换刀柄

| A ↗ | RPM |
|---|---|
| ≤0.005 | G6.3/15000 |



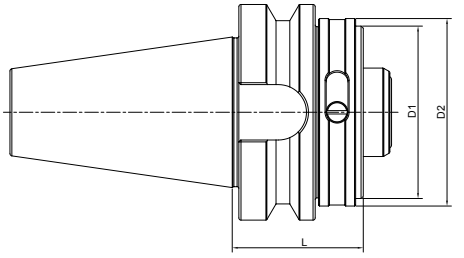



| Size | D | L |
|---|---|---|
| BT40-BT30-60 | 63 | 60 |
| BT40-BT40-100 | 63 | 100 |
| | | |
| BT50-BT40-70 | 70 | 70 |
| BT50-BT50-120 | 97 | 120 |

## Tool Holder Adapter Sleeve
## 转换刀柄

| A ↗ | |
|---|---|
| ≤0.005 | AD |



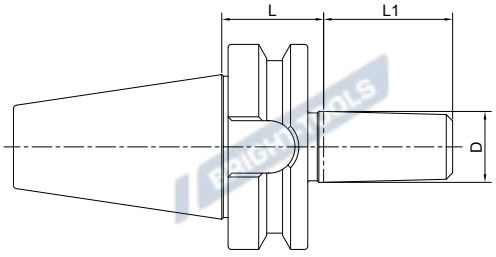



| Size | D1 | D2 | L |
|---|---|---|---|
| BT30-HSK32C-40 | 32 | 37 | 40 |
| BT30-HSK40C-40 | 40 | 45 | 40 |
| | | | |
| BT40-HSK32C-40 | 32 | 37 | 40 |
| BT40-HSK40C-40 | 40 | 45 | 40 |
| BT40-HSK50C-50 | 50 | 55 | 50 |
| BT40-HSK63C-70 | 63 | 70 | 70 |
| | | | |
| BT50-HSK32C-50 | 32 | 37 | 50 |
| BT50-HSK40C-50 | 40 | 45 | 50 |
| BT50-HSK50C-60 | 50 | 55 | 60 |
| BT50-HSK63C-60 | 63 | 70 | 60 |
| BT50-HSK80C-60 | 80 | 87 | 60 |
| BT50-HSK100C-90 | 100 | 110 | 90 |

## Drill Chuck Adapter
## 钻接杆

| DIN238 | A ↗ | RPM |
|---|---|---|
| | ≤0.005 | G6.3/15000 |

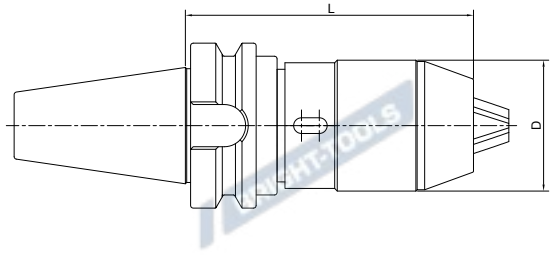





| Size | D | L | L1 |
|---|---|---|---|
| BT30-B12-25 | B12 | 25 | 18.5 |
| BT30-B16-25 | B16 | 25 | 24 |
| | | | |
| BT40-B12-32 | B12 | 32 | 18.5 |
| BT40-B16-32 | B16 | 32 | 24 |
| BT40-B18-32 | B18 | 32 | 32 |
| BT40-B22-32 | B22 | 32 | 40.5 |
| | | | |
| BT50-B16-45 | B16 | 45 | 24 |
| BT50-B18-45 | B18 | 45 | 32 |
| BT50-B22-45 | B22 | 45 | 40.5 |

## APU Drill Chuck Holder
## APU 钻夹头刀柄



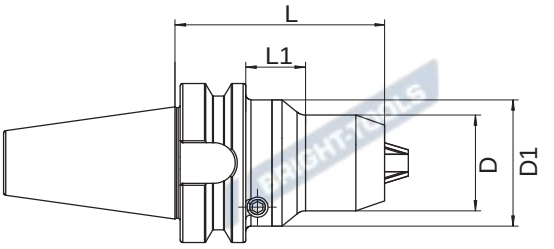



| Size | D | L | Capacity |
|---|---|---|---|
| BT30-APU08-80 | 36 | 80 | 1-8 |
| BT30-APU13-110 | 48 | 110 | 1-13 |
| | | | |
| BT40-APU08-85 | 36 | 85 | 1-8 |
| BT40-APU13-105 | 48 | 105 | 1-13 |
| BT40-APU16-110 | 53 | 110 | 3-16 |
| | | | |
| BT50-APU08-90 | 36 | 90 | 1-8 |
| BT50-APU13-105 | 48 | 105 | 1-13 |
| BT50-APU16-115 | 53 | 115 | 3-16 |

## Precision Drill Chuck Holder
## 精密钻夹头刀柄

| A ↗ | RPM |
|---|---|
| ≤0.03 | G6.3/15000 |

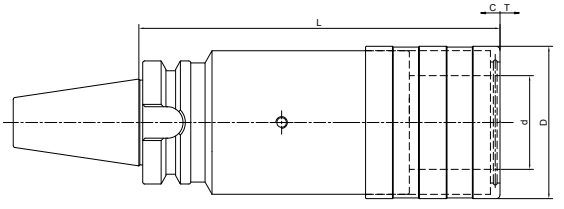





| Size | D | D1 | L | L1 | Capacity |
|---|---|---|---|---|---|
| BT30-CPU10-90 | 38 | 50 | 90 | 26 | 1-10 |
| BT40-CPU10-80 | 38 | 50 | 80 | 21 | 1-10 |
| BT40-CPU13-90 | 50 | - | 90 | - | 1-13 |
| BT40-CPU16-90 | 50 | - | 90 | - | 1-16 |
| | | | | | |
| BT50-CPU13-100 | 50 | - | 100 | - | 1-13 |
| BT50-CPU16-100 | 50 | - | 100 | - | 1-16 |

## Quick Change Tapping Chuck with Length Compensation
## 弹性快换攻丝刀柄



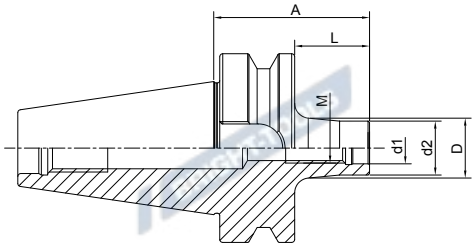



| Size | d | D | L | T | C |
|---|---|---|---|---|---|
| BT30-TC312-70 | 19 | 38 | 70 | 7.5 | 7.5 |
| BT30-TC820-95 | 31 | 54 | 95 | 12.5 | 12.5 |
| | | | | | |
| BT40-TC312-65 | 19 | 38 | 65 | 7.5 | 7.5 |
| BT40-TC820-93 | 31 | 53 | 93 | 12.5 | 12.5 |
| BT40-TC1433-166 | 48 | 78 | 166 | 22 | 22 |
| | | | | | |
| BT50-TC312-100 | 19 | 38 | 100 | 7.5 | 7.5 |
| BT50-TC820-100 | 31 | 53 | 100 | 12.5 | 12.5 |
| BT50-TC1433-142 | 48 | 78 | 142 | 22 | 22 |

# Screw-in Milling Cutter Holder
# 锁牙刀柄，锥柄型

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G6.3/15000 | AD |



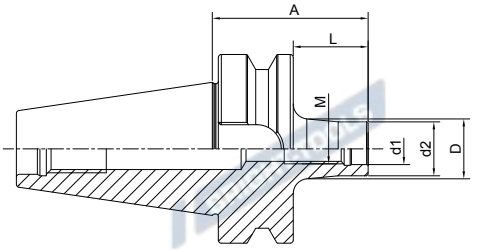



| Size | M | d1 | d2 | A | L | D |
|---|---|---|---|---|---|---|
| BT40-SOM08-52 L=25 | 8 | 8.5 | 14.5 | 52 | 25 | 15 |
| BT40-SOM08-77 L=50 | 8 | 8.5 | 14.5 | 77 | 50 | 23 |
| BT40-SOM08-102 L=75 | 8 | 8.5 | 14.5 | 102 | 75 | 23 |
| BT40-SOM08-127 L=100 | 8 | 8.5 | 14.5 | 127 | 100 | 25 |
| | | | | | | |
| BT40-SOM10-32 L=5 | 10 | 10.5 | 18 | 32 | 5 | 18 |
| BT40-SOM10-52 L=25 | 10 | 10.5 | 18 | 52 | 25 | 20 |
| BT40-SOM10-77 L-50 | 10 | 10.5 | 18 | 77 | 50 | 23 |
| BT40-SOM10-102 L=75 | 10 | 10.5 | 18 | 102 | 75 | 28 |
| BT40-SOM10-127 L=100 | 10 | 10.5 | 18 | 127 | 100 | 32 |
| BT40-SOM10-177 L=150 | 10 | 10.5 | 18 | 177 | 150 | 36.5 |
| | | | | | | |
| BT40-SOM12-32 L=5 | 12 | 12.5 | 21 | 32 | 5 | 21 |
| BT40-SOM12-52 L=25 | 12 | 12.5 | 21 | 52 | 25 | 24 |
| BT40-SOM12-77 L=50 | 12 | 12.5 | 21 | 77 | 50 | 24 |
| BT40-SOM12-102 L=75 | 12 | 12.5 | 21 | 102 | 75 | 31 |
| BT40-SOM12-127 L=100 | 12 | 12.5 | 21 | 127 | 100 | 31 |
| BT40-SOM12-152 L=125 | 12 | 12.5 | 21 | 152 | 125 | 36 |
| BT40-SOM12-177 L=150 | 12 | 12.5 | 21 | 177 | 150 | 38 |
| | | | | | | |
| BT40-SOM16-32 L=5 | 16 | 17 | 29 | 32 | 5 | 29 |
| BT40-SOM16-52 L=25 | 16 | 17 | 29 | 52 | 25 | 29 |
| BT40-SOM16-77 L=50 | 16 | 17 | 29 | 77 | 50 | 34 |
| BT40-SOM16-102 L=75 | 16 | 17 | 29 | 102 | 75 | 34 |
| BT40-SOM16-127 L=100 | 16 | 17 | 29 | 127 | 100 | 36 |
| BT40-SOM16-152 L=125 | 16 | 17 | 29 | 152 | 125 | 40 |
| BT40-SOM16-177 L=150 | 16 | 17 | 29 | 177 | 150 | 42.5 |
| | | | | | | |
| BT50-SOM08-88 L=50 | 8 | 8.5 | 14.5 | 88 | 50 | 23 |
| BT50-SOM08-138 L=100 | 8 | 8.5 | 14.5 | 138 | 100 | 25 |
| BT50-SOM08-188 L=150 | 8 | 8.5 | 14.5 | 188 | 150 | 30 |
| | | | | | | |
| BT50-SOM10-88 L=50 | 10 | 10.5 | 18 | 88 | 50 | 23 |
| BT50-SOM10-138 L=100 | 10 | 10.5 | 18 | 138 | 100 | 32 |
| BT50-SOM10-188 L=150 | 10 | 10.5 | 18 | 188 | 150 | 36.5 |

## Screw-inMilling Cutter Holder
## 锁牙刀柄，锥柄型

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G6.3/15000 | AD |



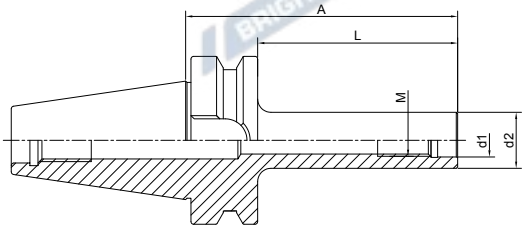



| Size | M | d1 | d2 | A | L | D |
|---|---|---|---|---|---|---|
| BT50-SOM12-88 L=50 | 12 | 12.5 | 21 | 88 | 50 | 24 |
| BT50-SOM12-138 L=100 | 12 | 12.5 | 21 | 138 | 100 | 33 |
| BT50-SOM12-188 L=150 | 12 | 12.5 | 21 | 188 | 150 | 40 |
| | | | | | | |
| BT50-SOM16-88 L=50 | 16 | 17 | 29 | 88 | 50 | 34 |
| BT50-SOM16-138 L=100 | 16 | 17 | 29 | 138 | 100 | 36 |
| BT50-SOM16-188 L=150 | 16 | 17 | 29 | 188 | 150 | 42.5 |

## Screw-in Milling Cutter Holder
## 锁牙刀柄，直柄型

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G6.3/15000 | AD |



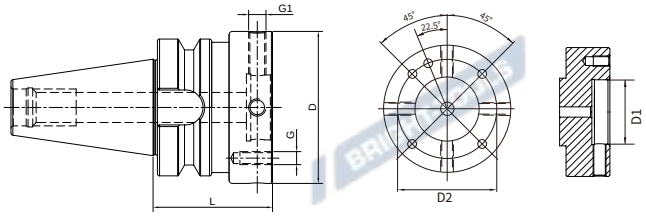



| Size | M | d1 | d2 | A | L |
|---|---|---|---|---|---|
| BT40-M10-102 L=75 | 10 | 10.5 | 18 | 102 | 75 |
| BT40-M10-127 L=100 | 10 | 10.5 | 18 | 127 | 100 |
| BT40-M10-177 L=150 | 10 | 10.5 | 18 | 177 | 150 |
| BT40-M12-102 L=75 | 12 | 12.5 | 21 | 102 | 75 |
| BT40-M12-127 L=100 | 12 | 12.5 | 21 | 127 | 100 |
| BT40-M12-152 L=125 | 12 | 12.5 | 21 | 152 | 125 |
| BT40-M12-177 L=150 | 12 | 12.5 | 21 | 177 | 150 |
| BT40-M16-102 L=75 | 16 | 17 | 29 | 102 | 75 |
| BT40-M16-127 L=100 | 16 | 17 | 29 | 127 | 100 |
| BT40-M16-152 L=125 | 16 | 17 | 29 | 152 | 125 |
| BT40-M16-177 L=150 | 16 | 17 | 29 | 177 | 150 |
| | | | | | |
| BT50-M10-138 L=100 | 10 | 10.5 | 18 | 138 | 100 |
| BT50-M10-188 L=150 | 10 | 10.5 | 18 | 188 | 150 |
| BT50-M12-138 L=100 | 12 | 12.5 | 21 | 138 | 100 |
| BT50-M12-188 L=150 | 12 | 12.5 | 21 | 188 | 150 |
| BT50-M16-138 L=100 | 16 | 17 | 29 | 138 | 100 |
| BT50-M16-188 L=150 | 16 | 17 | 29 | 188 | 150 |

# Runout Adjustable Flange Adapter
# 可调节精度法兰刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.002 | G2.5/25000 | AD |



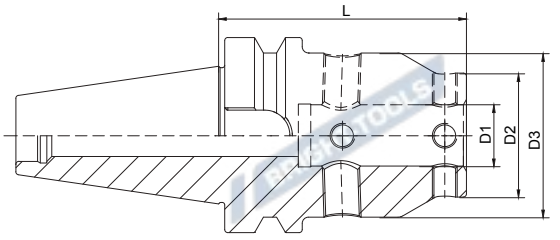



| Size | D | D1 | D2 | L | G | G1 |
|---|---|---|---|---|---|---|
| BT30-MOD060-050 | 60 | 30 | 44 | 50 | M5 | M8x1 |
| BT30-MOD070-050 | 70 | 35 | 53 | 50 | M6 | M8x1 |
| | | | | | | |
| BT40-MOD060-050 | 60 | 30 | 44 | 50 | M5 | M8x1 |
| BT40-MOD070-050 | 70 | 35 | 53 | 50 | M6 | M8x1 |
| BT40-MOD080-050 | 80 | 40 | 63 | 50 | M6 | M8x1 |
| BT40-MOD100-070 | 100 | 50 | 79 | 70 | M8 | M10x1 |
| | | | | | | |
| BT50-MOD060-070 | 60 | 30 | 44 | 70 | M5 | M8x1 |
| BT50-MOD070-070 | 70 | 35 | 53 | 70 | M6 | M8x1 |
| BT50-MOD080-070 | 80 | 40 | 63 | 70 | M6 | M8x1 |
| BT50-MOD100-070 | 100 | 50 | 79 | 70 | M8 | M10x1 |
| BT50-MOD117-080 | 117 | 60 | 96 | 80 | M8 | M10x1 |
| BT50-MOD140-080 | 140 | 80 | 119 | 80 | M10 | M10x1 |

## UM Adjustable Tool Holder
## UM 调零刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |

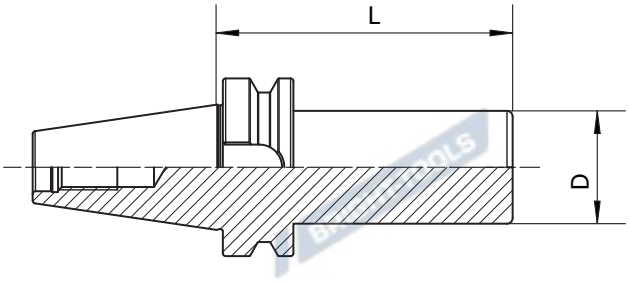





| Size | D1 | D2 | D3 | L |
|---|---|---|---|---|
| BT30-UM12-65 | 12 | 28 | 44.5 | 65 |
| BT30-UM16-75 | 16 | 32 | 48 | 75 |
| BT30-UM20-85 | 20 | 40 | 53 | 85 |
| BT30-UM25-95 | 25 | 48 | 63 | 95 |
| BT30-UM32-100 | 32 | 52 | 63 | 100 |
| | | | | |
| BT40-UM12-70 | 12 | 28 | 44.5 | 70 |
| BT40-UM16-70 | 16 | 32 | 48 | 70 |
| BT40-UM20-80 | 20 | 40 | 53 | 80 |
| BT40-UM25-100 | 25 | 48 | 63 | 100 |
| BT40-UM32-95 | 32 | 52 | 63 | 95 |
| | | | | |
| BT50-UM12-80 | 12 | 28 | 44.5 | 80 |
| BT50-UM16-85 | 16 | 32 | 48 | 85 |
| BT50-UM20-90 | 20 | 40 | 53 | 90 |
| BT50-UM25-105 | 25 | 48 | 63 | 105 |
| BT50-UM32-105 | 32 | 52 | 63 | 105 |

## Boring Bar Blank
## 基础柄



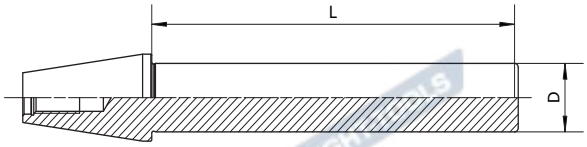



| Size | D | L |
|---|---|---|
| BT30-D50-160 | 50 | 160 |
| | | |
| BT40-D63-160 | 63 | 160 |
| BT40-D63-250 | 63 | 250 |
| | | |
| BT50-D100-160 | 100 | 160 |
| BT50-D100-250 | 100 | 250 |

## Test Arbor
## 主轴检测棒

A ↗
≤0.002

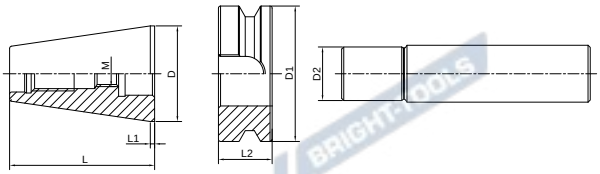





| Size | D | L |
|---|---|---|
| BT30-32-300 | 32 | 300 |
| BT40-40-300 | 40 | 300 |
| BT50-50-300 | 50 | 300 |

## Alignment Tool for ATC Arm
## 调整机械手用组合模具





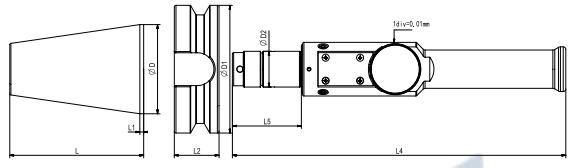

| Size | D | D1 | D2 | L | L1 | L2 |
|---|---|---|---|---|---|---|
| BT30-ATC-18D | 31.75 | 46 | 18 | 50.4 | 2 | 20 |
| BT40-ATC-20D | 44.45 | 63 | 20 | 67.4 | 2 | 25 |
| BT50-ATC-28D | 69.85 | 100 | 28 | 104.8 | 3 | 35 |

**Usage:**
1) Put the Taper to the machine Spindle
2) Install flange to the ATC arm
3) Insert Pin into the flange
4) Adjust ATC arm and make sure the pin front part into the flange completely.

使用方法：
1) 将锥度安装到机床主轴上
2) 将法兰安装到 ATC 臂上
3) 将销钉插入法兰中
4) 调整 ATC 臂并确保销钉前部完全进入法兰中。

## Alignment Tool for ATC Arm
## 调整机械手用组合模具






| Size | D | D1 | D2 | L | L1 | L2 | L4 | L5 |
|---|---|---|---|---|---|---|---|---|
| BT30-ATC18 | 31.75 | 46 | 18 | 50.4 | 2 | 20 | 251 | 44 |
| BT40-ATC20 | 44.45 | 63 | 20 | 67.4 | 2 | 25 | 251 | 44 |
| BT50-ATC28 | 69.85 | 100 | 28 | 104.8 | 3 | 35 | 261 | 54 |

**Usage:**
1. Install the calibration taper to the machine spindle.
2. Install the calibration flange on the ATC machine.
3. Insert the calibration pin into the calibration flange.
4. Rotate the calibration pin to find the maximum and minimum positions of the pointer.
value position of the pointer. This direction is the direction of eccentricity, and the amount of eccentricity is half of the difference.
5. Adjust the ATC manipulator and ensure that the front of the calibration pin is fully inserted into the flange.

使用方法
1. 将校正锥柄安装到机床主轴。
2. 将校正法兰安装在 ATC 机械手上。
3. 将校正销棒插入校正法兰。
4. 旋转校正销棒，找到指针的最大值位置和最小值位置。
该方向即偏心方向，偏心量为差值的一半。
5. 调整 ATC 机械手并确保校正销棒前端完全插入法兰中。

BRIGHT-TOOLS

# BBT

## TOOL HOLDERS

BRIGHT-TOOLS

## BBT DualDrive (Double Contact) Tool Holders

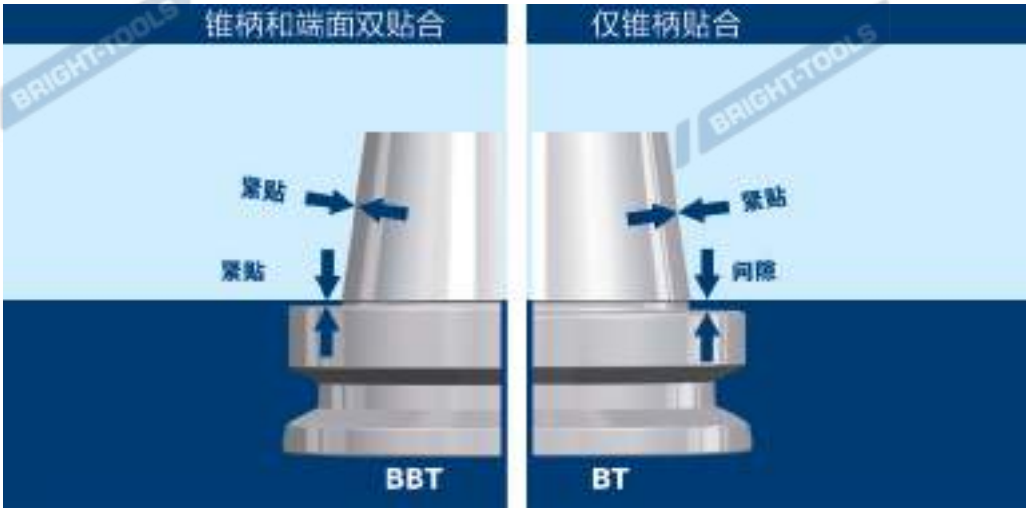



BBT Advantages:

* Improve tool holder stability when high speed working.
* Improve workpiece surface finish.
* Improve working dimension accuracy.
* Improve ATC repeatability.
* Improve the roundness when boring operation.
* Extend cutting tool life.

ORDER SPECIFICATION:
PLEASE ORDER BBT SPINDLE FOR BETTER PERFORMANCE.

# BBT 双接触刀柄

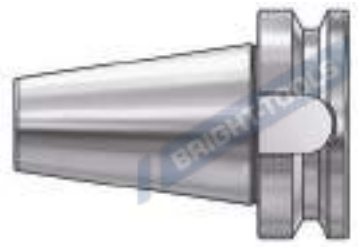


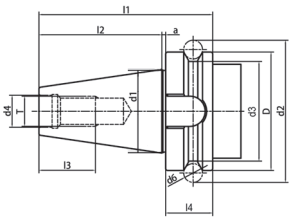

使用 BBT 双接触刀柄优势：

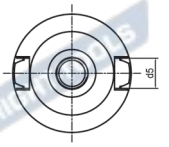
* 高速加工时提高刀柄稳定性；
* 提高工件表面光洁度；
* 提高加工精度；
* 提高 ATC 的重复精度；
* 提高镗孔加工圆度；
* 增加刀具使用寿命 .

订购说明：
为了更好的使用效果，请订购带 BBT 主轴的加工中心。

# BBT Taper Standard
# BBT 锥柄标准






| Size | D | d1 | d2 | d3 | d4 | d5 | d6 | l1 | l2 | l3 | l4 | a | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BBT30 | 46 | 31.75 | 56.14 | 38 | 12.5 | 16.1 | 8 | 70.4 | 48.4 | 24 | 21 | 1 | M12*1.75 |
| BBT40 | 63 | 44.45 | 75.679 | 53 | 17 | 16.1 | 10 | 92.4 | 65.4 | 30 | 26 | 1 | M16*2.0 |
| BBT50 | 100 | 69.85 | 119.019 | 85 | 25 | 25.7 | 15 | 139.8 | 101.8 | 45 | 36.5 | 1.5 | M24*3.0 |

**Taper standard:** JIS B 6339
**Material:** Alloyed case hardened steel
**Surface Treatment:** Blackening and Bright
**Taper tolerance:** <AT3
**Hardness:** HRC 56-60
**Carbon depth:** 0.8±0.2mm
**Surface Roughness:** Ra<0.2μm
**Balancing:** G6.3/15000; G2.5/25000
**Cooling:** AD; AD/B can be made by request.

# BBT TOOLING SYSTEM
# BBT 工具系统

ER Collet Chuck.....D.46
ER 弹簧夹头刀柄
Power Milling Chuck .....D.48
强力铣刀柄
SKS Collet Chuck.....D.50
SKS 高速筒夹刀柄
Precision Screw Collet Chuck.....D.51
NDC后拉刀柄
Face Mill Holder.....D.52
面铣刀柄
Combi Shell Mill Holder.....D.54
混合插入式铣刀柄
End Mill Holder.....D.56
侧固刀柄
Morse Taper Adapter.....D.56
带扁尾莫氏刀柄
Tool Holder Adapter Sleeve .....D.56
转换刀柄
Precision Drill Chuck Holder.....D.57
精密钻夹头刀柄
Runout Adjustable Flange Adapter .....D.57
可调节精度法兰刀柄
Test Arbor.....D.58
主轴检测棒





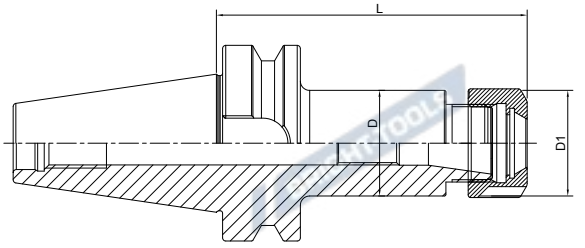




## ER Collet Chuck with UM Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |



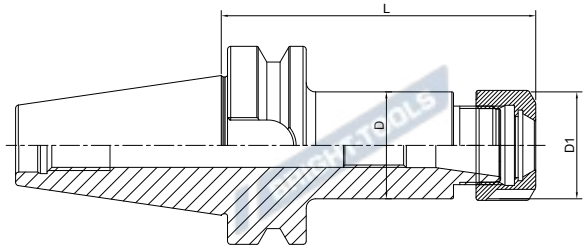



| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| BBT40-ER16UM-70 | 28 | 32 | 70 | 1-10 |
| BBT40-ER20UM-70 | 34 | 35 | 70 | 1-13 |
| BBT40-ER25-70 | 42 | 42 | 70 | 2-16 |
| BBT40-ER32-70 | 50 | 50 | 70 | 2-20 |
| BBT40-ER40-80 | 50 | 63 | 80 | 3-26 |
| | | | | |
| BBT40-ER16UM-100 | 28 | 32 | 100 | 1-10 |
| BBT40-ER20UM-100 | 34 | 35 | 100 | 1-13 |
| BBT40-ER25-100 | 42 | 42 | 100 | 2-16 |
| BBT40-ER32-100 | 50 | 50 | 100 | 2-20 |
| BBT40-ER40-100 | 50 | 63 | 100 | 3-26 |
| | | | | |
| BBT40-ER16UM-160 | 28 | 32 | 160 | 1-10 |
| BBT40-ER20UM-160 | 34 | 35 | 160 | 1-13 |
| BBT40-ER25-160 | 42 | 42 | 160 | 2-16 |
| BBT40-ER32-160 | 50 | 50 | 160 | 2-20 |
| BBT40-ER40-160 | 50 | 63 | 160 | 3-26 |
| | | | | |
| BBT50-ER16UM-70 | 28 | 32 | 70 | 1-10 |
| BBT50-ER20UM-70 | 34 | 35 | 70 | 1-13 |
| BBT50-ER25-70 | 42 | 42 | 70 | 2-16 |
| BBT50-ER32-70 | 40 | 50 | 70 | 2-20 |
| BBT50-ER40-80 | 63 | 63 | 80 | 3-26 |
| BBT50-ER50-100 | 64 | 78 | 100 | 6-34 |
| | | | | |
| BBT50-ER16UM-100 | 28 | 32 | 100 | 1-10 |
| BBT50-ER20UM-100 | 34 | 35 | 100 | 1-13 |
| BBT50-ER25-100 | 42 | 42 | 100 | 2-16 |
| BBT50-ER32-100 | 50 | 50 | 100 | 2-20 |
| BBT50-ER40-100 | 63 | 63 | 100 | 3-26 |
| | | | | |
| BBT50-ER16UM-160 | 28 | 32 | 160 | 1-10 |
| BBT50-ER20UM-160 | 34 | 35 | 160 | 1-13 |
| BBT50-ER25-160 | 42 | 42 | 160 | 2-16 |
| BBT50-ER32-160 | 50 | 50 | 160 | 2-20 |
| BBT50-ER40-160 | 63 | 63 | 160 | 3-26 |

## ER Collet Chuck with Hex Nut
## ER 弹簧夹头刀柄

| | A | RPM | |
|---|---|---|---|
| DIN6499 | ≤0.003 | G2.5/25000 | AD |



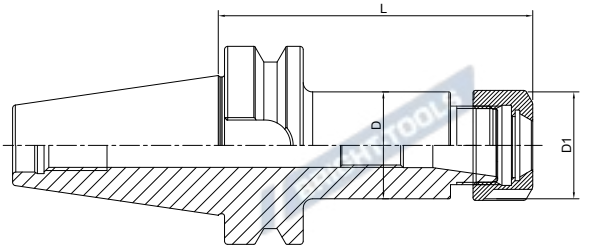



| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| BBT40-ER16-70 | 28 | 28 | 70 | 1-10 |
| BBT40-ER20-70 | 34 | 34 | 70 | 1-13 |
| BBT40-ER16-100 | 28 | 28 | 100 | 1-10 |
| BBT40-ER20-100 | 34 | 34 | 100 | 1-13 |
| BBT40-ER16-160 | 28 | 28 | 160 | 1-10 |
| BBT40-ER20-160 | 34 | 34 | 160 | 1-13 |
| | | | | |
| BBT50-ER16-70 | 28 | 28 | 70 | 1-10 |
| BBT50-ER20-70 | 34 | 34 | 70 | 1-13 |
| BBT50-ER16-100 | 28 | 28 | 100 | 1-10 |
| BBT50-ER20-100 | 34 | 34 | 100 | 1-13 |
| BBT50-ER16-160 | 28 | 28 | 160 | 1-10 |
| BBT50-ER20-160 | 34 | 34 | 160 | 1-13 |

## ER Collet Chuck with Mini Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ ≤0.003 | RPM G2.5/25000 | AD |
|---|---|---|---|






| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| BBT40-ER11M-70 | 16 | 16 | 70 | 1-7 |
| BBT40-ER16M-70 | 22 | 22 | 70 | 1-10 |
| BBT40-ER20M-70 | 28 | 28 | 70 | 1-13 |
| BBT40-ER25M-70 | 35 | 35 | 70 | 2-16 |
| | | | | |
| BBT40-ER11M-100 | 16 | 16 | 100 | 1-7 |
| BBT40-ER16M-100 | 22 | 22 | 100 | 1-10 |
| BBT40-ER20M-100 | 28 | 28 | 100 | 1-13 |
| BBT40-ER25M-100 | 35 | 35 | 100 | 2-16 |
| | | | | |
| BBT40-ER11M-160T | 16 | 16 | 160 | 1-7 |
| BBT40-ER16M-160T | 22 | 22 | 160 | 1-10 |
| BBT40-ER20M-160 | 28 | 28 | 160 | 1-13 |
| BBT40-ER25M-160 | 35 | 35 | 160 | 2-16 |

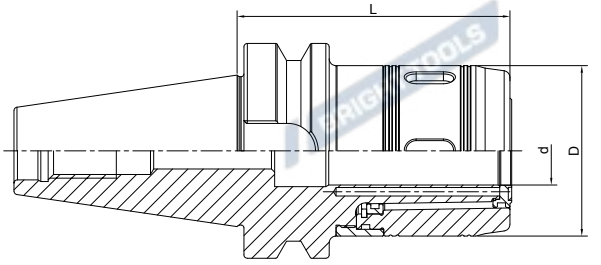
T refers to cutter side with taper design

T 代表刀具端锥柄设计

## Power Milling Chuck
## 强力铣刀柄

| A ↗ ≤0.008 | AD |
|---|---|






| Size | d | D | L | Capacity |
|---|---|---|---|---|
| BBT40-HC20-90 | 20 | 50 | 90 | 3-16; 20 |
| BBT40-HC25-100 | 25 | 59 | 100 | 3-20; 25 |
| BBT40-HC32-105 | 32 | 72 | 105 | 3-25; 32 |
| | | | | |
| BBT50-HC20-105 | 20 | 50 | 105 | 3-16; 20 |
| BBT50-HC25-105 | 25 | 59 | 105 | 3-20; 25 |
| BBT50-HC32-110 | 32 | 72 | 110 | 3-25; 32 |

# Power Milling Chuck
# 强力铣刀柄

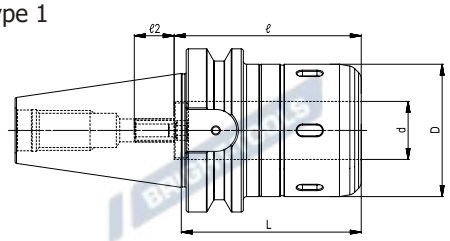
NEW

A ≤0.005

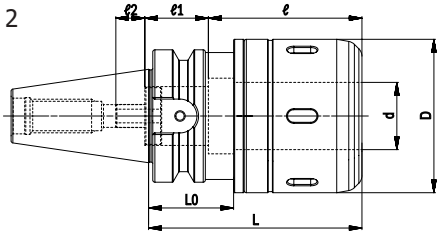
AD



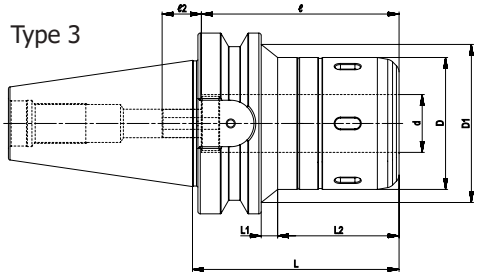
Type 1




Type 2




Type 3



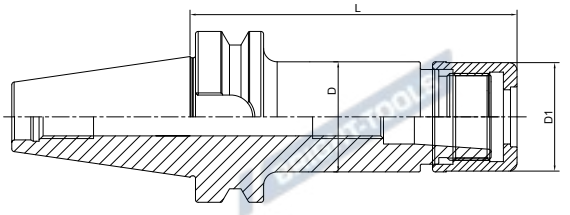

| Size | Type | d | D | D1 | L | L1 | L2 | ℓ | ℓ1 | ℓ2 | d1 | L0 | G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BBT40-CT20SA-90 | 1 | 20 | 52 | - | 90 | - | - | 80 | - | 15 | - | - | M12 |
| BBT40-CT25SA-90 | 1 | 25 | 61 | - | 90 | - | - | 80 | - | 15 | - | - | M12 |
| BBT40-CT25SA-105 | 1 | 25 | 61 | - | 105 | - | - | 80 | - | 15 | - | - | M12 |
| BBT40-CT32SA-90 | 2 | 32 | 73 | - | 90 | - | - | 76 | 32 | 17 | 26 | 31 | M18 |
| BBT40-CT32SA-105 | 2 | 32 | 73 | - | 105 | - | - | 85 | 23 | 17 | 26 | 44 | M18 |
| BBT40-CT32SA-135 | 2 | 32 | 73 | - | 135 | - | - | 120 | | 17 | - | 69 | M18 |
| | | | | | | | | | | | | | |
| BBT50-CT20SA-105 | 3 | 20 | 52 | 70 | 105 | 9 | 58 | 80 | - | 15 | - | - | M12 |
| BBT50-CT25SA-105 | 3 | 25 | 61 | 82 | 105 | 11 | 56 | 80 | - | 15 | - | - | M12 |
| BBT50-CT32SA-110 | 1 | 32 | 73 | - | 110 | - | - | 120 | - | 20 | - | - | M18 |

BBT

## High Speed SKS Collet Chuck
## SKS 高速筒夹刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



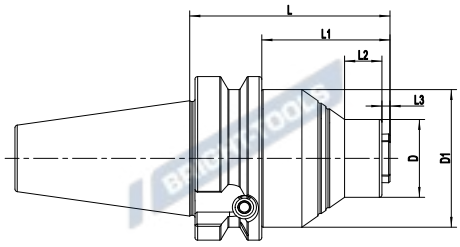



| Size | D | D1 | L | Capacity | M |
|---|---|---|---|---|---|
| BBT40-SKS10-90 | 27.5 | 27 | 90 | 2-10 | M21.5*1 |
| BBT40-SKS16-90 | 40.6 | 40 | 90 | 3-16 | M32*1.5 |
| BBT40-SKS20-90 | 48.5 | 48 | 90 | 2-20 | M40*1 |
| BBT40-SKS25-90 | 55.6 | 55 | 90 | 6-25 | M45*1.5 |
| | | | | | |
| BBT40-SKS10-120 | 27.5 | 27 | 120 | 2-10 | M21.5*1 |
| BBT40-SKS16-120 | 40.6 | 40 | 120 | 3-16 | M32*1.5 |
| BBT40-SKS20-120 | 48.5 | 48 | 120 | 2-20 | M40*1 |
| BBT40-SKS25-120 | 55.6 | 55 | 120 | 6-25 | M45*1.5 |

## Precision Screw Collet Chuck
## NDC 后拉刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



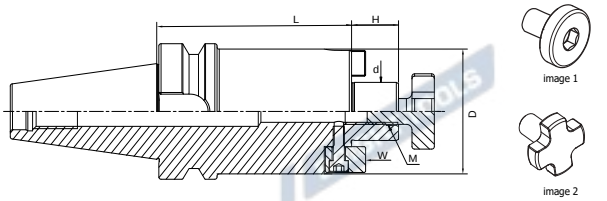



| Size | D | D1 | L | L1 | L2 | L3 |
|---|---|---|---|---|---|---|
| BBT30-NDC14-95 | 30 | 53 | 95 | 48 | 14 | 3 |
| BBT30-NDC14-140 | 30 | 53 | 140 | 93 | 59 | 3 |
| BBT30-NDC20-95 | 40 | 53 | 95 | 48 | 16 | 3 |
| | | | | | | |
| BBT40-NDC14-75 | 30 | 53 | 75 | 48 | 14 | 3 |
| BBT40-NDC14-120 | 30 | 53 | 120 | 93 | 59 | 3 |
| BBT40-NDC20-75 | 40 | 63 | 75 | 48 | 16 | 3 |
| BBT40-NDC20-120 | 40 | 63 | 120 | 93 | 65 | 3 |
| BBT40-NDC32-115 | 63 | 63 | 115 | 88 | 84.5 | 3.5 |
| | | | | | | |
| BBT50-NDC20-130 | 55 | 70 | 130 | 92 | 73 | 3 |
| BBT50-NDC32-150 | 70 | 70 | 150 | 112 | 108.5 | 3.5 |

# Face Mill Holder
# 面铣刀柄

| DIN6357 | A ↗ ≤0.005 | RPM G2.5/25000 | AD |
|---|---|---|---|





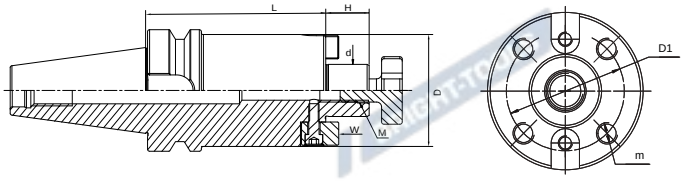

| Size | d | L | D | H | M |
|---|---|---|---|---|---|
| BBT40-FMB16-40 | 16 | 40 | 38 | 17 | M8 |
| BBT40-FMB22-40 | 22 | 40 | 48 | 19 | M10 |
| BBT40-FMB27-40 | 27 | 40 | 58 | 21 | M12 |
| BBT40-FMB32-50 | 32 | 50 | 78 | 24 | M16 |
| | | | | | |
| BBT40-FMB22-60 | 22 | 60 | 48 | 19 | M10 |
| BBT40-FMB27-60 | 27 | 60 | 58 | 21 | M12 |
| BBT40-FMB32-60 | 32 | 60 | 78 | 24 | M16 |
| | | | | | |
| BBT40-FMB16-100 | 16 | 100 | 38 | 17 | M8 |
| BBT40-FMB22-100 | 22 | 100 | 48 | 19 | M10 |
| BBT40-FMB27-100 | 27 | 100 | 58 | 21 | M12 |
| BBT40-FMB32-100 | 32 | 100 | 78 | 24 | M16 |
| | | | | | |
| BBT50-FMB16-40 | 16 | 40 | 38 | 17 | M8 |
| BBT50-FMB22-40 | 22 | 40 | 48 | 19 | M10 |
| BBT50-FMB27-40 | 27 | 40 | 58 | 21 | M12 |
| BBT50-FMB32-50 | 32 | 50 | 78 | 24 | M16 |
| | | | | | |
| BBT50-FMB22-60 | 22 | 60 | 48 | 19 | M10 |
| BBT50-FMB27-60 | 27 | 60 | 58 | 21 | M12 |
| BBT50-FMB32-60 | 32 | 60 | 78 | 24 | M16 |
| | | | | | |
| BBT50-FMB16-100 | 16 | 100 | 38 | 17 | M8 |
| BBT50-FMB22-100 | 22 | 100 | 48 | 19 | M10 |
| BBT50-FMB27-100 | 27 | 100 | 58 | 21 | M12 |
| BBT50-FMB32-100 | 32 | 100 | 78 | 24 | M16 |
| | | | | | |
| BBT50-FMB22-160 | 22 | 160 | 48 | 19 | M10 |
| BBT50-FMB27-160 | 27 | 160 | 58 | 21 | M12 |
| BBT50-FMB32-160 | 32 | 160 | 78 | 24 | M16 |

Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国市场面铣刀柄标配圆头螺钉 ( 图 1)，其他国家标配十字花螺钉 ( 图 2).

# Face Mill Holder
# 面铣刀柄

| DIN6357 | A ↗ ≤0.005 | RPM G2.5/25000 | AD |
|---|---|---|---|





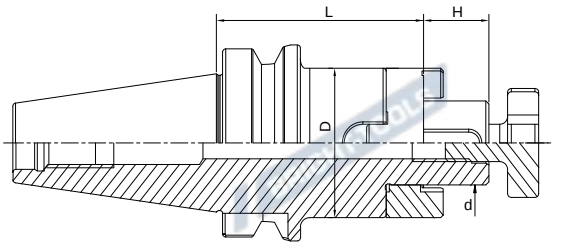

| Size | d | L | D | D1 | H | M | m |
|---|---|---|---|---|---|---|---|
| BBT40-FMB40-50 | 40 | 50 | 88 | 66.7 | 27 | M20 | M12 |
| BBT40-FMB40-100 | 40 | 100 | 88 | 66.7 | 27 | M20 | M12 |
| | | | | | | | |
| BBT50-FMB40-50 | 40 | 50 | 88 | 66.7 | 27 | M20 | M12 |
| BBT50-FMB40-100 | 40 | 100 | 88 | 66.7 | 27 | M20 | M12 |

FMB40 tool holder is with one retaining screw (image 2) . but it is with one universal screw (image 1) in China.
FMB40 刀柄中国市场面铣刀柄标配圆头螺钉 ( 图 1)，其他国家标配十字花螺钉 ( 图 2).

# Combi Shell Mill Holder
# 混合插入式铣刀柄

| DIN6358 | A ↗ ≤0.005 | RPM G2.5/25000 |
|---|---|---|



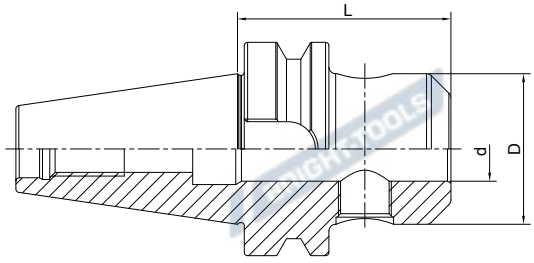



| Size | d | D | H | L |
|---|---|---|---|---|
| BBT40-SEMC16-55 | 16 | 32 | 17 | 55 |
| BBT40-SEMC22-55 | 22 | 40 | 19 | 55 |
| BBT40-SEMC27-55 | 27 | 48 | 21 | 55 |
| BBT40-SEMC32-60 | 32 | 58 | 24 | 60 |
| BBT40-SEMC40-60 | 40 | 70 | 27 | 60 |
| | | | | |
| BBT40-SEMC16-100 | 16 | 32 | 17 | 100 |
| BBT40-SEMC22-100 | 22 | 40 | 19 | 100 |
| BBT40-SEMC27-100 | 27 | 48 | 21 | 100 |
| BBT40-SEMC32-100 | 32 | 58 | 24 | 100 |
| BBT40-SEMC40-100 | 40 | 70 | 27 | 100 |
| | | | | |
| BBT40-SEMC16-160 | 16 | 32 | 17 | 160 |
| BBT40-SEMC22-160 | 22 | 40 | 19 | 160 |
| BBT40-SEMC27-160 | 27 | 48 | 21 | 160 |
| BBT40-SEMC32-160 | 32 | 58 | 24 | 160 |
| BBT40-SEMC40-160 | 40 | 70 | 27 | 160 |
| | | | | |
| BBT50-SEMC16-70 | 16 | 32 | 17 | 70 |
| BBT50-SEMC22-70 | 22 | 40 | 19 | 70 |
| BBT50-SEMC27-70 | 27 | 48 | 21 | 70 |
| BBT50-SEMC32-70 | 32 | 58 | 24 | 70 |
| BBT50-SEMC40-70 | 40 | 70 | 27 | 70 |
| | | | | |
| BBT50-SEMC16-100 | 16 | 32 | 17 | 100 |
| BBT50-SEMC22-100 | 22 | 40 | 19 | 100 |
| BBT50-SEMC27-100 | 27 | 48 | 21 | 100 |
| BBT50-SEMC32-100 | 32 | 58 | 24 | 100 |
| BBT50-SEMC40-100 | 40 | 70 | 27 | 100 |
| | | | | |
| BBT50-SEMC16-160 | 16 | 32 | 17 | 160 |
| BBT50-SEMC22-160 | 22 | 40 | 19 | 160 |
| BBT50-SEMC27-160 | 27 | 48 | 21 | 160 |
| BBT50-SEMC32-160 | 32 | 58 | 24 | 160 |
| BBT50-SEMC40-160 | 40 | 70 | 27 | 160 |

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G2.5/25000 | AD |



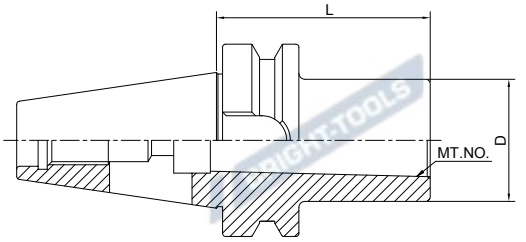



| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| BBT40-SLA06-50 | 6 | 25 | 50 | M6 | 1 |
| BBT40-SLA08-50 | 8 | 28 | 50 | M8 | 1 |
| BBT40-SLA10-63 | 10 | 35 | 63 | M10 | 1 |
| BBT40-SLA12-63 | 12 | 42 | 63 | M12 | 1 |
| BBT40-SLA14-63 | 14 | 44 | 63 | M12 | 1 |
| BBT40-SLA16-63 | 16 | 48 | 63 | M14 | 1 |
| BBT40-SLA18-63 | 18 | 50 | 63 | M14 | 1 |
| BBT40-SLA20-63 | 20 | 52 | 63 | M16 | 1 |
| BBT40-SLA25-90 | 25 | 65 | 90 | M18*2 | 2 |
| BBT40-SLA32-100 | 32 | 72 | 100 | M20*2 | 2 |
| BBT40-SLA40-120 | 40 | 80 | 120 | M20*2 | 2 |
| | | | | | |
| BBT40-SLA06-100 | 6 | 25 | 100 | M6 | 1 |
| BBT40-SLA08-100 | 8 | 28 | 100 | M8 | 1 |
| BBT40-SLA10-100 | 10 | 35 | 100 | M10 | 1 |
| BBT40-SLA12-100 | 12 | 42 | 100 | M12 | 1 |
| BBT40-SLA14-100 | 14 | 44 | 100 | M12 | 1 |
| BBT40-SLA16-100 | 16 | 48 | 100 | M14 | 1 |
| BBT40-SLA18-100 | 18 | 50 | 100 | M14 | 1 |
| BBT40-SLA20-100 | 20 | 52 | 100 | M16 | 1 |
| | | | | | |
| BBT50-SLA06-63 | 6 | 25 | 63 | M6 | 1 |
| BBT50-SLA08-63 | 8 | 28 | 63 | M8 | 1 |
| BBT50-SLA10-63 | 10 | 35 | 63 | M10 | 1 |
| BBT50-SLA12-80 | 12 | 42 | 80 | M12 | 1 |
| BBT50-SLA14-80 | 14 | 44 | 80 | M12 | 1 |
| BBT50-SLA16-80 | 16 | 48 | 80 | M14 | 1 |
| BBT50-SLA18-80 | 18 | 50 | 80 | M14 | 1 |
| BBT50-SLA20-80 | 20 | 52 | 80 | M16 | 1 |
| BBT50-SLA25-100 | 25 | 65 | 100 | M18*2 | 2 |
| BBT50-SLA32-105 | 32 | 72 | 105 | M20*2 | 2 |
| BBT50-SLA40-110 | 40 | 80 | 110 | M20*2 | 2 |
| BBT50-SLA50-125 | 50 | 98 | 125 | M24*2 | 2 |

## Morse Taper Adapter with Tang
## 带扁尾莫氏刀柄

| DIN6383 | A ↗ ≤0.005 | RPM G2.5/25000 |
|---|---|---|



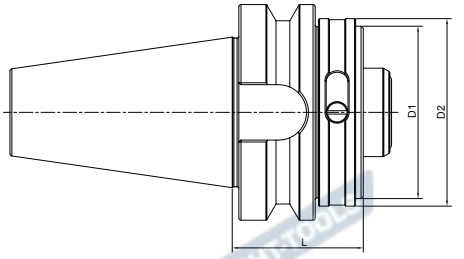



| Size | MT.NO. | D | L |
|---|---|---|---|
| BBT40-MTA1-50 | 1 | 25 | 50 |
| BBT40-MTA2-50 | 2 | 32 | 50 |
| BBT40-MTA3-70 | 3 | 40 | 70 |
| BBT40-MTA4-95 | 4 | 48 | 95 |
| | | | |
| BBT50-MTA1-45 | 1 | 25 | 45 |
| BBT50-MTA2-60 | 2 | 32 | 60 |
| BBT50-MTA3-65 | 3 | 40 | 65 |
| BBT50-MTA4-95 | 4 | 48 | 95 |

## Tool Holder Adapter Sleeve
## 转换刀柄

| A ↗ ≤0.005 | AD |
|---|---|



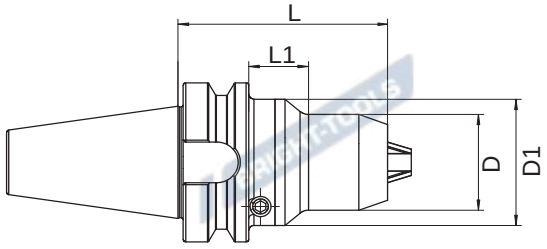



| Size | D1 | D2 | L |
|---|---|---|---|
| BBT40-HSK63C-70 | 63 | 70 | 70 |
| BBT50-HSK63C-60 | 63 | 70 | 60 |
| BBT50-HSK100C-90 | 100 | 110 | 90 |

## Precision Drill Chuck Holder
## 精密钻夹头刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.03 | G2.5/25000 | AD |



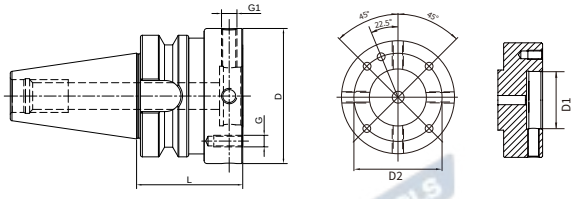



| Size | D | D1 | L | L1 | Capacity |
|---|---|---|---|---|---|
| BBT40-CPU10-80 | 38 | 50 | 80 | 21 | 1-10 |
| BBT40-CPU13-90 | 50 | - | 90 | - | 1-13 |
| BBT40-CPU16-90 | 50 | - | 90 | - | 1-16 |
| | | | | | |
| BBT50-CPU13-100 | 50 | - | 100 | - | 1-13 |
| BBT50-CPU16-100 | 50 | - | 100 | - | 1-16 |

## Runout Adjustable Flange Adapter
## 可调节精度法兰刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.002 | G2.5/25000 | AD |



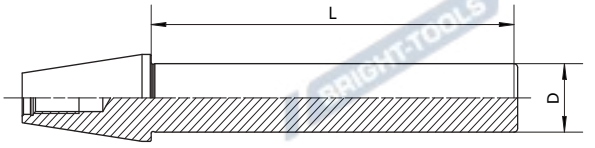



| Size | D | D1 | D2 | L | G | G1 |
|---|---|---|---|---|---|---|
| BBT40-MOD060-050 | 60 | 30 | 44 | 50 | M5 | M8x1 |
| BBT40-MOD070-050 | 70 | 35 | 53 | 50 | M6 | M8x1 |
| BBT40-MOD080-050 | 80 | 40 | 63 | 50 | M6 | M8x1 |
| BBT40-MOD100-070 | 100 | 50 | 79 | 70 | M8 | M10x1 |
| | | | | | | |
| BBT50-MOD060-070 | 60 | 30 | 44 | 70 | M5 | M8x1 |
| BBT50-MOD070-070 | 70 | 35 | 53 | 70 | M6 | M8x1 |
| BBT50-MOD080-070 | 80 | 40 | 63 | 70 | M6 | M8x1 |
| BBT50-MOD100-070 | 100 | 50 | 79 | 70 | M8 | M10x1 |
| BBT50-MOD117-080 | 117 | 60 | 96 | 80 | M8 | M10x1 |
| BBT50-MOD140-080 | 140 | 80 | 119 | 80 | M10 | M10x1 |

# Test Arbor
# 主轴检测棒

A ↗
≤0.002






| Size | D | L |
|---|---|---|
| BBT30-32-300 | 32 | 300 |
| BBT40-40-300 | 40 | 300 |
| BBT50-50-300 | 50 | 300 |

BRIGHT-TOOLS

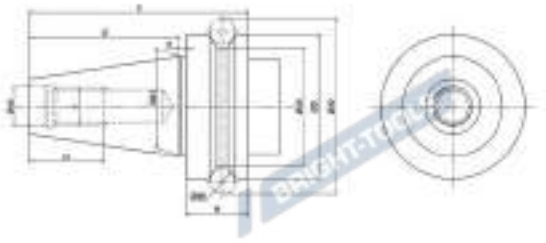
# NBT

## TOOL HOLDERS

BRIGHT-TOOLS

# NBT Taper Standard
# NBT 锥柄标准





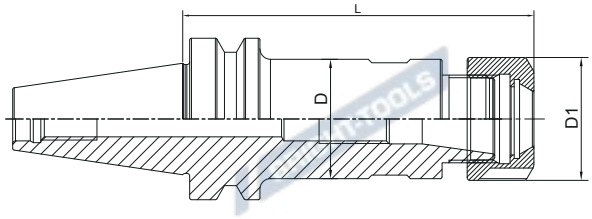
| Size | D | d1 | d2 | d3 | d4 | d5 | d6 | l1 | l2 | l3 | l4 | a | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NBT30 | 46 | 31.75 | 56.144 | 38 | 12.5 | 16.1 | 8 | 70.4 | 48.4 | 24 | 20 | 2 | M12×1.75 |
| NBT40 | 63 | 44.45 | 75.679 | 53 | 17 | 16.1 | 10 | 92.4 | 65.4 | 30 | 25 | 2 | M16×2.0 |
| NBT50 | 100 | 69.85 | 119.019 | 85 | 25 | 25.7 | 15 | 139.8 | 101.8 | 45 | 35 | 3 | M24×3.0 |

**Material:** Alloyed case hardened steel
**Surface Treatment:** Blackening and Bright
**Taper tolerance:** <AT3
**Hardness:** HRC 56-60
**Carbon depth:** 0.8±0.2mm
**Surface Roughness:** Ra<0.2μm
**Balancing:** G2.5/25000
**Cooling:** AD

## ER Collet Chuck
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |



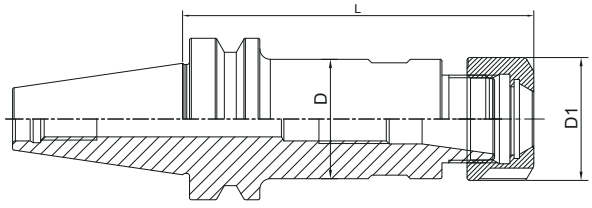



| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| NBT30-ER25-70 | 42 | 42 | 70 | 2-16 |
| NBT30-ER32-70 | 50 | 50 | 70 | 2-20 |
| | | | | |
| NBT40-ER25-70 | 42 | 42 | 70 | 2-16 |
| NBT40-ER32-70 | 50 | 50 | 70 | 2-20 |

## ER Collet Chuck
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |





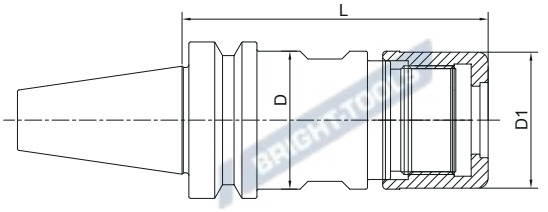

| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| NBT30-ER16-60 | 28 | 28 | 60 | 1-10 |
| NBT30-ER20-60 | 34 | 34 | 60 | 1-13 |
| | | | | |
| NBT40-ER16-70 | 28 | 28 | 70 | 1-10 |
| NBT40-ER20-70 | 34 | 34 | 70 | 1-13 |

NBT

## High Speed SKS Collet Chuck
## SKS 高速筒夹刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |






| Size | D | D1 | L | Capacity | M |
|---|---|---|---|---|---|
| NBT30-SKS10-60 | 27.5 | 27.1 | 60 | 3-10 | M21.5*1.0 |
| NBT30-SKS16-60 | 40.6 | 40 | 60 | 4-16 | M32*1.5 |

BRIGHT-TOOLS

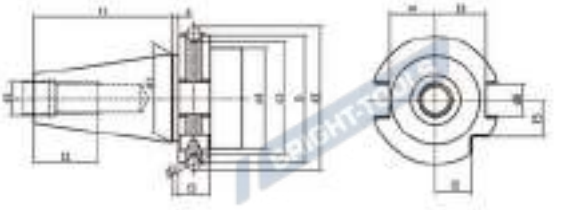
# SK

## TOOL HOLDERS

BRIGHT-TOOLS

# SK Taper Standard
# SK 锥柄标准





| Size | D | d1 | d2 | d3 | d4 | d5 | d6 | d7 | l1 | l2 | l3 | l4 | l5 | e1 | e2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SK30 | 50 | 31.75 | 59.3 | 44.3 | 45 | 13 | 16.1 | 7 | 47.8 | 24 | 18.8 | 16.3 | 15 | 21 | 5 |
| SK40 | 63.55 | 44.45 | 72.3 | 56.25 | 50 | 17 | 16.1 | 7 | 58.4 | 32 | 25 | 22.7 | 18.5 | 27 | 5 |
| SK50 | 97.5 | 69.85 | 107.36 | 91.25 | 80 | 25 | 25.7 | 7 | 101.8 | 47 | 37.7 | 35.5 | 30 | 42 | 7 |

**Taper standard:** DIN 69871
**Material:** Alloyed case hardened steel
**Surface Treatment:** Blackening and Bright
**Taper tolerance:** <AT3
**Hardness:** HRC 56-60
**Carbon depth:** 0.8±0.2mm
**Surface Roughness:** Ra<0.2μm
**Balancing:** G6.3/15000; G2.5/25000
**Cooling:** AD; AD/B can be made by request.

# SK TOOLING SYSTEM
# SK 工具系统目录

ER Collet Chuck.....E.04
ER 弹簧夹头刀柄
ER Collet Chuck,Shrot.....E.08
ER 弹簧夹头刀柄,超短型
Power Milling Chuck .....E.08
强力铣刀柄
OZ Collet C huck.....E.11
OZ 夹头刀柄
SKS Collet Chuck.....E.11
SKS 高速筒夹刀柄
Pull Back Collet Chuck .....E.12
DC 后拉刀柄
Precision Screw Collet Chuck.....E.13
NDC后拉刀柄
Face Mill Holder.....E.14
面铣刀柄
Combi Shell Mill Holder.....E.17
混合插入式铣刀柄
End Mill Holder.....E.18
侧固刀柄
Morse Taper Adapter.....E.24
带扁尾莫氏刀柄
Morse Taper Adapter..... E.25
带螺纹孔莫氏刀柄
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APU 钻夹头刀柄
Precision Drill Chuck Holder.....E.28
精密钻夹头刀柄
Quick Change Tapping Chuck.....E.28
弹性快换攻丝刀柄
Screw-in Milling Cutter Holder.....E.29
SOM 锁牙刀柄
Runout Adjustable Flange Adapter .....E.32
可调节精度法兰刀柄
UM Adjustable.....E.32
UM调零刀柄
Boring Bar Blank.....E.33
基础柄
Test Arbor.....E.33
主轴检测棒
Alignment Tool for ATC Arm .....E.34
调整机械手用组合模具





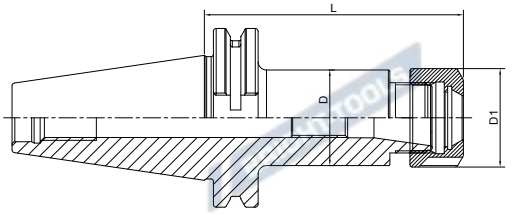




# ER Collet Chuck with UM Nut
# ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |






SK

| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| SK30-ER16UM-70 | 28 | 32 | 70 | 1-10 |
| SK30-ER20UM-70 | 34 | 35 | 70 | 1-13 |
| SK30-ER25-70 | 32 | 42 | 70 | 2-16 |
| SK30-ER32-70 | 40 | 50 | 70 | 2-20 |
| SK30-ER40-70 | 50 | 63 | 70 | 3-26 |
| SK30-ER16UM-100 | 28 | 32 | 100 | 1-10 |
| SK30-ER20UM-100 | 34 | 35 | 100 | 1-13 |
| SK30-ER25-100 | 42 | 42 | 100 | 2-16 |
| SK30-ER32-100 | 50 | 50 | 100 | 2-20 |
| | | | | |
| SK40-ER16UM-63 | 28 | 32 | 63 | 1-10 |
| SK40-ER20UM-70 | 34 | 35 | 70 | 1-13 |
| SK40-ER25-70 | 42 | 42 | 70 | 2-16 |
| SK40-ER32-70 | 40 | 50 | 70 | 2-20 |
| SK40-ER40-80 | 63 | 63 | 80 | 3-26 |
| SK40-ER16UM-100 | 28 | 32 | 100 | 1-10 |
| SK40-ER20UM-100 | 34 | 35 | 100 | 1-13 |
| SK40-ER25-100 | 42 | 42 | 100 | 2-16 |
| SK40-ER32-100 | 50 | 50 | 100 | 2-20 |
| SK40-ER40-100 | 63 | 63 | 100 | 3-26 |
| SK40-ER40-120 | 63 | 63 | 120 | 3-26 |
| SK40-ER16UM-160 | 28 | 32 | 160 | 1-10 |
| SK40-ER20UM-160 | 34 | 35 | 160 | 1-13 |
| SK40-ER25-160 | 42 | 42 | 160 | 2-16 |
| SK40-ER32-160 | 50 | 50 | 160 | 2-20 |
| SK40-ER40-160 | 63 | 63 | 160 | 3-26 |
| | | | | |
| SK40-ER16UM-200 | 28 | 32 | 200 | 1-10 |
| SK40-ER20UM-200 | 34 | 35 | 200 | 1-13 |
| SK40-ER25-200 | 42 | 42 | 200 | 2-16 |
| SK40-ER32-200 | 50 | 50 | 200 | 2-20 |
| SK40-ER40-200 | 50 | 63 | 200 | 3-26 |

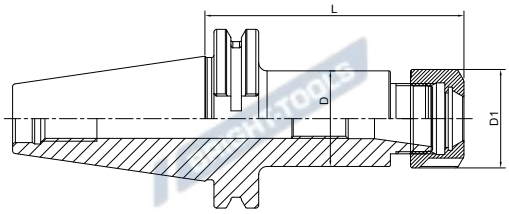
AD/B Customized

AD/B 可定制

# ER Collet Chuck with UM Nut
# ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | AD |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | |






| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| SK50-ER16UM-70 | 28 | 32 | 70 | 1-10 |
| SK50-ER20UM-70 | 34 | 35 | 70 | 1-13 |
| SK50-ER25-60 | 42 | 42 | 60 | 2-16 |
| SK50-ER32-70 | 50 | 50 | 70 | 2-20 |
| SK50-ER40-80 | 63 | 63 | 80 | 3-26 |
| SK50-ER50-100 | 100 | 78 | 100 | 6-34 |
| | | | | |
| SK50-ER16UM-100 | 28 | 32 | 100 | 1-10 |
| SK50-ER20UM-100 | 34 | 35 | 100 | 1-13 |
| SK50-ER25-100 | 42 | 42 | 100 | 2-16 |
| SK50-ER32-100 | 50 | 50 | 100 | 2-20 |
| SK50-ER40-100 | 63 | 63 | 100 | 3-26 |
| | | | | |
| SK50-ER16UM-160 | 28 | 32 | 160 | 1-10 |
| SK50-ER20UM-160 | 34 | 35 | 160 | 1-13 |
| SK50-ER25-160 | 42 | 42 | 160 | 2-16 |
| SK50-ER32-160 | 50 | 50 | 160 | 2-20 |
| SK50-ER40-160 | 63 | 63 | 160 | 3-26 |
| | | | | |
| SK50-ER16UM-200 | 28 | 32 | 200 | 1-10 |
| SK50-ER20UM-200 | 34 | 35 | 200 | 1-13 |
| SK50-ER25-200 | 42 | 42 | 200 | 2-16 |
| SK50-ER32-200 | 50 | 50 | 200 | 2-20 |
| SK50-ER40-200 | 63 | 63 | 200 | 3-26 |
| | | | | |
| SK60-ER32-100 | 50 | 50 | 100 | 2-20 |
| SK60-ER40-100 | 63 | 63 | 100 | 3-26 |
| SK60-ER50-100 | 64 | 78 | 100 | 6-34 |
| | | | | |
| SK60-ER32-160 | 50 | 50 | 160 | 2-20 |
| SK60-ER40-160 | 63 | 63 | 160 | 3-26 |
| SK60-ER50-160 | 64 | 78 | 160 | 6-34 |

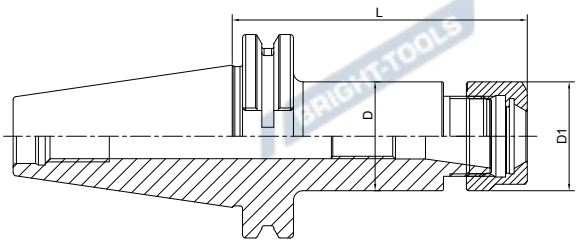
AD/B Customized

AD/B 可定制

# ER Collet Chuck with Hex Nut
# ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |






| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| SK30-ER16-70 | 28 | 28 | 70 | 1-10 |
| SK30-ER20-70 | 34 | 34 | 70 | 1-13 |
| SK30-ER16-100 | 28 | 28 | 100 | 1-10 |
| SK30-ER20-100 | 34 | 34 | 100 | 1-13 |
| | | | | |
| SK40-ER16-63 | 28 | 28 | 63 | 1-10 |
| SK40-ER20-70 | 34 | 34 | 70 | 1-13 |
| SK40-ER16-100 | 28 | 28 | 100 | 1-10 |
| SK40-ER20-100 | 34 | 34 | 100 | 1-13 |
| SK40-ER16-160T | 28 | 28 | 160 | 1-10 |
| SK40-ER20-160 | 34 | 34 | 160 | 1-13 |

| RPM |
|---|
| G6.3/15000 |

| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| SK40-ER16-200T | 28 | 28 | 200 | 1-10 |
| SK40-ER20-200 | 34 | 34 | 200 | 1-13 |
| | | | | |
| SK50-ER16-70 | 28 | 28 | 70 | 1-10 |
| SK50-ER20-70 | 34 | 34 | 70 | 1-13 |
| SK50-ER16-100 | 28 | 28 | 100 | 1-10 |
| SK50-ER20-100 | 34 | 34 | 100 | 1-13 |
| SK50-ER16-160T | 28 | 28 | 160 | 1-10 |
| SK50-ER20-160 | 34 | 34 | 160 | 1-13 |
| SK50-ER16-200T | 28 | 28 | 200 | 1-10 |
| SK50-ER20-200 | 34 | 34 | 200 | 1-13 |

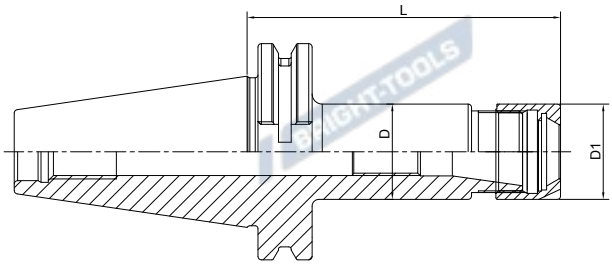
AD/B Customized
T refers to cutter side with taper design

AD/B 可定制
T 代表刀具端锥柄设计

# ER Collet Chuck with Mini Nut
# ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |






| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| SK40-ER11M-70 | 16 | 16 | 70 | 1-7 |
| SK40-ER16M-70 | 22 | 22 | 70 | 1-10 |
| SK40-ER20M-70 | 28 | 28 | 70 | 1-13 |
| SK40-ER25M-70 | 35 | 35 | 70 | 2-16 |
| SK40-ER11M-100 | 16 | 16 | 100 | 1-7 |
| SK40-ER16M-100 | 22 | 22 | 100 | 1-10 |
| SK40-ER20M-100 | 28 | 28 | 100 | 1-13 |
| SK40-ER25M-100 | 35 | 35 | 100 | 2-16 |
| SK40-ER11M-160T | 16 | 16 | 160 | 1-7 |
| SK40-ER16M-160T | 22 | 22 | 160 | 1-10 |
| SK40-ER20M-160 | 28 | 28 | 160 | 1-13 |
| SK40-ER25M-160 | 35 | 35 | 160 | 2-16 |

| RPM |
|---|
| G6.3/15000 |

| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| SK50-ER16M-70 | 22 | 22 | 70 | 1-10 |
| SK50-ER20M-70 | 28 | 28 | 70 | 1-13 |
| SK50-ER25M-70 | 35 | 35 | 70 | 2-16 |
| SK50-ER16M-100 | 22 | 22 | 100 | 1-10 |
| SK50-ER20M-100 | 28 | 28 | 100 | 1-13 |
| SK50-ER25M-100 | 35 | 35 | 100 | 2-16 |
| SK50-ER16M-160T | 22 | 22 | 160 | 1-10 |
| SK50-ER20M-160 | 28 | 28 | 160 | 1-13 |
| SK50-ER25M-160 | 35 | 35 | 160 | 2-16 |

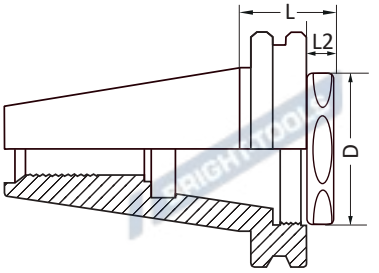
AD/B Customized
T refers to cutter side with taper design

AD/B 可定制
T 代表刀具端锥柄设计

## ER Collet Chuck，Shrot
## ER 弹簧夹头刀柄，超短型

| DIN6499 | A ↗ ≤0.003 | RPM G2.5/25000 | AD |
|---|---|---|---|





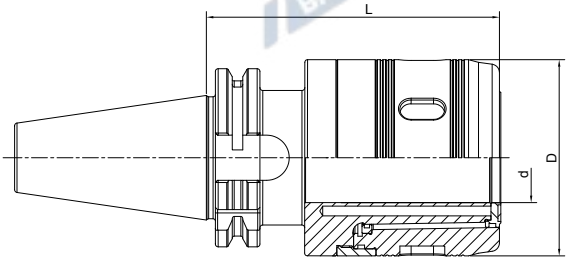

| Size | D | L | L1 |
|---|---|---|---|
| SK40-ER25-28 | 29.5 | 28 | 8.95 |
| SK40-ER32-28 | 37.5 | 28 | 8.95 |

SK

## Power Milling Chuck
## 强力铣刀柄

| A ↗ ≤0.008 | AD |
|---|---|






| Size | d | D | L | Capacity |
|---|---|---|---|---|
| SK30-HC20-85 | 20 | 50 | 85 | 3-16; 20 |
| SK30-HC20-100 | 20 | 50 | 100 | 3-16; 20 |
| | | | | |
| SK40-HC20-85 | 20 | 50 | 85 | 3-16; 20 |
| SK40-HC25-100 | 25 | 59 | 100 | 3-20; 25 |
| SK40-HC32-105 | 32 | 72 | 105 | 3-25; 32 |
| | | | | |
| SK50-HC20-105 | 20 | 50 | 105 | 3-16; 20 |
| SK50-HC25-100 | 25 | 59 | 100 | 3-20; 25 |
| SK50-HC32-110 | 32 | 72 | 110 | 3-25; 32 |
| SK50-HC42-110 | 42 | 99 | 110 | 3-32; 42 |

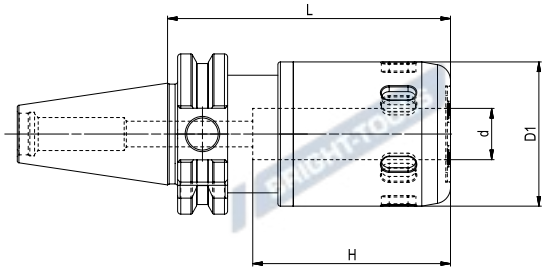
## Power Milling Chuck
## 强力铣刀柄

NEW

A ≤0.005

AD






| Size | d | D1 | L | H |
|---|---|---|---|---|
| SK30-CT16SA-90 | 16 | 45 | 90 | 65 |
| SK30-CT16SA-105 | 16 | 45 | 105 | 65 |
| SK30-CT20SA-90 | 20 | 52 | 90 | 80 |
| SK30-CT20SA-105 | 20 | 52 | 105 | 80 |
| | | | | |
| SK40-CT16SA-90 | 16 | 45 | 90 | 65 |
| SK40-CT20SA-90 | 20 | 52 | 90 | 80 |
| SK40-CT20SA-105 | 20 | 52 | 105 | 80 |
| SK40-CT20SA-120 | 20 | 52 | 120 | 80 |
| SK40-CT25SA-105 | 25 | 61 | 105 | 80 |
| SK40-CT25SA-135 | 25 | 61 | 135 | 80 |
| SK40-CT32SA-105 | 32 | 73 | 105 | 85 |
| SK40-CT32SA-120 | 32 | 73 | 120 | 85 |
| SK40-CT32SA-135 | 32 | 73 | 135 | 120 |

SK

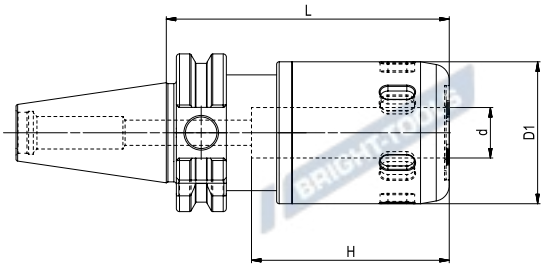
## Power Milling Chuck
## 强力铣刀柄

NEW

A ↗ ≤0.005

AD



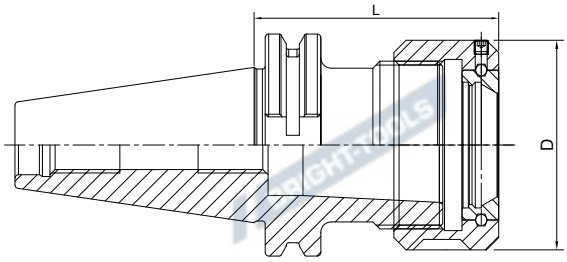



| Size | d | D1 | L | H |
|---|---|---|---|---|
| SK50-CT16SA-90 | 16 | 45 | 90 | 65 |
| SK50-CT16SA-105 | 16 | 45 | 105 | 65 |
| SK50-CT16SA-135 | 16 | 45 | 135 | 65 |
| SK50-CT20SA-90 | 20 | 52 | 90 | 80 |
| SK50-CT20SA-105 | 20 | 52 | 105 | 80 |
| SK50-CT20SA-120 | 20 | 52 | 120 | 80 |
| SK50-CT20SA-135 | 20 | 52 | 135 | 80 |
| SK50-CT20SA-165 | 20 | 52 | 165 | 80 |
| SK50-CT20SA-200 | 20 | 52 | 200 | 80 |
| SK50-CT20SA-250 | 20 | 52 | 250 | 80 |
| SK50-CT20SA-300 | 20 | 52 | 300 | 80 |
| SK50-CT25SA-105 | 25 | 61 | 105 | 80 |
| SK50-CT25SA-135 | 25 | 61 | 135 | 80 |
| SK50-CT25SA-165 | 25 | 61 | 165 | 80 |
| SK50-CT25SA-200 | 25 | 61 | 200 | 80 |
| SK50-CT25SA-250 | 25 | 61 | 250 | 80 |
| SK50-CT25SA-300 | 25 | 61 | 300 | 80 |
| SK50-CT32SA-95 | 32 | 73 | 95 | 120 |
| SK50-CT32SA -105 | 32 | 73 | 105 | 120 |
| SK50-CT32SA-120 | 32 | 73 | 120 | 120 |
| SK50-CT32SA-135 | 32 | 73 | 135 | 120 |
| SK50-CT32SA-150 | 32 | 73 | 150 | 120 |
| SK50-CT32SA-165 | 32 | 73 | 165 | 120 |
| SK50-CT32SA-200 | 32 | 73 | 200 | 120 |
| SK50-CT32SA-250 | 32 | 73 | 250 | 120 |
| SK50-CT32SA-300 | 32 | 73 | 300 | 120 |

## OZ Collet Chuck
## OZ 夹头刀柄

| DIN6391 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G6.3/15000 | AD |



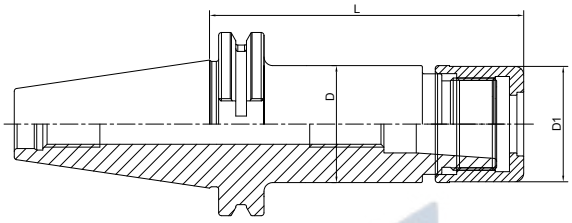



| Size | D | L | Capacity |
|---|---|---|---|
| SK40-OZ16-70 | 43 | 70 | 2-16 |
| SK40-OZ25-70 | 60 | 70 | 2-25 |
| SK40-OZ32-90 | 72 | 90 | 4-32 |
| SK40-OZ16-100 | 43 | 100 | 2-16 |
| SK40-OZ25-100 | 60 | 100 | 2-25 |
| | | | |
| SK50-OZ25-70 | 60 | 70 | 2-25 |
| SK50-OZ32-80 | 72 | 80 | 4-32 |

## High Speed SKS Collet Chuck
## SKS 高速筒夹刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



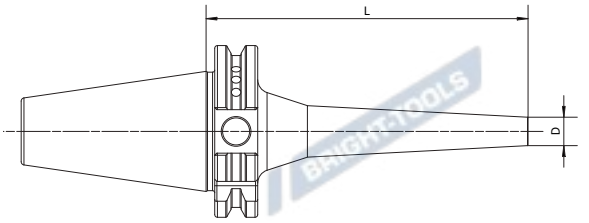



| Size | D | D1 | L | Capacity | M |
|---|---|---|---|---|---|
| SK40-SKS10-60 | 27.5 | 27 | 60 | 2-10 | M21.5*1 |
| SK40-SKS16-60 | 40.6 | 40 | 60 | 3-16 | M32*1.5 |
| SK40-SKS10-90 | 27.5 | 27 | 90 | 2-10 | M21.5*1 |
| SK40-SKS16-90 | 40.6 | 40 | 90 | 3-16 | M32*1.5 |
| SK40-SKS10-120 | 27.5 | 27 | 120 | 2-10 | M21.5*1 |
| SK40-SKS16-120 | 40.6 | 40 | 120 | 3-16 | M32*1.5 |
| | | | | | |
| SK50-SKS10-105 | 27.5 | 27 | 105 | 2-10 | M21.5*1 |
| SK50-SKS16-105 | 40.6 | 40 | 105 | 3-16 | M32*1.5 |
| SK50-SKS10-135 | 27.5 | 27 | 135 | 2-10 | M21.5*1 |
| SK50-SKS16-135 | 40.6 | 40 | 135 | 3-16 | M32*1.5 |
| SK50-SKS10-165 | 27.5 | 27 | 165 | 2-10 | M21.5*1 |
| SK50-SKS16-165 | 40.6 | 40 | 165 | 3-16 | M32*1.5 |

# Pull Back Collet Chuck
# DC 后拉刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |





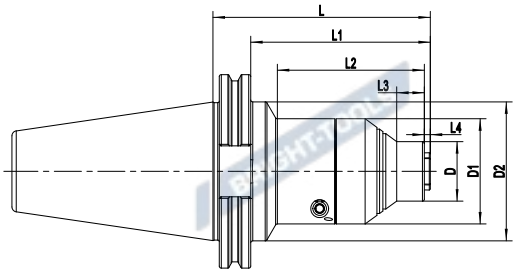

SK

| Size | D | L | Capacity |
|---|---|---|---|
| SK30-DC06-60 | 14 | 60 | 1-6 |
| SK30-DC06-90 | 14 | 90 | 1-6 |
| SK30-DC06-120 | 14 | 120 | 1-6 |
| SK30-DC08-60 | 22 | 60 | 1-10 |
| SK30-DC08-90 | 22 | 90 | 1-10 |
| SK30-DC08-120 | 22 | 120 | 1-10 |
| SK30-DC12-80 | 34 | 80 | 1-12 |
| | | | |
| SK40-DC06-60 | 14 | 60 | 1-6 |
| SK40-DC06-90 | 14 | 90 | 1-6 |
| SK40-DC06-120 | 14 | 120 | 1-6 |
| SK40-DC06-150 | 14 | 150 | 1-6 |
| SK40-DC08-60 | 22 | 60 | 1-10 |
| SK40-DC08-90 | 22 | 90 | 1-10 |
| SK40-DC08-120 | 22 | 120 | 1-10 |
| SK40-DC08-150 | 22 | 150 | 1-10 |
| SK40-DC08-200 | 22 | 200 | 1-10 |
| SK40-DC12-90 | 34 | 90 | 1-12 |
| SK40-DC12-120 | 34 | 120 | 1-12 |
| SK40-DC12-150 | 34 | 150 | 1-12 |
| SK40-DC12-200 | 34 | 200 | 1-12 |
| | | | |
| SK50-DC06-110 | 14 | 110 | 1-6 |
| SK50-DC06-150 | 14 | 150 | 1-6 |
| SK50-DC08-110 | 22 | 110 | 1-10 |
| SK50-DC08-150 | 22 | 150 | 1-10 |
| SK50-DC08-200 | 22 | 200 | 1-10 |
| SK50-DC12-120 | 34 | 120 | 1-12 |
| SK50-DC12-150 | 34 | 150 | 1-12 |
| SK50-DC12-200 | 34 | 200 | 1-12 |

# Precision Screw Collet Chuck
# NDC 后拉刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



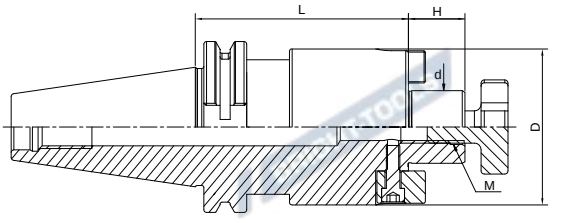



| Size | D | D1 | D2 | L | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|---|
| SK40-NDC20-65 | - | - | 50 | 65 | 46 | 28 | - | 3 |
| SK50-NDC14-110 | 30 | 53 | 70 | 110 | 91 | 75 | 14 | 3 |
| SK50-NDC20-110 | 40 | 53 | 70 | 110 | 91 | 75 | 16 | 3 |

# Face Mill Holder
# 面铣刀柄

| DIN6357 | A ↗ ≤0.005 | RPM G6.3/15000 | AD |
|---|---|---|---|






SK

| Size | d | D | L | H | M |
|---|---|---|---|---|---|
| SK30-FMB16-40 | 16 | 38 | 40 | 17 | M8 |
| SK30-FMB22-40 | 22 | 48 | 40 | 19 | M10 |
| SK30-FMB27-50 | 27 | 58 | 50 | 21 | M12 |
| SK30-FMB32-50 | 32 | 78 | 50 | 24 | M16 |
| | | | | | |
| SK40-FMB16-35 | 16 | 38 | 35 | 17 | M8 |
| SK40-FMB22-35 | 22 | 48 | 35 | 19 | M10 |
| SK40-FMB27-40 | 27 | 58 | 40 | 21 | M12 |
| SK40-FMB32-50 | 32 | 78 | 50 | 24 | M16 |
| | | | | | |
| SK40-FMB16-100 | 16 | 38 | 100 | 17 | M8 |
| SK40-FMB22-100 | 22 | 48 | 100 | 19 | M10 |
| SK40-FMB27-100 | 27 | 58 | 100 | 21 | M12 |
| SK40-FMB32-100 | 32 | 78 | 100 | 24 | M16 |
| | | | | | |
| SK40-FMB16-160 | 16 | 38 | 160 | 17 | M8 |
| SK40-FMB22-160 | 22 | 48 | 160 | 19 | M10 |
| SK40-FMB27-160 | 27 | 58 | 160 | 21 | M12 |
| SK40-FMB32-160 | 32 | 78 | 160 | 24 | M16 |
| | | | | | |
| SK40-FMB16-200 | 16 | 38 | 200 | 17 | M8 |
| SK40-FMB22-200 | 22 | 48 | 200 | 19 | M10 |
| SK40-FMB27-200 | 27 | 58 | 200 | 21 | M12 |
| SK40-FMB32-200 | 32 | 78 | 200 | 24 | M16 |
| | | | | | |
| SK40-FMB22-250 | 22 | 48 | 250 | 19 | M10 |
| SK40-FMB27-250 | 27 | 58 | 250 | 21 | M12 |
| SK40-FMB32-250 | 32 | 78 | 250 | 24 | M16 |
| | | | | | |
| SK40-FMB22-300 | 22 | 48 | 300 | 19 | M10 |
| SK40-FMB27-300 | 27 | 58 | 300 | 21 | M12 |
| SK40-FMB32-300 | 32 | 78 | 300 | 24 | M16 |

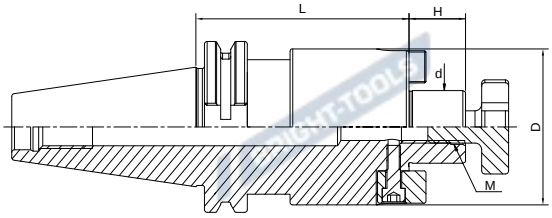
AD/B Customized

AD/B 可定制

# Face Mill Holder
# 面铣刀柄

| DIN6357 | A ↗ ≤0.005 | RPM G6.3/15000 | AD |
|---|---|---|---|






| Size | d | D | L | H | M |
|---|---|---|---|---|---|
| SK50-FMB16-35 | 16 | 38 | 35 | 17 | M8 |
| SK50-FMB22-35 | 22 | 48 | 35 | 19 | M10 |
| SK50-FMB27-40 | 27 | 58 | 40 | 21 | M12 |
| SK50-FMB32-50 | 32 | 78 | 50 | 24 | M16 |
| | | | | | |
| SK50-FMB16-100 | 16 | 38 | 100 | 17 | M8 |
| SK50-FMB22-100 | 22 | 48 | 100 | 19 | M10 |
| SK50-FMB27-100 | 27 | 58 | 100 | 21 | M12 |
| SK50-FMB32-100 | 32 | 78 | 100 | 24 | M16 |
| | | | | | |
| SK50-FMB16-160 | 16 | 38 | 160 | 17 | M8 |
| SK50-FMB22-160 | 22 | 48 | 160 | 19 | M10 |
| SK50-FMB27-160 | 27 | 58 | 160 | 21 | M12 |
| SK50-FMB32-160 | 32 | 78 | 160 | 24 | M16 |
| | | | | | |
| SK50-FMB16-200 | 16 | 38 | 200 | 17 | M8 |
| SK50-FMB22-200 | 22 | 48 | 200 | 19 | M10 |
| SK50-FMB27-200 | 27 | 58 | 200 | 21 | M12 |
| SK50-FMB32-200 | 32 | 78 | 200 | 24 | M16 |
| | | | | | |
| SK50-FMB22-250 | 22 | 48 | 250 | 19 | M10 |
| SK50-FMB27-250 | 27 | 58 | 250 | 21 | M12 |
| SK50-FMB32-250 | 32 | 78 | 250 | 24 | M16 |
| | | | | | |
| SK50-FMB22-300 | 22 | 48 | 300 | 19 | M10 |
| SK50-FMB27-300 | 27 | 58 | 300 | 21 | M12 |
| SK50-FMB32-300 | 32 | 78 | 300 | 24 | M16 |
| | | | | | |
| SK60-FMB22-100 | 22 | 48 | 100 | 19 | M10 |
| SK60-FMB27-100 | 27 | 58 | 100 | 21 | M12 |
| SK60-FMB32-100 | 32 | 78 | 100 | 24 | M16 |
| SK60-FMB22-150 | 22 | 48 | 150 | 19 | M10 |

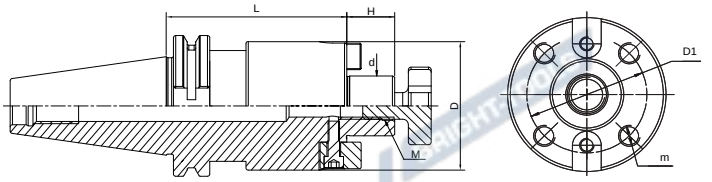
AD/B Customized

AD/B 可定制

# Face Mill Holder
# 面铣刀柄

| DIN6357 | A ↗ ≤0.005 | RPM G6.3/15000 | AD |
|---|---|---|---|






SK

| Size | d | D | D1 | L | H | M | m |
|---|---|---|---|---|---|---|---|
| SK40-FMB40-50 | 40 | 88 | 66.7 | 50 | 27 | M20 | M12 |
| SK40-FMB40-100 | 40 | 88 | 66.7 | 100 | 27 | M20 | M12 |
| SK40-FMB40-160 | 40 | 88 | 66.7 | 160 | 27 | M20 | M12 |
| SK40-FMB40-200 | 40 | 88 | 66.7 | 200 | 27 | M20 | M12 |
| SK40-FMB40-250 | 40 | 88 | 66.7 | 250 | 27 | M20 | M12 |
| SK40-FMB40-300 | 40 | 88 | 66.7 | 300 | 27 | M20 | M12 |
| | | | | | | | |
| SK50-FMB40-50 | 40 | 88 | 66.7 | 50 | 27 | M20 | M12 |
| SK50-FMB40-100 | 40 | 88 | 66.7 | 100 | 27 | M20 | M12 |
| SK50-FMB40-160 | 40 | 88 | 66.7 | 160 | 27 | M20 | M12 |
| SK50-FMB40-200 | 40 | 88 | 66.7 | 200 | 27 | M20 | M12 |
| SK50-FMB40-250 | 40 | 88 | 66.7 | 250 | 27 | M20 | M12 |
| SK50-FMB40-300 | 40 | 88 | 66.7 | 300 | 27 | M20 | M12 |
| | | | | | | | |
| SK60-FMB40-100 | 40 | 88 | 66.7 | 100 | 27 | M20 | M12 |
| SK60-FMB60-75 | 60 | 129 | 101.6 | 75 | 27 | M30 | M16 |

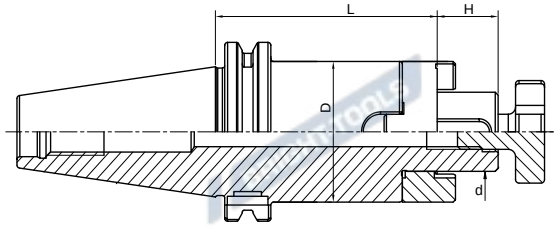
AD/B Customized

AD/B 可定制

# Combi Shell Mill Holder
# 混合插入式铣刀柄

| DIN6358 | A ↗ ≤0.005 | RPM G6.3/15000 |
|---|---|---|



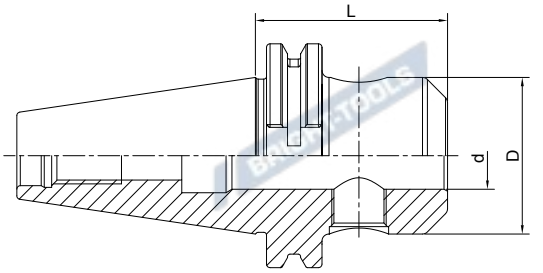



| Size | d | D | l | L |
|---|---|---|---|---|
| SK30-SEMC16-50 | 16 | 32 | 17 | 50 |
| SK30-SEMC22-50 | 22 | 40 | 19 | 50 |
| SK30-SEMC27-55 | 27 | 48 | 21 | 55 |
| SK30-SEMC32-60 | 32 | 58 | 24 | 60 |
| | | | | |
| SK40-SEMC16-55 | 16 | 32 | 17 | 55 |
| SK40-SEMC22-55 | 22 | 40 | 19 | 55 |
| SK40-SEMC27-55 | 27 | 48 | 21 | 55 |
| SK40-SEMC32-55 | 32 | 58 | 24 | 55 |
| SK40-SEMC40-60 | 40 | 70 | 27 | 60 |
| SK40-SEMC16-100 | 16 | 32 | 17 | 100 |
| SK40-SEMC22-100 | 22 | 40 | 19 | 100 |
| SK40-SEMC27-100 | 27 | 48 | 21 | 100 |
| SK40-SEMC32-100 | 32 | 58 | 24 | 100 |
| SK40-SEMC40-100 | 40 | 70 | 27 | 100 |
| SK40-SEMC16-160 | 16 | 32 | 17 | 160 |
| SK40-SEMC22-160 | 22 | 40 | 19 | 160 |
| SK40-SEMC27-160 | 27 | 48 | 21 | 160 |
| SK40-SEMC32-160 | 32 | 58 | 24 | 160 |
| SK40-SEMC40-160 | 40 | 70 | 27 | 160 |
| | | | | |
| SK50-SEMC16-55 | 16 | 32 | 17 | 55 |
| SK50-SEMC22-55 | 22 | 40 | 19 | 55 |
| SK50-SEMC27-55 | 27 | 48 | 21 | 55 |
| SK50-SEMC32-60 | 32 | 58 | 24 | 60 |
| SK50-SEMC40-55 | 40 | 70 | 27 | 60 |
| SK50-SEMC16-100 | 16 | 32 | 17 | 100 |
| SK50-SEMC22-100 | 22 | 40 | 19 | 100 |
| SK50-SEMC27-100 | 27 | 48 | 21 | 100 |
| SK50-SEMC32-100 | 32 | 58 | 24 | 100 |
| SK50-SEMC40-100 | 40 | 70 | 27 | 100 |
| SK50-SEMC16-160 | 16 | 32 | 17 | 160 |
| SK50-SEMC22-160 | 22 | 40 | 19 | 160 |
| SK50-SEMC27-160 | 27 | 48 | 21 | 160 |
| SK50-SEMC32-160 | 32 | 58 | 24 | 160 |
| SK50-SEMC40-160 | 40 | 70 | 27 | 160 |

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G6.3/15000 | AD |






| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| SK30-SLA06-50 | 6 | 25 | 50 | M6 | 1 |
| SK30-SLA08-50 | 8 | 28 | 50 | M8 | 1 |
| SK30-SLA10-50 | 10 | 35 | 50 | M10 | 1 |
| SK30-SLA12-50 | 12 | 42 | 50 | M12 | 1 |
| SK30-SLA14-63 | 14 | 44 | 63 | M12 | 1 |
| SK30-SLA16-63 | 16 | 48 | 63 | M14 | 1 |
| SK30-SLA18-63 | 18 | 50 | 63 | M14 | 1 |
| SK30-SLA20-70 | 20 | 52 | 70 | M16 | 1 |
| | | | | | |
| SK40-SLA06-50 | 6 | 25 | 50 | M6 | 1 |
| SK40-SLA08-50 | 8 | 28 | 50 | M8 | 1 |
| SK40-SLA10-50 | 10 | 35 | 50 | M10 | 1 |
| SK40-SLA12-50 | 12 | 42 | 50 | M12 | 1 |
| SK40-SLA14-50 | 14 | 44 | 50 | M12 | 1 |
| SK40-SLA16-63 | 16 | 48 | 63 | M14 | 1 |
| SK40-SLA18-63 | 18 | 50 | 63 | M14 | 1 |
| SK40-SLA20-63 | 20 | 52 | 63 | M16 | 1 |
| SK40-SLA25-100 | 25 | 65 | 100 | M18*2 | 2 |
| SK40-SLA32-100 | 32 | 72 | 100 | M20*2 | 2 |
| SK40-SLA40-120 | 40 | 80 | 120 | M20*2 | 2 |
| | | | | | |
| SK40-SLA06-100 | 6 | 25 | 100 | M6 | 1 |
| SK40-SLA08-100 | 8 | 28 | 100 | M8 | 1 |
| SK40-SLA10-100 | 10 | 35 | 100 | M10 | 1 |
| SK40-SLA12-100 | 12 | 42 | 100 | M12 | 1 |
| SK40-SLA14-100 | 14 | 44 | 100 | M12 | 1 |
| SK40-SLA16-100 | 16 | 48 | 100 | M14 | 1 |
| SK40-SLA18-100 | 18 | 50 | 100 | M14 | 1 |
| SK40-SLA20-100 | 20 | 52 | 100 | M16 | 1 |

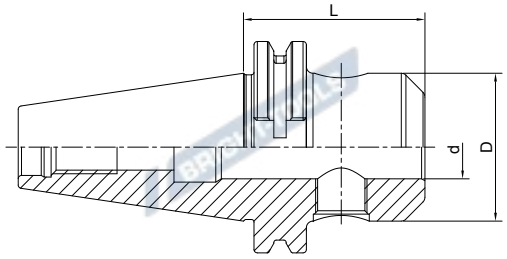
AD/B Customized

AD/B 可定制

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G6.3/15000 | AD |



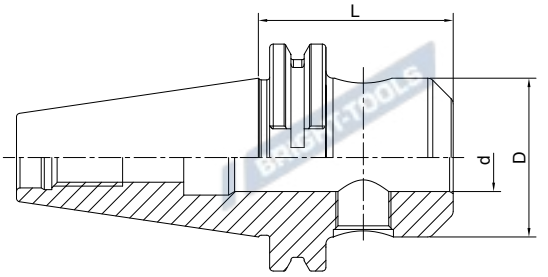



| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| SK40-SLA06-160 | 6 | 25 | 160 | M6 | 1 |
| SK40-SLA08-160 | 8 | 28 | 160 | M8 | 1 |
| SK40-SLA10-160 | 10 | 35 | 160 | M10 | 1 |
| SK40-SLA12-160 | 12 | 42 | 160 | M12 | 1 |
| SK40-SLA14-160 | 14 | 44 | 160 | M12 | 1 |
| SK40-SLA16-160 | 16 | 48 | 160 | M14 | 1 |
| SK40-SLA18-160 | 18 | 50 | 160 | M14 | 1 |
| SK40-SLA20-160 | 20 | 52 | 160 | M16 | 1 |
| SK40-SLA25-160 | 25 | 65 | 160 | M18*2 | 2 |
| SK40-SLA32-160 | 32 | 72 | 160 | M20*2 | 2 |
| SK40-SLA40-160 | 40 | 80 | 160 | M20*2 | 2 |
| | | | | | |
| SK50-SLA06-63 | 6 | 25 | 63 | M6 | 1 |
| SK50-SLA08-63 | 8 | 28 | 63 | M8 | 1 |
| SK50-SLA10-63 | 10 | 35 | 63 | M10 | 1 |
| SK50-SLA12-63 | 12 | 42 | 63 | M12 | 1 |
| SK50-SLA14-63 | 14 | 44 | 63 | M12 | 1 |
| SK50-SLA16-63 | 16 | 48 | 63 | M14 | 1 |
| SK50-SLA18-63 | 18 | 50 | 63 | M14 | 1 |
| SK50-SLA20-63 | 20 | 52 | 63 | M16 | 1 |
| SK50-SLA25-80 | 25 | 65 | 80 | M18*2 | 2 |
| SK50-SLA32-100 | 32 | 72 | 100 | M20*2 | 2 |
| SK50-SLA40-100 | 40 | 80 | 100 | M20*2 | 2 |
| SK50-SLA50-120 | 50 | 100 | 120 | M24*2 | 2 |
| | | | | | |
| SK50-SLA06-100 | 6 | 25 | 100 | M6 | 1 |
| SK50-SLA08-100 | 8 | 28 | 100 | M8 | 1 |
| SK50-SLA10-100 | 10 | 35 | 100 | M10 | 1 |
| SK50-SLA12-100 | 12 | 42 | 100 | M12 | 1 |
| SK50-SLA14-100 | 14 | 44 | 100 | M12 | 1 |
| SK50-SLA16-100 | 16 | 48 | 100 | M14 | 1 |
| SK50-SLA18-100 | 18 | 50 | 100 | M14 | 1 |
| SK50-SLA20-100 | 20 | 52 | 100 | M16 | 1 |
| SK50-SLA25-120 | 25 | 65 | 120 | M18*2 | 2 |

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ ≤0.005 | RPM G6.3/15000 | AD |
|---|---|---|---|






| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| SK50-SLA06-160 | 6 | 25 | 160 | M6 | 1 |
| SK50-SLA08-160 | 8 | 28 | 160 | M8 | 1 |
| SK50-SLA10-160 | 10 | 35 | 160 | M10 | 1 |
| SK50-SLA12-160 | 12 | 42 | 160 | M12 | 1 |
| SK50-SLA14-160 | 14 | 44 | 160 | M12 | 1 |
| SK50-SLA16-160 | 16 | 48 | 160 | M14 | 1 |
| SK50-SLA18-160 | 18 | 50 | 160 | M14 | 1 |
| SK50-SLA20-160 | 20 | 52 | 160 | M16 | 1 |
| SK50-SLA25-160 | 25 | 65 | 160 | M18*2 | 2 |
| SK50-SLA32-160 | 32 | 72 | 160 | M20*2 | 2 |
| SK50-SLA40-160 | 40 | 80 | 160 | M20*2 | 2 |
| | | | | | |
| SK60-SLA20-100 | 20 | 52 | 100 | M16 | 1 |
| SK60-SLA25-100 | 25 | 65 | 100 | M18*2 | 2 |
| SK60-SLA32-100 | 32 | 72 | 100 | M20*2 | 2 |
| SK60-SLA40-100 | 40 | 80 | 100 | M20*2 | 2 |
| SK60-SLA50-120 | 50 | 90 | 120 | M20*2 | 2 |

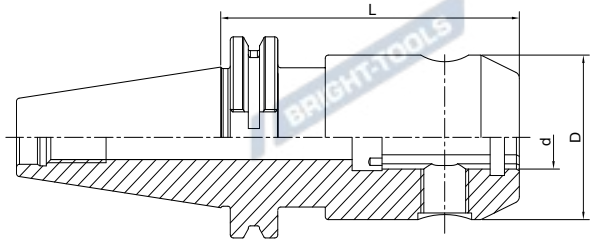
AD/B Customized

AD/B 可定制

## End Mill Holder with Coolant Channels
## 侧固刀柄，端面出水型

| | A ↗ | RPM | |
|---|---|---|---|
| DIN6359/1835B | ≤0.005 | G6.3/15000 | AD |






| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| SK40-SLA06-50K | 6 | 25 | 50 | M6 | 1 |
| SK40-SLA08-50K | 8 | 28 | 50 | M8 | 1 |
| SK40-SLA10-50K | 10 | 35 | 50 | M10 | 1 |
| SK40-SLA12-50K | 12 | 42 | 50 | M12 | 1 |
| SK40-SLA14-50K | 14 | 44 | 50 | M12 | 1 |
| SK40-SLA16-63K | 16 | 48 | 63 | M14 | 1 |
| SK40-SLA18-63K | 18 | 50 | 63 | M14 | 1 |
| SK40-SLA20-63K | 20 | 52 | 63 | M16 | 1 |
| SK40-SLA25-100K | 25 | 65 | 100 | M18*2 | 2 |
| SK40-SLA32-100K | 32 | 72 | 100 | M20*2 | 2 |
| SK40-SLA40-120K | 40 | 80 | 120 | M20*2 | 2 |
| | | | | | |
| SK40-SLA06-100K | 6 | 25 | 100 | M6 | 1 |
| SK40-SLA08-100K | 8 | 28 | 100 | M8 | 1 |
| SK40-SLA10-100K | 10 | 35 | 100 | M10 | 1 |
| SK40-SLA12-100K | 12 | 42 | 100 | M12 | 1 |
| SK40-SLA14-100K | 14 | 44 | 100 | M12 | 1 |
| SK40-SLA16-100K | 16 | 48 | 100 | M14 | 1 |
| SK40-SLA18-100K | 18 | 50 | 100 | M14 | 1 |
| SK40-SLA20-100K | 20 | 52 | 100 | M16 | 1 |

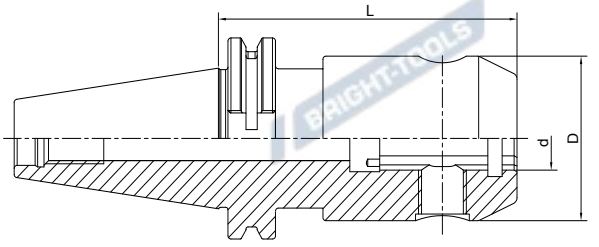
AD/B Customized

AD/B 可定制

## End Mill Holder with Coolant Channels
## 侧固刀柄，端面出水型

| DIN6359/1835B | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G6.3/15000 | AD |






| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| SK50-SLA06-63K | 6 | 25 | 63 | M6 | 1 |
| SK50-SLA08-63K | 8 | 28 | 63 | M8 | 1 |
| SK50-SLA10-63K | 10 | 35 | 63 | M10 | 1 |
| SK50-SLA12-63K | 12 | 42 | 63 | M12 | 1 |
| SK50-SLA16-63K | 16 | 48 | 63 | M14 | 1 |
| SK50-SLA18-63K | 18 | 50 | 63 | M14 | 1 |
| SK50-SLA20-63K | 20 | 52 | 63 | M16 | 1 |
| SK50-SLA25-80K | 25 | 65 | 80 | M18*2 | 2 |
| SK50-SLA32-100K | 32 | 72 | 100 | M20*2 | 2 |
| SK50-SLA40-100K | 40 | 80 | 100 | M20*2 | 2 |
| | | | | | |
| SK50-SLA06-100K | 6 | 25 | 100 | M6 | 1 |
| SK50-SLA08-100K | 8 | 28 | 100 | M8 | 1 |
| SK50-SLA10-100K | 10 | 35 | 100 | M10 | 1 |
| SK50-SLA12-100K | 12 | 42 | 100 | M12 | 1 |
| SK50-SLA14-100K | 14 | 44 | 100 | M12 | 1 |
| SK50-SLA16-100K | 16 | 48 | 100 | M14 | 1 |
| SK50-SLA18-100K | 18 | 50 | 100 | M14 | 1 |
| SK50-SLA20-100K | 20 | 52 | 100 | M16 | 1 |
| SK50-SLA25-120K | 25 | 65 | 120 | M18*2 | 2 |

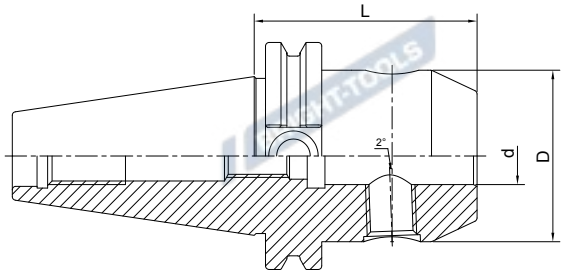
AD/B Customized

AD/B 可定制

# End Mill Holder Whistle Notch
# 侧固式铣刀柄，斜 2 度

| DIN1835E | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G6.3/15000 | AD |






| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| SK40-SLB06-50 | 6 | 25 | 50 | M6 | 1 |
| SK40-SLB08-50 | 8 | 28 | 50 | M8 | 1 |
| SK40-SLB10-50 | 10 | 35 | 50 | M10 | 1 |
| SK40-SLB12-50 | 12 | 42 | 50 | M12 | 1 |
| SK40-SLB14-50 | 14 | 44 | 50 | M12 | 1 |
| SK40-SLB16-63 | 16 | 48 | 63 | M14 | 1 |
| SK40-SLB18-63 | 18 | 50 | 63 | M14 | 1 |
| SK40-SLB20-63 | 20 | 52 | 63 | M16 | 1 |
| SK40-SLB25-100 | 25 | 65 | 100 | M18*2 | 2 |
| SK40-SLB32-100 | 32 | 72 | 100 | M20*2 | 2 |
| SK40-SLB40-120 | 40 | 80 | 120 | M20*2 | 2 |
| | | | | | |
| SK50-SLB06-63 | 6 | 25 | 63 | M6 | 1 |
| SK50-SLB08-63 | 8 | 28 | 63 | M8 | 1 |
| SK50-SLB10-63 | 10 | 35 | 63 | M10 | 1 |
| SK50-SLB12-63 | 12 | 42 | 63 | M12 | 1 |
| SK50-SLB14-63 | 14 | 44 | 63 | M12 | 1 |
| SK50-SLB16-63 | 16 | 48 | 63 | M14 | 1 |
| SK50-SLB18-63 | 18 | 50 | 63 | M14 | 1 |
| SK50-SLB20-63 | 20 | 52 | 63 | M16 | 1 |
| SK50-SLB25-80 | 25 | 65 | 80 | M18*2 | 2 |
| SK50-SLB32-100 | 32 | 72 | 100 | M20*2 | 2 |
| SK50-SLB40-100 | 40 | 80 | 100 | M20*2 | 2 |
| SK50-SLB50-125 | 50 | 100 | 125 | M24*2 | 2 |

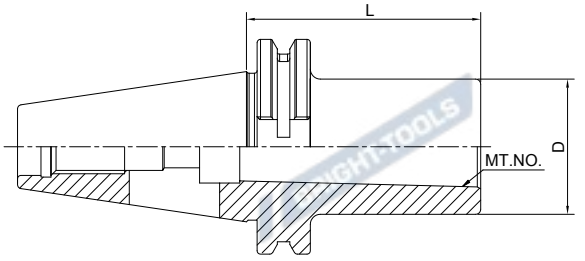
AD/B Customized

AD/B 可定制

# Morse Taper Adapter with Tang
# 带扁尾莫氏刀柄

| DIN6383 | A ↗ ≤0.005 | RPM G6.3/15000 |
|---|---|---|



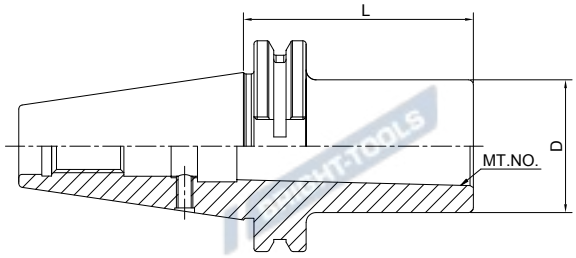



| Size | MT. NO. | D | L |
|---|---|---|---|
| SK30-MTA1-50 | 1 | 25 | 50 |
| SK30-MTA2-65 | 2 | 32 | 65 |
| SK30-MTA3-80 | 3 | 40 | 80 |
| | | | |
| SK40-MTA1-50 | 1 | 25 | 50 |
| SK40-MTA2-50 | 2 | 32 | 50 |
| SK40-MTA3-70 | 3 | 40 | 70 |
| SK40-MTA4-95 | 4 | 48 | 95 |
| | | | |
| SK50-MTA1-45 | 1 | 25 | 45 |
| SK50-MTA2-60 | 2 | 32 | 60 |
| SK50-MTA3-65 | 3 | 40 | 65 |
| SK50-MTA4-95 | 4 | 48 | 95 |
| SK50-MTA5-105 | 5 | 63 | 105 |
| | | | |
| SK60-MTA3-65 | 3 | 40 | 65 |
| SK60-MTA4-95 | 4 | 48 | 95 |
| SK60-MTA5-105 | 5 | 63 | 105 |
| SK60-MTA6-170 | 6 | 85 | 170 |

# Morse Taper Adapter with Drawbar
# 带螺纹孔莫氏刀柄

| DIN6364 | A ↗ | RPM |
|---|---|---|
| | ≤0.005 | G6.3/15000 |



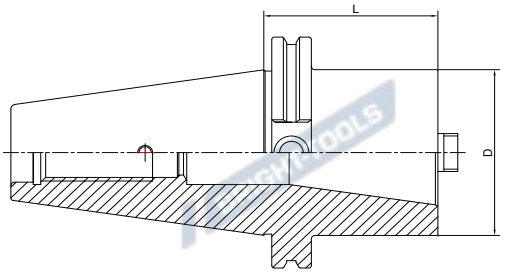



| Size | MT. NO. | D | L |
|---|---|---|---|
| SK40-MTB1-50 | 1 | 25 | 50 |
| SK40-MTB2-50 | 2 | 32 | 50 |
| SK40-MTB3-70 | 3 | 40 | 70 |
| SK40-MTB4-95 | 4 | 48 | 95 |
| | | | |
| SK50-MTB1-45 | 1 | 25 | 45 |
| SK50-MTB2-60 | 2 | 32 | 60 |
| SK50-MTB3-65 | 3 | 40 | 65 |
| SK50-MTB4-70 | 4 | 48 | 70 |
| SK50-MTB5-100 | 5 | 63 | 100 |
| | | | |
| SK60-MTB3-65 | 3 | 40 | 65 |
| SK60-MTB4-70 | 4 | 48 | 70 |
| SK60-MTB5-100 | 5 | 63 | 100 |
| SK60-MTB6-150 | 6 | 85 | 150 |

## Tool Holder Adapter Sleeve
## 转换刀柄

| A ↗ | RPM |
|---|---|
| ≤0.005 | G6.3/15000 |





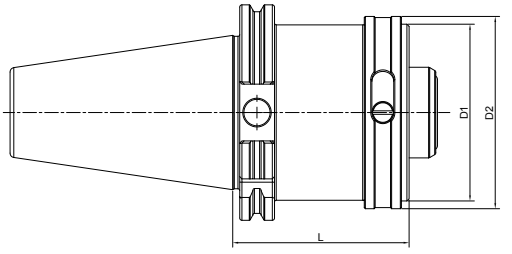

SK

| Size | L | D |
|---|---|---|
| SK40-SK30-50 | 50 | 50 |
| SK40-SK40-100 | 100 | 63 |
| | | |
| SK50-SK40-70 | 70 | 70 |
| SK50-SK50-120 | 120 | 97 |
| | | |
| SK60-SK50-100 | 100 | 97 |

## Tool Holder Adapter Sleeve
## 转换刀柄

| A ↗ | |
|---|---|
| ≤0.005 | AD |



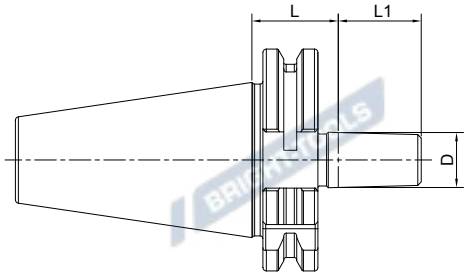



| Size | D1 | D2 | L |
|---|---|---|---|
| SK30-HSK32C-40 | 32 | 37 | 40 |
| SK30-HSK40C-60 | 40 | 45 | 60 |
| | | | |
| SK40-HSK32C-40 | 32 | 37 | 40 |
| SK40-HSK40C-40 | 40 | 45 | 40 |
| SK40-HSK50C-60 | 50 | 55 | 60 |
| SK40-HSK63C-75 | 63 | 70 | 75 |
| | | | |
| SK50-HSK32C-40 | 32 | 37 | 40 |
| SK50-HSK40C-40 | 40 | 45 | 40 |
| SK50-HSK50C-40 | 50 | 55 | 40 |
| SK50-HSK63C-40 | 63 | 70 | 40 |
| SK50-HSK80C-80 | 80 | 87 | 80 |
| SK50-HSK100C-95 | 100 | 110 | 95 |

## Drill Chuck Adapter
## 钻接杆

| DIN238 | A ↗ | RPM |
|---|---|---|
| | ≤0.005 | G6.3/15000 |

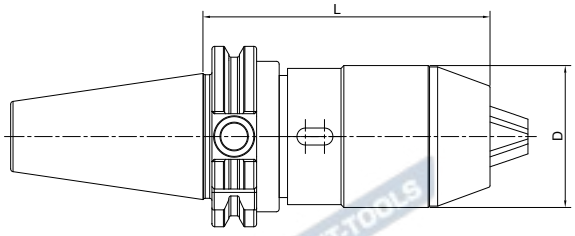





| Size | D | L1 | L |
|---|---|---|---|
| SK30-B12 | B12 | 18.5 | 25 |
| SK30-B16 | B16 | 24 | 25 |
| | | | |
| SK40-B12 | B12 | 18.5 | 25 |
| SK40-B16 | B16 | 24 | 25 |
| SK40-B18 | B18 | 32 | 25 |
| | | | |
| SK50-B12 | B12 | 18.5 | 25 |
| SK50-B16 | B16 | 24 | 25 |
| SK50-B18 | B18 | 32 | 25 |

## APU Drill Chuck Holder
## APU 钻夹头刀柄



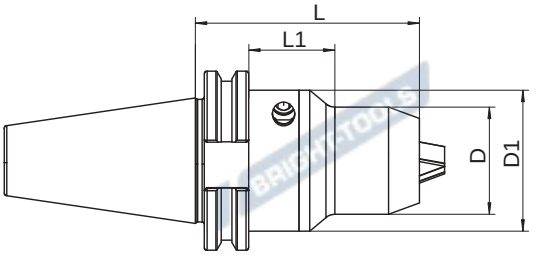



| Size | D | L | Capacity |
|---|---|---|---|
| SK30-APU8-80 | 38 | 80 | 1-8 |
| SK30-APU13-120 | 48 | 120 | 1-13 |
| SK30-APU16-130 | 53 | 130 | 3-16 |
| | | | |
| SK40-APU08-85 | 38 | 85 | 1-8 |
| SK40-APU13-100 | 48 | 100 | 1-13 |
| SK40-APU16-110 | 53 | 110 | 3-16 |
| | | | |
| SK50-APU8-75 | 38 | 75 | 1-8 |
| SK50-APU13-100 | 48 | 100 | 1-13 |
| SK50-APU16-100 | 53 | 100 | 3-16 |

## Precision Drill Chuck Holder
## 精密钻夹头刀柄

| A ↗ | RPM |
|---|---|
| ≤0.03 | G6.3/15000 |

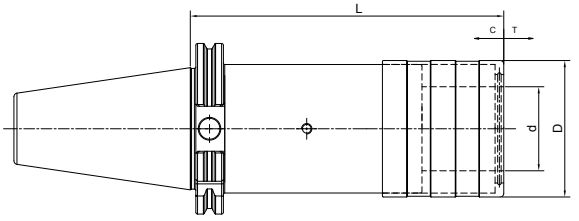





| Size | D | D1 | L | L1 | Capacity |
|---|---|---|---|---|---|
| SK40-CPU10-80 | 38 | 50 | 80 | 28.9 | 1-10 |
| SK40-CPU13-90 | 50 | - | 90 | - | 1-13 |
| SK40-CPU16-90 | 50 | - | 90 | - | 1-16 |
| | | | | | |
| SK50-CPU13-100 | 50 | - | 100 | - | 1-13 |
| SK50-CPU16-100 | 50 | - | 100 | - | 1-16 |

## Quick Change Tapping Chuck with Length Compensation
## 弹性快换攻丝刀柄



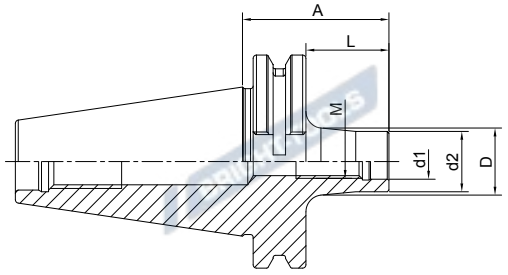



| Size | D | d | L | T | C |
|---|---|---|---|---|---|
| SK30-TC312-65 | 36 | 19 | 65 | 7.5 | 7.5 |
| SK30-TC820-99 | 54 | 31 | 99 | 12.5 | 12.5 |
| | | | | | |
| SK40-TC312-59 | 36 | 19 | 59 | 7.5 | 7.5 |
| SK40-TC820-97 | 54 | 31 | 97 | 12.5 | 12.5 |
| SK40-TC1433-156 | 78 | 48 | 156 | 22 | 22 |
| | | | | | |
| SK50-TC312-63 | 36 | 19 | 63 | 7.5 | 7.5 |
| SK50-TC820-97 | 54 | 31 | 97 | 12.5 | 12.5 |
| SK50-TC1433-140 | 78 | 48 | 140 | 22 | 22 |

# Screw-in Milling Cutter Holder
# 锁牙刀柄，锥柄型

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G6.3/15000 | AD |



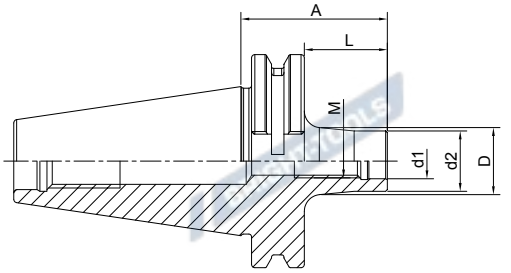



| Size | M | d1 | d2 | A | L | D |
|---|---|---|---|---|---|---|
| SK40-SOM08-44 L=25 | 8 | 8.5 | 14.5 | 44 | 25 | 15 |
| SK40-SOM08-69 L=50 | 8 | 8.5 | 14.5 | 69 | 50 | 23 |
| SK40-SOM08-94 L=75 | 8 | 8.5 | 14.5 | 94 | 75 | 23 |
| SK40-SOM08-119 L=100 | 8 | 8.5 | 14.5 | 119 | 100 | 25 |
| | | | | | | |
| SK40-SOM10-24 L=5 | 10 | 10.5 | 18 | 24 | 5 | 18 |
| SK40-SOM10-44 L=25 | 10 | 10.5 | 18 | 44 | 25 | 20 |
| SK40-SOM10-69 L=50 | 10 | 10.5 | 18 | 69 | 50 | 23 |
| SK40-SOM10-94 L=75 | 10 | 10.5 | 18 | 94 | 75 | 28 |
| SK40-SOM10-119 L=100 | 10 | 10.5 | 18 | 119 | 100 | 32 |
| SK40-SOM10-169 L=150 | 10 | 10.5 | 18 | 169 | 150 | 36.5 |
| | | | | | | |
| SK40-SOM12-24 L=5 | 12 | 12.5 | 21 | 24 | 5 | 21 |
| SK40-SOM12-44 L=25 | 12 | 12.5 | 21 | 44 | 25 | 24 |
| SK40-SOM12-69 L=50 | 12 | 12.5 | 21 | 69 | 50 | 24 |
| SK40-SOM12-94 L=75 | 12 | 12.5 | 21 | 94 | 75 | 31 |
| SK40-SOM12-119 L=100 | 12 | 12.5 | 21 | 119 | 100 | 33 |
| SK40-SOM12-144 L=125 | 12 | 12.5 | 21 | 144 | 125 | 36 |
| SK40-SOM12-169 L=150 | 12 | 12.5 | 21 | 169 | 150 | 40 |
| | | | | | | |
| SK40-SOM16-24 L=5 | 16 | 17 | 29 | 24 | 5 | 29 |
| SK40-SOM16-44 L=25 | 16 | 17 | 29 | 44 | 25 | 29 |
| SK40-SOM16-69 L=50 | 16 | 17 | 29 | 69 | 50 | 34 |
| SK40-SOM16-94 L=75 | 16 | 17 | 29 | 94 | 75 | 34 |
| SK40-SOM16-119 L=100 | 16 | 17 | 29 | 119 | 100 | 36 |
| SK40-SOM16-144 L=125 | 16 | 17 | 29 | 144 | 125 | 40 |
| SK40-SOM16-169 L=150 | 16 | 17 | 29 | 169 | 150 | 42.5 |

# Screw-in Milling Cutter Holder
## 锁牙刀柄，锥柄型

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G6.3/15000 | AD |





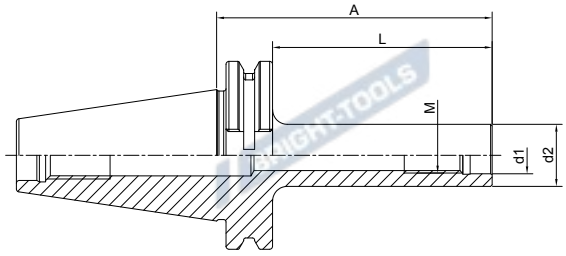

SK

| Size | M | d1 | d2 | A | L | D |
|---|---|---|---|---|---|---|
| SK50-SOM08-69 L=50 | 8 | 8.5 | 14.5 | 69 | 50 | 23 |
| SK50-SOM08-119 L=100 | 8 | 8.5 | 14.5 | 119 | 100 | 25 |
| SK50-SOM08-169 L=150 | 8 | 8.5 | 14.5 | 169 | 150 | 30 |
| SK50-SOM10-69 L=50 | 10 | 10.5 | 18 | 69 | 50 | 23 |
| SK50-SOM10-119 L=100 | 10 | 10.5 | 18 | 119 | 100 | 32 |
| SK50-SOM10-169 L=150 | 10 | 10.5 | 18 | 169 | 150 | 36.5 |
| SK50-SOM12-69 L=50 | 12 | 12.5 | 21 | 69 | 50 | 24 |
| SK50-SOM12-119 L=100 | 12 | 12.5 | 21 | 119 | 100 | 33 |
| SK50-SOM12-169 L=150 | 12 | 12.5 | 21 | 169 | 150 | 40 |
| SK50-SOM16-69 L=50 | 16 | 17 | 29 | 69 | 50 | 34 |
| SK50-SOM16-119 L=100 | 16 | 17 | 29 | 119 | 100 | 36 |
| SK50-SOM16-169 L=150 | 16 | 17 | 29 | 169 | 150 | 42.5 |

# Screw-in Milling Cutter Holder
# 锁牙刀柄，直柄型

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G6.3/15000 | AD |



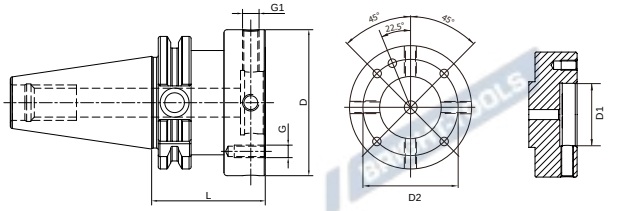



| Size | M | d1 | d2 | A | L |
|---|---|---|---|---|---|
| SK40-M10-119 L=100 | 10 | 10.5 | 18 | 119 | 100 |
| SK40-M10-169 L=150 | 10 | 10.5 | 18 | 169 | 150 |
| SK40-M12-119 L=100 | 12 | 12.5 | 21 | 119 | 100 |
| SK40-M12-144 L=125 | 12 | 12.5 | 21 | 144 | 125 |
| SK40-M12-169 L=150 | 12 | 12.5 | 21 | 169 | 150 |
| SK40-M16-119 L=100 | 16 | 17 | 29 | 119 | 100 |
| SK40-M16-144 L=125 | 16 | 17 | 29 | 144 | 125 |
| SK40-M16-169 L=150 | 16 | 17 | 29 | 169 | 150 |
| | | | | | |
| SK50-M10-119 L=100 | 10 | 10.5 | 18 | 119 | 100 |
| SK50-M10-169 L=150 | 10 | 10.5 | 18 | 169 | 150 |
| SK50-M12-119 L=100 | 12 | 12.5 | 21 | 119 | 100 |
| SK50-M12-169 L=150 | 12 | 12.5 | 21 | 169 | 150 |
| SK50-M16-119 L=100 | 16 | 17 | 29 | 119 | 100 |
| SK50-M16-169 L=150 | 16 | 17 | 29 | 169 | 150 |

## Runout Adjustable Flange Adapter
## 可调节精度法兰刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.002 | G2.5/25000 | AD |



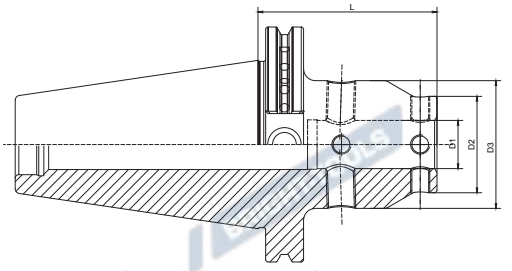



| Size | D | D1 | D2 | L | G | G1 |
|---|---|---|---|---|---|---|
| SK30-MOD060-050 | 60 | 30 | 44 | 50 | M5 | M8x1 |
| SK30-MOD070-050 | 70 | 35 | 53 | 50 | M6 | M8x1 |
| | | | | | | |
| SK40-MOD060-050 | 60 | 30 | 44 | 50 | M5 | M8x1 |
| SK40-MOD070-050 | 70 | 35 | 53 | 50 | M6 | M8x1 |
| SK40-MOD080-055 | 80 | 40 | 63 | 55 | M6 | M8x1 |
| SK40-MOD100-060 | 100 | 50 | 79 | 60 | M8 | M10x1 |
| | | | | | | |
| SK50-MOD060-050 | 60 | 30 | 44 | 50 | M5 | M8x1 |
| SK50-MOD070-050 | 70 | 35 | 53 | 50 | M6 | M8x1 |
| SK50-MOD080-050 | 80 | 40 | 63 | 50 | M6 | M8x1 |
| SK50-MOD100-060 | 100 | 50 | 79 | 60 | M8 | M10x1 |
| SK50-MOD117-060 | 117 | 60 | 96 | 60 | M8 | M10x1 |
| SK50-MOD140-060 | 140 | 80 | 119 | 60 | M10 | M10x1 |

## UM Adjustable Tool Holder
## UM 调零刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |

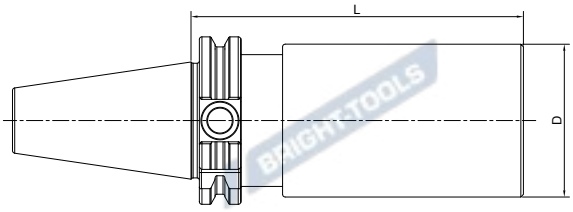





| Size | D1 | D2 | D3 | L |
|---|---|---|---|---|
| SK40-UM12-65 | 12 | 28 | 44.5 | 65 |
| SK40-UM16-65 | 16 | 32 | 48 | 65 |
| SK40-UM20-85 | 20 | 40 | 53 | 85 |
| SK40-UM25-100 | 25 | 48 | 63 | 100 |
| SK40-UM32-105 | 32 | 52 | 63 | 105 |
| | | | | |
| SK50-UM12-65 | 12 | 28 | 44.5 | 65 |
| SK50-UM16-65 | 16 | 32 | 48 | 65 |
| SK50-UM20-75 | 20 | 40 | 53 | 75 |
| SK50-UM25-85 | 25 | 48 | 63 | 85 |
| SK50-UM32-90 | 32 | 52 | 63 | 90 |

## Boring Bar Blank
## 基础柄





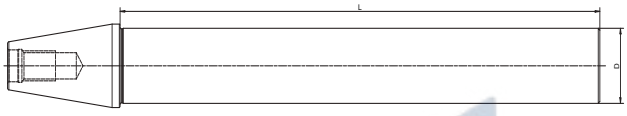

| Size | D | L |
|---|---|---|
| SK30-D50-200 | 50 | 200 |
| | | |
| SK40-D50-200 | 50 | 200 |
| SK40-D50-250 | 50 | 250 |
| SK40-D63-250 | 63 | 250 |
| | | |
| SK50-D100-160 | 100 | 160 |
| SK50-D100-250 | 100 | 250 |

Other sizes can be made by request.

## Test Arbor
## 主轴检测棒

A ↗
≤0.002

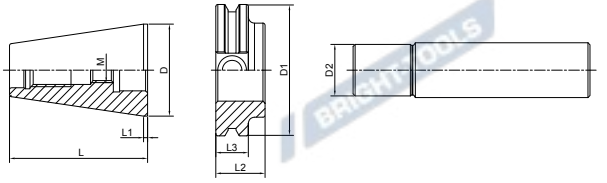





| Size | D | L |
|---|---|---|
| SK30-32-250 | 32 | 250 |
| SK40-40-300 | 40 | 300 |
| SK50-50-300 | 50 | 300 |

## Alignment Tool for ATC Arm
## 调整机械手用组合模具





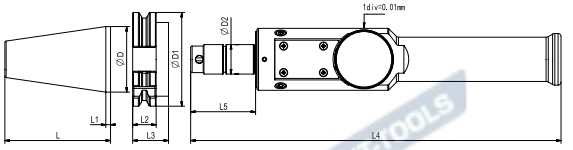

| Size | D | D1 | D2 | L | L1 | L2 | L3 | M |
|---|---|---|---|---|---|---|---|---|
| SK30-ATC-18D | 31.75 | 50 | 18 | 51 | 3.2 | 20 | 15.9 | M12 |
| SK40-ATC-20D | 44.45 | 63.55 | 20 | 71.6 | 3.2 | 25 | 15.9 | M12 |
| SK50-ATC-28D | 69.85 | 97.5 | 28 | 104.95 | 3.2 | 35 | 15.9 | M16 |

**Usage:**
1) Put the Taper to the machine Spindle
2) Install flange to the ATC arm
3) Insert Pin into the flange
4) Adjust ATC arm and make sure the pin front part into the flange completely.

使用方法：
1) 将锥度安装到机床主轴上
2) 将法兰安装到 ATC 臂上
3) 将销钉插入法兰中
4) 调整 ATC 臂并确保销钉前部完全进入法兰中。

## Alignment Tool for ATC Arm
## 调整机械手用组合模具






| Size | D | D1 | D2 | L | L1 | L2 | L3 | L4 | L5 |
|---|---|---|---|---|---|---|---|---|---|
| SK40-ATC20 | 44.45 | 63.55 | 20 | 71.6 | 3.2 | 15.9 | 24.3 | 251 | 44 |
| SK50-ATC28 | 69.85 | 97.5 | 28 | 104.95 | 3.2 | 15.9 | 35.3 | 261 | 54 |

**Usage:**
1. Install the calibration taper to the machine spindle.
2. Install the calibration flange on the ATC machine.
3. Insert the calibration pin into the calibration flange.
4. Rotate the calibration pin to find the maximum and minimum positions of the pointer.
value position of the pointer. This direction is the direction of eccentricity, and the amount of eccentricity is half of the difference.
5. Adjust the ATC manipulator and ensure that the front of the calibration pin is fully inserted into the flange.

使用方法
1. 将校正锥柄安装到机床主轴。
2. 将校正法兰安装在 ATC 机械手上。
3. 将校正销棒插入校正法兰。
4. 旋转校正销棒，找到指针的最大值位置和最小值位置。
该方向即偏心方向，偏心量为差值的一半。
5. 调整 ATC 机械手并确保校正销棒前端完全插入法兰中。

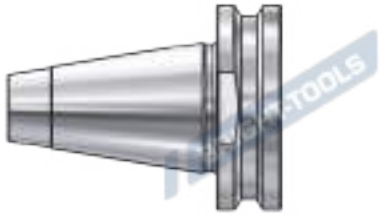
BRIGHT-TOOLS

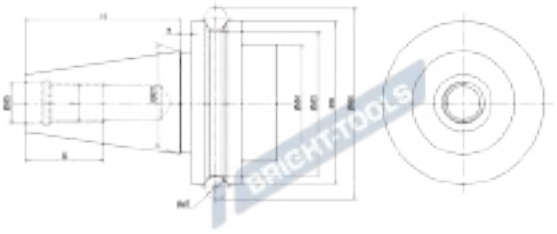
# ISO

## TOOL HOLDERS

BRIGHT-TOOLS

# ISO Taper Standard
# ISO 锥柄标准







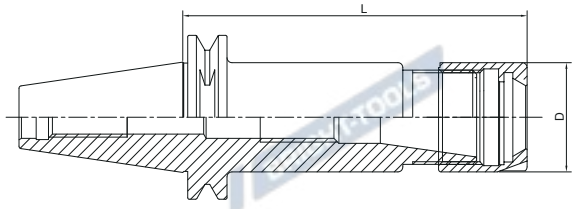
| Size | D | d1 | d2 | d3 | d4 | d5 | d7 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| ISO30 | 50 | 31.75 | 59.3 | 44.3 | 45 | 13 | 7 | 47.8 | 24 |
| ISO40 | 63.55 | 44.45 | 72.3 | 56.25 | 50 | 17 | 7 | 68.4 | 32 |

**Material:** Alloyed case hardened steel
**Surface Treatment:** Blackening and Bright
**Taper tolerance:** <AT3
**Hardness:** HRC 56-60
**Carbon depth:** 0.8±0.2mm
**Surface Roughness:** Ra<0.2μm
**Balancing:** G2.5/25000
**Cooling:** AD

## ER Collet Chuck without Drive Slots
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |



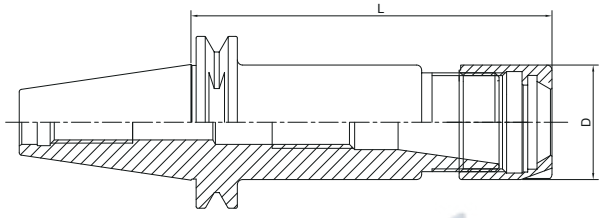



| Size | D | L | Capacity |
|---|---|---|---|
| ISO10-ER11-25 | 19 | 25 | 1-7 |
| ISO20-ER16-35 | 28 | 35 | 1-10 |
| ISO20-ER20-35 | 34 | 35 | 1-13 |
| ISO25-ER16-35 | 28 | 35 | 1-10 |
| ISO25-ER20-35 | 34 | 35 | 1-13 |
| ISO30-ER16-50 | 28 | 50 | 1-10 |
| ISO30-ER20-50 | 34 | 50 | 1-13 |

## ER Collet Chuck without Drive Slots
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |



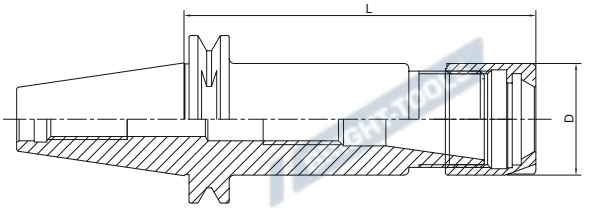



| Size | D | L | Capacity |
|---|---|---|---|
| ISO20-ER16MS-35 | 22 | 35 | 1-10 |
| ISO20-ER20MS-35 | 28 | 35 | 1-13 |
| ISO25-ER16MS-35 | 22 | 35 | 1-10 |
| ISO25-ER20MS-35 | 28 | 35 | 1-13 |
| ISO25-ER25MS-35 | 35 | 35 | 2-16 |

## ER Collet Chuck without Drive Slots
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |



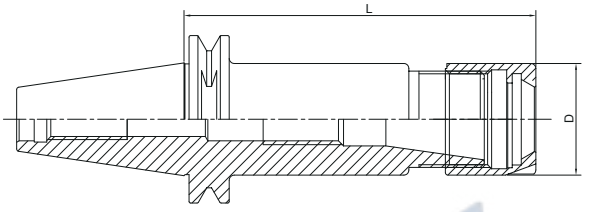



| Size | D | L | Capacity |
|---|---|---|---|
| ISO25-ER25-35 | 42 | 35 | 2-16 |
| ISO30-ER25-50 | 42 | 50 | 2-16 |
| ISO30-ER32-50 | 50 | 50 | 2-20 |
| ISO30-ER40-60 | 63 | 60 | 3-26 |

## ER Collet Chuck without Drive Slots
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |






| Size | D | L | Capacity |
|---|---|---|---|
| ISO10-ER11M-25 | 16 | 25 | 1-7 |
| ISO20-ER20M-35 | 28 | 35 | 1-13 |
| ISO25-ER20M-35 | 28 | 35 | 1-13 |
| ISO30-ER25M-50 | 35 | 50 | 2-16 |

BRIGHT-TOOLS

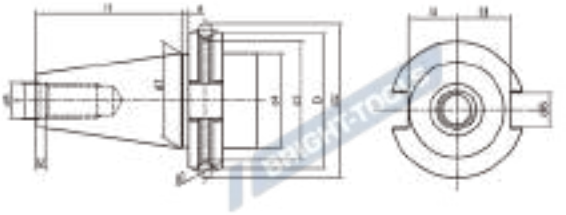
# CAT

## TOOL HOLDERS

BRIGHT-TOOLS

# CAT Taper Standard
# CAT 锥柄标准





| Size | D | d1 | d2 | d3 | d4 | d5 | d6 | d7 | l1 | l2 | l3 | l4 | l5 | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT30 | 1.812 | 1.25 | 2.176 | 1.531 | 1.25 | 0.516 | 0.645 | 0.2813 | 1.875 | 0.188 | 0.735 | 0.64 | 0.44 | 1/2-13 |
| CAT40 | 2.500 | 1.75 | 2.863 | 2.219 | 1.75 | 0.641 | 0.645 | 0.2813 | 2.687 | 0.188 | 0.985 | 0.89 | 0.44 | 5/8-11 |
| CAT50 | 3.875 | 2.75 | 4.238 | 3.594 | 2.75 | 1.020 | 1.020 | 0.2813 | 4.000 | 0.250 | 1.485 | 1.39 | 0.44 | 1-8 |

**Taper standard:** ANSI B5.50
**Material:** Alloyed case hardened steel
**Surface Treatment:** Blackening and Bright
**Taper tolerance:** <AT3
**Hardness:** HRC 56-60
**Carbon depth:** 0.8±0.2mm
**Surface Roughness:** Ra<0.2μm
**Balancing:** G6.3/15000; G2.5/25000
**Cooling:** AD; AD/B can be made by request.

# CAT TOOLING SYSTEM
# CAT 工具系统

ER Collet Chuck ..... F.04
ER弹簧夹头刀柄
ER Collet Chuck,Short ..... F.04
ER弹簧夹头刀柄,超短型
Power Milling Chuck..... F.07
强力铣刀柄
TG Collet Chuck.....F.09
TG 超强力刀柄
Face Mill Holder .....F.10
面铣刀柄
End Mill Holder.....F.11
侧固刀柄
Morse Taper Adapter ..... F.16
带扁尾莫氏刀柄
Tool Holder Adatper Sleeve .....F.16
转换刀柄
Drill Chuck Adapter ..... F.17
钻接杆
APU Drill Chuck Holder ..... F.17
APU钻夹头刀柄
Precision Drill Chuck Holder ..... F.18
精密钻夹头刀柄
Quick Change Tapping Chuck .....F.18
弹性快换攻丝刀柄
Screw-in Milling Cutter Holder.....F.19
SOM 锁牙刀柄
Runout Adjustable Flange Adapter.....F.22
可调节精度法兰刀柄
UM Adjustable .....F.22
UM调零刀柄
Boring Bar Blank .....F.23
基础柄
Test Arbor ..... F.23
主轴检测棒
Alignment Tool for ATC Arm ..... F.24
调整机械手用组合模具





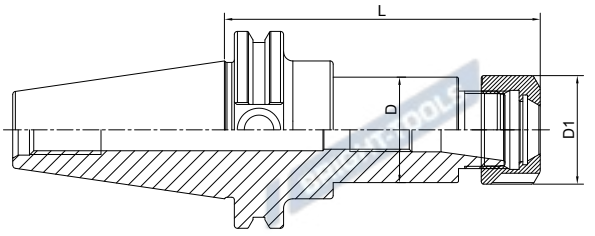




# ER Collet Chuck with UM Nut
# ER 弹簧夹头刀柄

| | A | RPM | |
|---|---|---|---|
| DIN6499 | ≤0.003 | G2.5/25000 | AD |



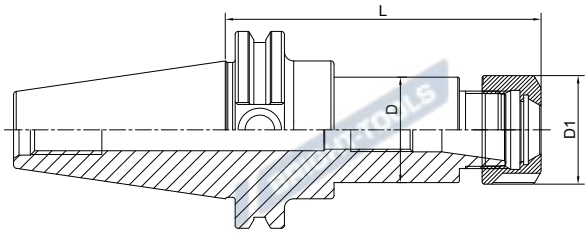



| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| CAT40-ER16UM-2.5" | 28 | 32 | 2.5" | 1-10 |
| CAT40-ER20UM-2.5" | 34 | 35 | 2.5" | 1-13 |
| CAT40-ER25-2.5" | 42 | 42 | 2.5" | 2-16 |
| CAT40-ER32-2.5" | 44.45 | 50 | 2.5" | 2-20 |
| CAT40-ER40-3" | 50 | 63 | 3" | 3-26 |
| CAT40-ER16UM-4" | 28 | 32 | 4" | 1-10 |
| CAT40-ER20UM-4" | 34 | 35 | 4" | 1-13 |
| CAT40-ER25-4" | 42 | 42 | 4" | 2-16 |
| CAT40-ER32-4" | 44.45 | 50 | 4" | 2-20 |
| CAT40-ER40-4" | 50 | 63 | 4" | 3-26 |
| | | | | |
| CAT40-ER16UM-6" | 28 | 32 | 6" | 1-10 |
| CAT40-ER20UM-6" | 34 | 35 | 6" | 1-13 |
| CAT40-ER25-6" | 42 | 42 | 6" | 2-16 |
| CAT40-ER32-6" | 44.45 | 50 | 6" | 2-20 |
| CAT40-ER40-6" | 50 | 63 | 6" | 3-26 |
| CAT40-ER16UM-8" | 28 | 32 | 8" | 1-10 |
| CAT40-ER20UM-8" | 34 | 35 | 8" | 1-13 |
| CAT40-ER25-8" | 42 | 42 | 8" | 2-16 |
| CAT40-ER32-8" | 44.45 | 50 | 8" | 2-20 |
| CAT40-ER40-8" | 50 | 63 | 8" | 3-26 |

# ER Collet Chuck with UM Nut
# ER 弹簧夹头刀柄

| DIN6499 | A ↗ ≤0.003 | RPM G2.5/25000 | AD |
|---|---|---|---|



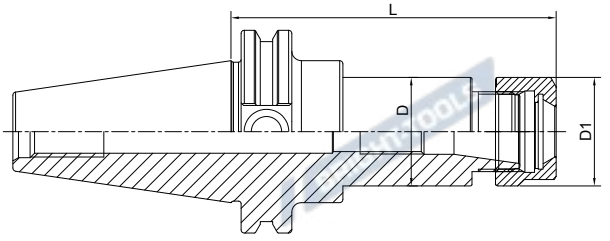



| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| CAT50-ER16UM-2" | 28 | 32 | 2" | 1-10 |
| CAT50-ER20UM-2" | 34 | 35 | 2" | 1-13 |
| CAT50-ER25-2" | 32 | 42 | 2" | 2-16 |
| CAT50-ER32-2" | 44.45 | 50 | 2" | 2-20 |
| | | | | |
| CAT50-ER16UM-4" | 28 | 32 | 4" | 1-10 |
| CAT50-ER20UM-4" | 34 | 35 | 4" | 1-13 |
| CAT50-ER25-4" | 42 | 42 | 4" | 2-16 |
| CAT50-ER32-4" | 50 | 50 | 4" | 2-20 |
| CAT50-ER40-4" | 63 | 63 | 4" | 3-26 |
| CAT50-ER50-4" | 78 | 78 | 4" | 6-34 |
| | | | | |
| CAT50-ER16UM-6" | 28 | 32 | 6" | 1-10 |
| CAT50-ER20UM-6" | 34 | 35 | 6" | 1-13 |
| CAT50-ER25-6" | 42 | 42 | 6" | 2-16 |
| CAT50-ER32-6" | 50 | 50 | 6" | 2-20 |
| CAT50-ER40-6" | 63 | 63 | 6" | 3-26 |
| | | | | |
| CAT50-ER16UM-8" | 28 | 32 | 8" | 1-10 |
| CAT50-ER20UM-8" | 34 | 35 | 8" | 1-13 |
| CAT50-ER25-8" | 42 | 42 | 8" | 2-16 |
| CAT50-ER32-8" | 50 | 50 | 8" | 2-20 |
| CAT50-ER40-8" | 63 | 63 | 8" | 3-26 |

## ER Collet Chuck with Hex Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ ≤0.003 | RPM G2.5/25000 | AD |
|---|---|---|---|



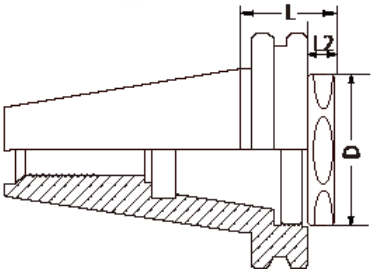



| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| CAT40-ER11-2.5" | 19 | 19 | 2.5" | 1-7 |
| CAT40-ER16-2.5 | 44.45 | 28 | 2.5" | 1-10 |
| CAT40-ER20-2.5 | 34 | 34 | 2.5" | 1-13 |
| CAT40-ER11-4" | 19 | 19 | 4" | 1-7 |
| CAT40-ER16-4" | 28 | 28 | 4" | 1-10 |
| CAT40-ER20-4" | 34 | 34 | 4" | 1-13 |
| CAT40-ER11-6" | 19 | 19 | 6" | 1-7 |
| CAT40-ER16-6" | 28 | 28 | 6" | 1-10 |
| CAT40-ER20-6" | 34 | 34 | 6" | 1-13 |
| CAT40-ER16-8" | 28 | 28 | 8" | 1-10 |
| CAT40-ER20-8" | 34 | 34 | 8" | 1-13 |
| | | | | |
| CAT50-ER16-2" | 28 | 28 | 2" | 1-10 |
| CAT50-ER20-2" | 34 | 34 | 2" | 1-13 |
| CAT50-ER16-4" | 28 | 28 | 4" | 1-10 |
| CAT50-ER20-4" | 34 | 34 | 4" | 1-13 |
| CAT50-ER16-6" | 28 | 28 | 6" | 1-10 |
| CAT50-ER20-6" | 34 | 34 | 6" | 1-13 |
| CAT50-ER16-8" | 28 | 28 | 8" | 1-10 |
| CAT50-ER20-8" | 34 | 34 | 8" | 1-13 |

## ER Collet Chuck，Short
## ER 弹簧夹头刀柄，超短型

| DIN6499 | A ↗ ≤0.003 | RPM G2.5/25000 | AD |
|---|---|---|---|





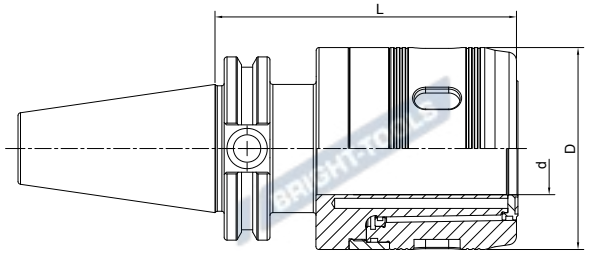

| Size | D | L | L1 |
|---|---|---|---|
| CAT40-ER25-1.1" | 29.5 | 1.1" | 0.35" |
| CAT40-ER32-1.1" | 37.5 | 1.1" | 0.35" |

# Power Milling Chuck
# 强力铣刀柄

A ≤0.008

AD






| Size | d | D | L | Collet |
|---|---|---|---|---|
| CAT40-HC3/4"-4" | 3/4" | 50 | 4" | C3/4" |
| CAT40-HC1"-4" | 1" | 59 | 4" | C1" |
| CAT40-HC1-1/4"-5" | 1.25" | 70 | 5" | C1-1/4" |
| | | | | |
| CAT50-HC3/4"-4' | 3/4" | 50 | 4" | C3/4" |
| CAT50-HC1"-4" | 1" | 59 | 4" | C1" |
| CAT50-HC1-1/4"-4" | 1.25" | 70 | 4" | C1-1/4" |

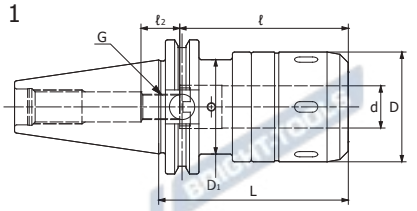
# Power Milling Chuck
# 强力铣刀柄

NEW

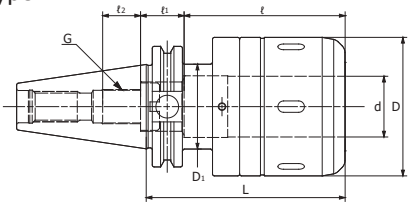
≤0.005 AD



Type 1




Type 2

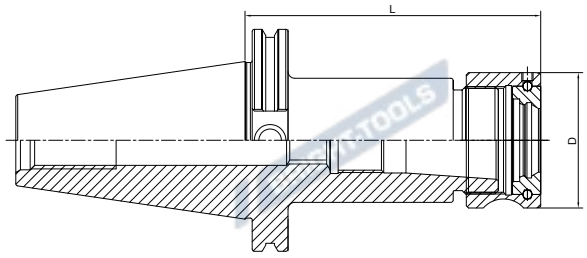



| Size | Type | d | D | D1 | L | ℓ | ℓ1 | ℓ2 | G |
|---|---|---|---|---|---|---|---|---|---|
| CAT40-CT16SA-90 | 1 | 0.630 | 1.772 | 1.750 | 3.543 | 2.559 | - | 0.787 | BL16 |
| CAT40-CT20SA-90 | 1 | 0.787 | 2.047 | 1.750 | 3.543 | 3.150 | - | 0.591 | BL20 |
| CAT40-CT20SA-105 | 1 | 0.787 | 2.047 | 1.750 | 4.134 | 3.150 | - | 0.591 | BL20 |
| CAT40-CT20SA-120 | 1 | 0.787 | 2.047 | 1.750 | 4.724 | 3.150 | - | 0.591 | BL20 |
| CAT40-CT25SA-105 | 1 | 0.984 | 2.402 | 1.750 | 4.134 | 3.150 | - | 0.591 | BL20 |
| CAT40-CT25SA-120 | 1 | 0.984 | 2.402 | 1.750 | 4.724 | 3.150 | - | 0.591 | BL20 |
| CAT40-CT25SA-135 | 1 | 0.984 | 2.402 | 1.750 | 5.315 | 3.150 | - | 0.591 | BL20 |
| CAT40-CT32SA-105 | 2 | 1.260 | 2.874 | 1.750 | 4.134 | 3.346 | 0.906 | 0.787 | BL32 |
| CAT40-CT32SA-120 | 2 | 1.260 | 2.874 | 1.750 | 4.724 | 3.346 | 0.906 | 0.787 | BL32 |
| CAT40-CT32SA-135 | 2 | 1.260 | 2.874 | 1.750 | 5.315 | 4.724 | - | 0.787 | BL32 |
| CAT50-CT16SA-90 | 1 | 0.630 | 1.772 | 2.750 | 3.543 | 2.559 | - | 0.787 | BL16 |
| CAT50-CT16SA-105 | 1 | 0.630 | 1.772 | 2.750 | 4.134 | 2.559 | - | 0.787 | BL16 |
| CAT50-CT20SA-90 | 1 | 0.787 | 2.047 | 2.750 | 3.543 | 3.150 | - | 0.591 | BL20 |
| CAT50-CT20SA-105 | 1 | 0.787 | 2.047 | 2.750 | 4.134 | 3.150 | - | 0.591 | BL20 |
| CAT50-CT20SA-135 | 1 | 0.787 | 2.047 | 2.750 | 5.315 | 3.150 | - | 0.591 | BL20 |
| CAT50-CT25SA-105 | 1 | 0.984 | 2.402 | 2.750 | 4.134 | 3.150 | - | 0.591 | BL20 |
| CAT50-CT25SA-135 | 1 | 0.984 | 2.402 | 2.750 | 5.315 | 3.150 | - | 0.591 | BL20 |
| CAT50-CT25SA-165 | 1 | 0.984 | 2.402 | 2.750 | 6.496 | 3.150 | - | 0.591 | BL20 |
| CAT50-CT32SA-95 | 1 | 1.260 | 2.874 | 2.750 | 3.740 | 4.724 | - | 0.787 | BL32 |
| CAT50-CT32SA-105 | 1 | 1.260 | 2.874 | 2.750 | 4.134 | 4.724 | - | 0.787 | BL32 |
| CAT50-CT32SA-120 | 1 | 1.260 | 2.874 | 2.750 | 4.724 | 4.724 | - | 0.787 | BL32 |
| CAT50-CT32SA-135 | 1 | 1.260 | 2.874 | 2.750 | 5.315 | 4.724 | - | 0.787 | BL32 |
| CAT50-CT32SA-150 | 1 | 1.260 | 2.874 | 2.750 | 5.906 | 4.724 | - | 0.787 | BL32 |
| CAT50-CT32SA-165 | 1 | 1.260 | 2.874 | 2.750 | 6.496 | 4.724 | - | 0.787 | BL32 |
| CAT50-CT42SA-105 | 1 | 1.654 | 3.465 | 2.750 | 4.134 | 4.724 | - | 0.787 | BL32 |
| CAT50-CT42SA-120 | 1 | 1.654 | 3.465 | 2.750 | 4.724 | 4.724 | - | 0.787 | BL32 |
| CAT50-CT42SA-135 | 1 | 1.654 | 3.465 | 2.750 | 5.315 | 4.724 | - | 0.787 | BL32 |
| CAT50-CT42SA-150 | 1 | 1.654 | 3.465 | 2.750 | 5.906 | 4.724 | - | 0.787 | BL32 |
| CAT50-CT42SA-165 | 1 | 1.654 | 3.465 | 2.750 | 6.496 | 4.724 | - | 0.787 | BL32 |

# TG Collet Chuck
# TG 超强力刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G2.5/20000 | AD |






| Size | D | L | Collet | Capacity |
|---|---|---|---|---|
| CAT40-TG75-2.54" | 1.968" | 2.54" | TG 75 | 0.094 - 0.75" |
| CAT40-TG100-2.76" | 2.362" | 2.76" | TG 100 | 0.094 - 1.0" |

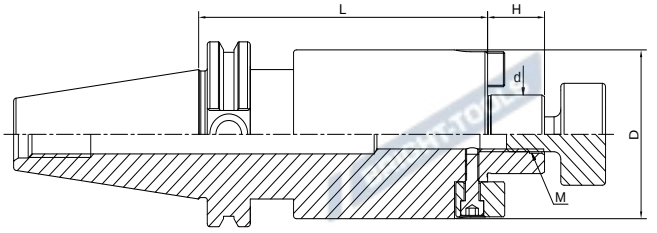
| RPM |
|---|
| G6.3/15000 |

| Size | D | L | Collet | Capacity |
|---|---|---|---|---|
| CAT50-TG75-2.54" | 1.968" | 2.54" | TG 75 | 0.094 - 0.75" |
| CAT50-TG100-3.26" | 2.362" | 3.26" | TG 100 | 0.094 - 1.0" |

# Face Mill Holder Inch
# 英制面铣刀柄

| A ↗ | RPM |
|---|---|
| ≤0.005 | G2.5/25000 |



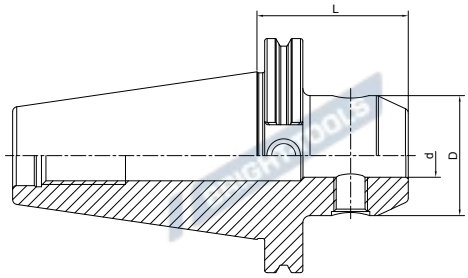



| Size | d | D | L | H | M |
|---|---|---|---|---|---|
| CAT40-FMA1/2"-1.75" | 1/2" | 36.576 | 1.75" | 13.97 | 1/4-28 |
| CAT40-FMA3/4"-1.75" | 3/4" | 42.926 | 1.75" | 17.45 | 3/8-24 |
| CAT40-FMA1"-2" | 1" | 55.626 | 2" | 17.45 | 1/2-20 |
| CAT40-FMA1-1/4"-2" | 1-1/4" | 69.85 | 2" | 17.45 | 5/8-18 |
| CAT40-FMA1-1/2"-2" | 1-1/2" | 78 | 2" | 23.83 | 3/4-16 |
| CAT40-FMA1/2"-4" | 1/2" | 36.576 | 4" | 13.97 | 1/4-28 |
| CAT40-FMA3/4"-4" | 3/4" | 42.926 | 4" | 17.45 | 3/8-24 |
| CAT40-FMA1"-4" | 1" | 55.626 | 4" | 17.45 | 1/2-20 |
| CAT40-FMA1-1/4"-4" | 1-1/4" | 69.85 | 4" | 17.45 | 5/8-18 |
| CAT40-FMA1-1/2"-4" | 1-1/2" | 78 | 4" | 23.83 | 3/4-16 |
| CAT40-FMA3/4"-6" | 3/4" | 42.926 | 6" | 17.45 | 3/8-24 |
| CAT40-FMA1"-6" | 1" | 55.626 | 6" | 17.45 | 1/2-20 |
| CAT40-FMA3/4"-8" | 3/4" | 42.926 | 8" | 17.45 | 3/8-24 |
| CAT40-FMA1"-8" | 1" | 55.626 | 8" | 17.45 | 1/2-20 |
| | | | | | |
| CAT50-FMA1/2"-1.38" | 1/2" | 36.576 | 1.38" | 13.97 | 1/4-28 |
| CAT50-FMA3/4"-2" | 3/4" | 42.926 | 2" | 17.45 | 3/8-24 |
| CAT50-FMA1"-2" | 1" | 55.626 | 2" | 17.45 | 1/2-20 |
| CAT50-FMA1-1/4"-2" | 1-1/4" | 69.85 | 2" | 17.45 | 5/8-18 |
| CAT50-FMA1-1/2"-2" | 1-1/2" | 78 | 2" | 23.83 | 3/4-16 |
| CAT50-FMA2"-2" | 2" | 98 | 2" | 23.83 | 1-14 |
| CAT50-FMA3/4"-4" | 3/4" | 42.926 | 4" | 17.45 | 3/8-24 |
| CAT50-FMA1"-4" | 1" | 55.626 | 4" | 17.45 | 1/2-20 |
| CAT50-FMA1-1/4"-4" | 1-1/4" | 69.85 | 4" | 17.45 | 5/8-18 |
| CAT50-FMA1-1/2"-4" | 1-1/2" | 78 | 4" | 23.83 | 3/4-16 |
| CAT50-FMA2"-4" | 2" | 98 | 4" | 23.83 | 1-14 |
| CAT50-FMA3/4"-6" | 3/4" | 42.926 | 6" | 17.45 | 3/8-24 |
| CAT50-FMA1"-6" | 1" | 55.626 | 6" | 17.45 | 1/2-20 |
| CAT50-FMA1-1/4"-6" | 1-1/4" | 69.85 | 6" | 17.45 | 5/8-18 |
| CAT50-FMA1-1/2"-6" | 1-1/2" | 78 | 6" | 23.83 | 3/4-16 |
| CAT50-FMA3/4"-8" | 3/4" | 42.926 | 8" | 17.45 | 3/8-24 |
| CAT50-FMA1"-8" | 1" | 55.626 | 8" | 17.45 | 1/2-20 |
| CAT50-FMA1-1/4"-8" | 1-1/4" | 69.85 | 8" | 17.45 | 5/8-18 |
| CAT50-FMA1-1/2"-8" | 1-1/2" | 78 | 8" | 23.83 | 3/4-16 |

# End Mill Holder Weldon
# 侧固刀柄

| | A | RPM | |
|---|---|---|---|
| DIN6359/1835B | ≤0.005 | G2.5/20000 | AD |



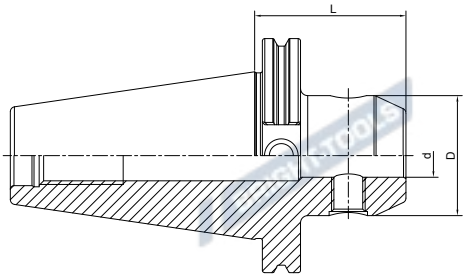



| Size | d | D | L |
|---|---|---|---|
| CAT40-SLA1/8"-1.38" | 1/8" | 17.526 | 1.38" |
| CAT40-SLA3/16"-1.38" | 3/16" | 17.526 | 1.38" |
| CAT40-SLA1/4"-1.38" | 1/4" | 19.81 | 1.38" |
| CAT40-SLA5/16"-1.38" | 5/16" | 22.225 | 1.38" |
| CAT40-SLA3/8"-1.38" | 3/8" | 25.4 | 1.38" |
| CAT40-SLA1/2"-1.75" | 1/2" | 31.75 | 1.75" |
| CAT40-SLA5/8"-1.75" | 5/8" | 38.1 | 1.75" |
| CAT40-SLA3/4"-1.75" | 3/4" | 44.45 | 1.75" |
| CAT40-SLA7/8"-1.75" | 7/8" | 47.625 | 1.75" |
| CAT40-SLA1"-1.75" | 1" | 50.8 | 1.75" |
| CAT40-SLA1-1/4"-2" | 1-1/4" | 63.5 | 2" |
| | | | |
| CAT40-SLA1/8"-2.5" | 1/8" | 17.526 | 2.5" |
| CAT40-SLA3/16"-2.5" | 3/16" | 17.526 | 2.5" |
| CAT40-SLA1/4"-2.5" | 1/4" | 19.81 | 2.5" |
| CAT40-SLA5/16"-2.5" | 5/16" | 22.225 | 2.5" |
| CAT40-SLA3/8"-2.5" | 3/8" | 25.4 | 2.5" |
| CAT40-SLA7/16"-2.5" | 7/16" | 28.575 | 2.5" |
| CAT40-SLA1/2"-2.5" | 1/2" | 31.75 | 2.5" |
| CAT40-SLA5/8-3" | 5/8" | 38.1 | 3" |
| CAT40-SLA3/4"-3" | 3/4" | 44.45 | 3" |
| CAT40-SLA7/8"-3.5" | 7/8" | 47.625 | 3.5" |
| CAT40-SLA1"-3" | 1" | 50.8 | 2" |

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ ≤0.005 | RPM G2.5/20000 | AD |
|---|---|---|---|



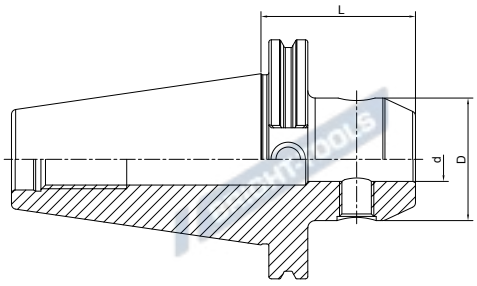



| Size | d | D | L |
|---|---|---|---|
| CAT40-SLA1/8"-4" | 1/8" | 17.526 | 4" |
| CAT40-SLA3/16"-4" | 3/16" | 17.526 | 4" |
| CAT40-SLA1/4"-4" | 1/4" | 19.81 | 4" |
| CAT40-SLA5/16"-4" | 5/16" | 22.225 | 4" |
| CAT40-SLA3/8"-4" | 3/8" | 25.4 | 4" |
| CAT40-SLA1/2"-4" | 1/2" | 31.75 | 4" |
| CAT40-SLA5/8-4" | 5/8" | 38.1 | 4" |
| CAT40-SLA3/4"-4" | 3/4" | 44.45 | 4" |
| CAT40-SLA1"-4" | 1" | 50.8 | 4" |
| CAT40-SLA1-1/4"-4" | 1-1/4" | 63.5 | 4" |
| CAT40-SLA1-1/2"-4" | 1-1/2" | 63.5 | 4" |
| | | | |
| CAT40-SLA1/4"-6" | 1/4" | 19.81 | 6" |
| CAT40-SLA5/16"-6" | 5/16" | 22.225 | 6" |
| CAT40-SLA3/8"-6" | 3/8" | 25.4 | 6" |
| CAT40-SLA1/2"-6" | 1/2" | 31.75 | 6" |
| CAT40-SLA5/8"-6" | 5/8" | 38.1 | 6" |
| CAT40-SLA3/4"-6" | 3/4" | 44.45 | 5.5" |
| CAT40-SLA7/8"-6" | 7/8" | 47.625 | 6" |
| CAT40-SLA1"-6" | 1" | 50.8 | 6" |
| CAT40-SLA1-1/4"-6" | 1-1/4" | 63.5 | 6" |
| CAT40-SLA1-1/2"-6" | 1-1/2" | 63.5 | 6" |

# End Mill Holder Weldon
# 侧固刀柄

| | A | RPM | |
|---|---|---|---|
| DIN6359/1835B | ≤0.005 | G2.5/15000 | AD |



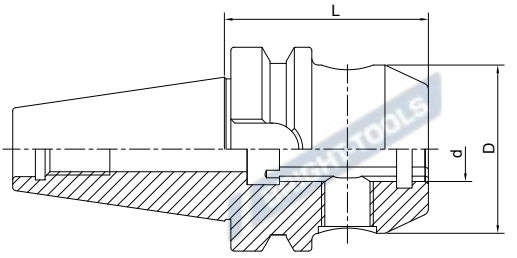



| Size | d | D | L |
|---|---|---|---|
| CAT50-SLA3/16"-2.5" | 3/16" | 17.526 | 2.5" |
| CAT50-SLA1/4"-2.5" | 1/4" | 19.81 | 2.5" |
| CAT50-SLA5/16"-2.5" | 5/16" | 22.225 | 2.5" |
| CAT40-SLA3/8"-2.5" | 3/8" | 25.4 | 2.5" |
| CAT50-SLA7/16"-2.5" | 7/16" | 28.575 | 2.5" |
| CAT50-SLA1/2"-2.62" | 1/2" | 31.75 | 2.62" |
| CAT50-SLA5/8"-3" | 5/8" | 38.1 | 3" |
| CAT50-SLA3/4-3" | 3/4" | 44.45 | 3" |
| CAT50-SLA1"-2" | 1" | 50.8 | 2" |
| CAT50-SLA1-1/4"-2" | 1-1/4" | 63.5 | 2" |
| CAT50-SLA1-1/2"-2.25" | 1-1/2" | 63.5 | 2.25" |
| CAT50-SLA2"-5.62" | 2" | 95.25 | 5.62" |
| | | | |
| CAT50-SLA1/4"-4" | 1/4" | 19.81 | 4" |
| CAT50-SLA5/16"-4" | 5/16" | 22.225 | 4" |
| CAT50-SLA3/8"-4" | 3/8" | 25.4 | 4" |
| CAT50-SLA7/16"-4" | 7/16" | 28.575 | 4" |
| CAT50-SLA1/2"-4" | 1/2" | 31.75 | 4" |
| CAT50-SLA5/8"-4" | 5/8" | 38.1 | 4" |
| CAT50-SLA3/4"-4" | 3/4" | 44.45 | 4" |
| CAT50-SLA7/8"-4" | 7/8" | 47.625 | 4" |
| CAT50-SLA1"-4" | 1" | 50.8 | 4" |
| CAT50-SLA1-1/4"-4" | 1-1/4" | 63.5 | 4" |
| CAT50-SLA1-1/2"- 4" | 1-1/2" | 63.5 | 4" |
| | | | |
| CAT50-SLA1/4"-6" | 1/4" | 19.81 | 6" |
| CAT50-SLA5/16"-6" | 5/16" | 22.225 | 6" |
| CAT50-SLA3/8"-6" | 3/8" | 25.4 | 6" |
| CAT50-SLA7/16"-6" | 7/16" | 28.575 | 6" |
| CAT50-SLA1/2"-6" | 1/2" | 31.75 | 6" |
| CAT50-SLA5/8"-6" | 5/8" | 38.1 | 6" |
| CAT50-SLA3/4"-6" | 3/4" | 44.45 | 6" |
| CAT50-SLA7/8"-6" | 7/8" | 47.625 | 6" |
| CAT50-SLA1"-6" | 1" | 50.8 | 6" |
| CAT50-SLA1-1/4"-6" | 1-1/4" | 63.5 | 6" |
| CAT50-SLA1-1/2"- 6" | 1-1/2" | 63.5 | 6" |

## End Mill Holder with Coolant Channels
## 侧固刀柄，端面出水型

| DIN6359/1835B | A ↗ ≤0.005 | RPM G2.5/20000 | AD |
|---|---|---|---|



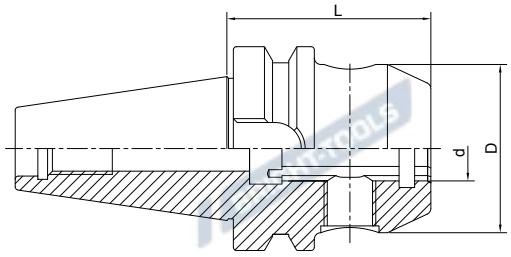



| Size | d | D | L |
|---|---|---|---|
| CAT40-SLA1/8"-2.5"K | 1/8" | 17.526 | 2.5" |
| CAT40-SLA3/16"-2.5"K | 3/16" | 17.526 | 2.5" |
| CAT40-SLA1/4"-2.5"K | 1/4" | 19.81 | 2.5" |
| CAT40-SLA3/8"-2.5"K | 3/8" | 25.4 | 2.5" |
| CAT40-SLA7/16"-2.5"K | 7/16" | 28.575 | 2.5" |
| CAT40-SLA1/2"-2.5"K | 1/2" | 31.75 | 2.5" |
| CAT40-SLA5/8-3"K | 5/8" | 38.1 | 3" |
| CAT40-SLA3/4"-3"K | 3/4" | 44.45 | 3" |
| CAT40-SLA7/8"-3.5"K | 7/8" | 47.625 | 3.5" |
| CAT40-SLA1"-3"K | 1" | 50.8 | 2" |
| | | | |
| CAT40-SLA1/8"-4"K | 1/8" | 17.526 | 4" |
| CAT40-SLA3/16"-4"K | 3/16" | 17.526 | 4" |
| CAT40-SLA1/4"-4"K | 1/4" | 19.81 | 4" |
| CAT40-SLA5/16"-4"K | 5/16" | 22.225 | 4" |
| CAT40-SLA3/8"-4"K | 3/8" | 25.4 | 4" |
| CAT40-SLA1/2"-4"K | 1/2" | 31.75 | 4" |
| CAT40-SLA1"-4"K | 1" | 50.8 | 4" |
| CAT40-SLA1-1/4"-4"K | 1-1/4" | 63.5 | 4" |
| CAT40-SLA1-1/2"-4"K | 1-1/2" | 63.5 | 4" |
| | | | |
| CAT40-SLA5/16"-6"K | 5/16" | 22.225 | 6" |
| CAT40-SLA3/8"-6"K | 3/8" | 25.4 | 6" |
| CAT40-SLA1/2"-6"K | 1/2" | 31.75 | 6" |
| CAT40-SLA5/8"-6"K | 5/8" | 38.1 | 6" |
| CAT40-SLA3/4"-6"K | 3/4" | 44.45 | 6" |
| CAT40-SLA1"-6"K | 1" | 50.8 | 6" |
| CAT40-SLA1-1/4"-6"K | 1-1/4" | 63.5 | 6" |
| CAT40-SLA1-1/2"-6"K | 1-1/2" | 63.5 | 6" |

# End Mill Holder with Coolant Channels
# 侧固刀柄，端面出水型

| DIN6359/1835B | A ↗ ≤0.005 | RPM G2.5/15000 | AD |
|---|---|---|---|



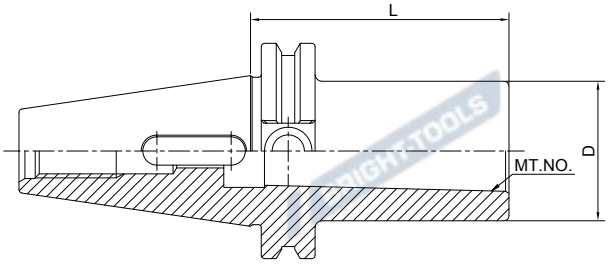



| Size | d | D | L |
|---|---|---|---|
| CAT50-SLA1/4"-2.5"K | 1/4" | 19.81 | 2.5" |
| CAT50-SLA5/16"-2.5"K | 5/16" | 22.225 | 2.5" |
| CAT50-SLA3/8"-2.5"K | 3/8" | 25.4 | 2.5" |
| CAT50-SLA7/16"-2.5"K | 7/16" | 28.575 | 2.5" |
| CAT50-SLA1/2"-2.62"K | 1/2" | 31.75 | 2.62" |
| CAT50-SLA5/8"-3"K | 5/8" | 38.1 | 3" |
| CAT50-SLA3/4-3"K | 3/4" | 44.45 | 3" |
| CAT50-SLA1"-2"K | 1" | 50.8 | 2" |
| CAT50-SLA1-1/2"- 2.25"K | 1-1/2" | 63.5 | 2.25" |
| CAT50-SLA2"-5.62"K | 2" | 95.25 | 5.62" |
| | | | |
| CAT50-SLA1/4"-4"K | 1/4" | 19.81 | 4" |
| CAT50-SLA5/16"-4"K | 5/16" | 22.225 | 4" |
| CAT50-SLA3/8"-4"K | 3/8" | 25.4 | 4" |
| CAT50-SLA7/16"-4"K | 7/16" | 28.575 | 4" |
| CAT50-SLA1/2"-4"K | 1/2" | 31.75 | 4" |
| CAT50-SLA5/8"-4"K | 5/8" | 38.1 | 4" |
| CAT50-SLA3/4"-4"K | 3/4" | 44.45 | 4" |
| CAT50-SLA7/8"-4"K | 7/8" | 47.625 | 4" |
| CAT50-SLA1"-4"K | 1" | 50.8 | 4" |
| CAT50-SLA1-1/4"-4"K | 1-1/4" | 63.5 | 4" |
| CAT50-SLA1-1/2"- 4"K | 1-1/2" | 63.5 | 4" |
| | | | |
| CAT50-SLA1/4"-6"K | 1/4" | 19.81 | 6" |
| CAT50-SLA5/16"-6"K | 5/16" | 22.225 | 6" |
| CAT50-SLA3/8"-6"K | 3/8" | 25.4 | 6" |
| CAT50-SLA7/16"-6"K | 7/16" | 28.575 | 6" |
| CAT50-SLA1/2"-6"K | 1/2" | 31.75 | 6" |
| CAT50-SLA5/8"-6"K | 5/8" | 38.1 | 6" |
| CAT50-SLA3/4"-6"K | 3/4" | 44.45 | 6" |
| CAT50-SLA7/8"-6"K | 7/8" | 47.625 | 6" |
| CAT50-SLA1"-6"K | 1" | 50.8 | 6" |
| CAT50-SLA1-1/4"-6"K | 1-1/4" | 63.5 | 6" |
| CAT50-SLA1-1/2"- 6"K | 1-1/2" | 63.5 | 6" |

## Morse Taper Adapter with Tang
## 带扁尾莫氏刀柄

| DIN6383 | A ↗ ≤0.005 | RPM G2.5/25000 |
|---|---|---|



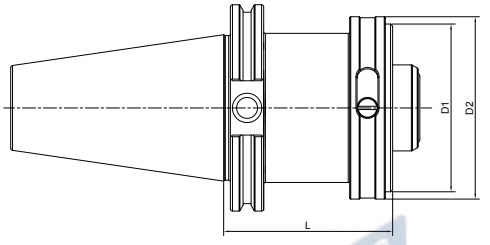



| Size | MT. NO. | D | L |
|---|---|---|---|
| CAT40-MTA1-1.75" | 1 | 25.40 | 1.75" |
| CAT40-MTA2-2" | 2 | 31.75 | 2" |
| CAT40-MTA3-3" | 3 | 41.45 | 3" |
| CAT40-MTA4-4" | 4 | 50.80 | 4" |
| | | | |
| CAT50-MTA2-2" | 2 | 31.75 | 2" |
| CAT50-MTA3-2" | 3 | 41.45 | 2" |
| CAT50-MTA4-3" | 4 | 50.80 | 3" |
| CAT50-MTA5-4" | 5 | 69.85 | 4" |

## Tool Holder Adapter Sleeve
## 转换刀柄

| A ↗ ≤0.005 | AD |
|---|---|



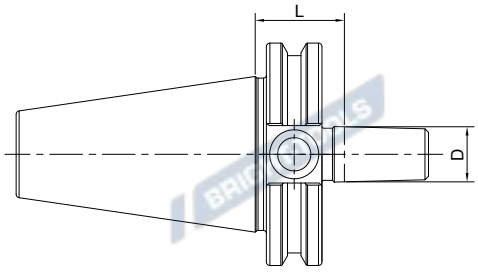



| Size | D1 | D2 | L |
|---|---|---|---|
| CAT30-HSK32C-45 | 32 | 37 | 45 |
| CAT30-HSK40C-60 | 40 | 45 | 60 |
| CAT40-HSK32C-50 | 32 | 37 | 50 |
| CAT40-HSK40C-50 | 40 | 45 | 50 |
| CAT40-HSK50C-60 | 50 | 55 | 60 |
| CAT40-HSK63C-75 | 63 | 70 | 75 |
| | | | |
| CAT50-HSK32C-50 | 32 | 37 | 50 |
| CAT50-HSK40C-50 | 40 | 45 | 50 |
| CAT50-HSK50C-55 | 50 | 55 | 55 |
| CAT50-HSK63C-55 | 63 | 70 | 55 |
| CAT50-HSK80C-80 | 80 | 87 | 80 |
| CAT50-HSK100C-95 | 100 | 110 | 95 |

## Drill Chuck Adapter
## 钻接杆

| DIN238 | A ↗ | RPM |
|---|---|---|
| | ≤0.005 | G2.5/25000 |

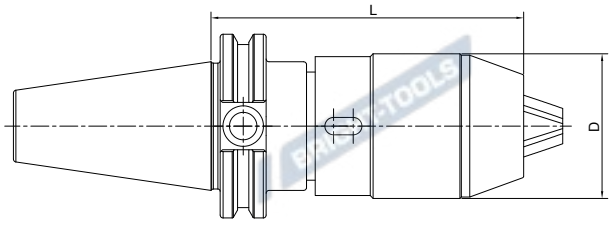





| Size | D | L |
|---|---|---|
| CAT40-JT2-1.5" | 14.199 | 1.5" |
| CAT40-JT3-1.5" | 20.599 | 1.5" |
| CAT40-JT4-1.5" | 28.55 | 1.5" |
| CAT40-JT6-1.5" | 17.17 | 1.5" |
| CAT40-JT33-1.5" | 15.85 | 1.5" |
| | | |
| CAT50-JT2-1.5" | 14.199 | 1.5" |
| CAT50-JT3-1.5" | 20.599 | 1.5" |
| CAT50-JT4-1.5" | 28.55 | 1.5" |
| CAT50-JT6-1.5" | 17.17 | 1.5" |
| CAT50-JT33-1.5" | 15.85 | 1.5" |

## APU Drill Chuck Holder
## APU 钻夹头刀柄



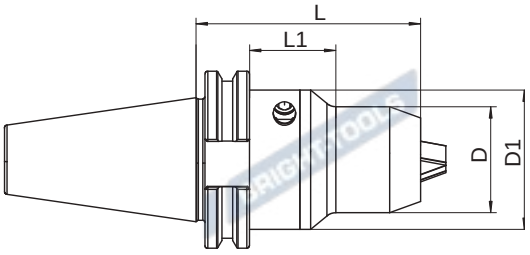



| Size | D | L | Capacity |
|---|---|---|---|
| CAT40-APU08-85 | 36 | 85 | 1-8 |
| CAT40-APU13-100 | 48 | 100 | 1-13 |
| CAT40-APU16-110 | 53 | 110 | 3-16 |
| | | | |
| CAT50-APU13-100 | 48 | 100 | 1-13 |
| CAT50-APU16-105 | 53 | 105 | 3-16 |

## Precision Drill Chuck Holder
## 精密钻夹头刀柄

| A ↗ | RPM |
|---|---|
| ≤0.03 | G2.5/25000 |

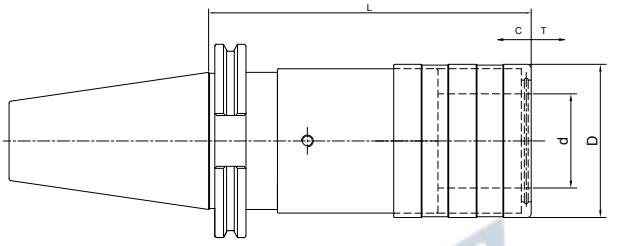





| Size | D | D1 | L | L1 | Capacity |
|---|---|---|---|---|---|
| CAT40-CPU10-80 | 38 | - | 80 | 28.9 | 1-10 |
| CAT40-CPU13-90 | 50 | - | 90 | - | 1-13 |
| CAT40-CPU16-90 | 50 | | 90 | - | 1-16 |
| | | - | | | |
| CAT50-CPU13-100 | 50 | - | 100 | - | 1-13 |
| CAT50-CPU16-100 | 50 | - | 100 | - | 1-16 |

## Quick Change Tapping Chuck with Length Compensation
## 弹性快换攻丝刀柄



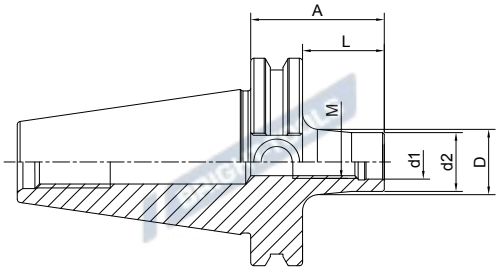



| Size | D | d | L | T | C |
|---|---|---|---|---|---|
| CAT40-TC312-65 | 36 | 19 | 65 | 7.5 | 7.5 |
| CAT40-TC820-93 | 54 | 31 | 93 | 12.5 | 12.5 |
| CAT40-TC1433-156 | 78 | 48 | 156 | 22 | 22 |
| | | | | | |
| CAT50-TC312-100 | 36 | 19 | 100 | 7.5 | 7.5 |
| CAT50-TC820-100 | 54 | 31 | 100 | 12.5 | 12.5 |
| CAT50-TC1433-142 | 78 | 48 | 142 | 22 | 22 |

# Screw-in Milling Cutter Holder
# 锁牙刀柄，锥柄型

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G6.3/15000 | AD |



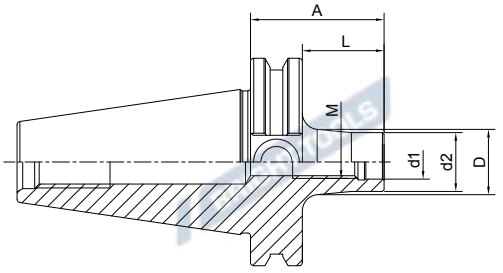



| Size | M | d1 | d2 | A | L | D |
|---|---|---|---|---|---|---|
| CAT40-SOM08-44 L=25 | 8 | 8.5 | 14.5 | 44 | 25 | 15 |
| CAT40-SOM08-69 L=50 | 8 | 8.5 | 14.5 | 69 | 50 | 23 |
| CAT40-SOM08-94 L=75 | 8 | 8.5 | 14.5 | 94 | 75 | 23 |
| CAT40-SOM08-119 L=100 | 8 | 8.5 | 14.5 | 119 | 100 | 25 |
| | | | | | | |
| CAT40-SOM10-24 L=5 | 10 | 10.5 | 18 | 24 | 5 | 18 |
| CAT40-SOM10-44 L=25 | 10 | 10.5 | 18 | 44 | 25 | 20 |
| CAT40-SOM10-69 L=50 | 10 | 10.5 | 18 | 69 | 50 | 23 |
| CAT40-SOM10-94 L=75 | 10 | 10.5 | 18 | 94 | 75 | 28 |
| CAT40-SOM10-119 L=100 | 10 | 10.5 | 18 | 119 | 100 | 32 |
| CAT40-SOM10-169 L=150 | 10 | 10.5 | 18 | 169 | 150 | 36.5 |
| | | | | | | |
| CAT40-SOM12-24 L=5 | 12 | 12.5 | 21 | 24 | 5 | 21 |
| CAT40-SOM12-44 L=25 | 12 | 12.5 | 21 | 44 | 25 | 24 |
| CAT40-SOM12-69 L=50 | 12 | 12.5 | 21 | 69 | 50 | 24 |
| CAT40-SOM12-94 L=75 | 12 | 12.5 | 21 | 94 | 75 | 31 |
| CAT40-SOM12-119 L=100 | 12 | 12.5 | 21 | 119 | 100 | 33 |
| CAT40-SOM12-144 L=125 | 12 | 12.5 | 21 | 144 | 125 | 36 |
| CAT40-SOM12-169 L=150 | 12 | 12.5 | 21 | 169 | 150 | 40 |
| | | | | | | |
| CAT40-SOM16-24 L=5 | 16 | 17 | 29 | 24 | 5 | 29 |
| CAT40-SOM16-44 L=25 | 16 | 17 | 29 | 44 | 25 | 29 |
| CAT40-SOM16-69 L=50 | 16 | 17 | 29 | 69 | 50 | 34 |
| CAT40-SOM16-94 L=75 | 16 | 17 | 29 | 94 | 75 | 34 |
| CAT40-SOM16-119 L=100 | 16 | 17 | 29 | 119 | 100 | 36 |
| CAT40-SOM16-144 L=125 | 16 | 17 | 29 | 144 | 125 | 40 |
| CAT40-SOM16-169 L=150 | 16 | 17 | 29 | 169 | 150 | 42.5 |

## Screw-in Milling Cutter Holder
## 锁牙刀柄，锥柄型

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G6.3/15000 | AD |



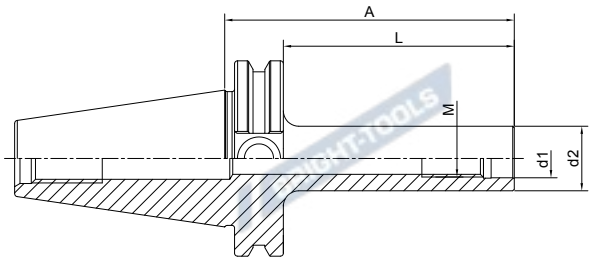



| Size | M | d1 | d2 | A | L | D |
|---|---|---|---|---|---|---|
| CAT50-SOM08-69 L=50 | 8 | 8.5 | 14.5 | 69 | 50 | 23 |
| CAT50-SOM08-119 L=100 | 8 | 8.5 | 14.5 | 119 | 100 | 25 |
| CAT50-SOM08-169 L=150 | 8 | 8.5 | 14.5 | 169 | 150 | 30 |
| | | | | | | |
| CAT50-SOM10-69 L=50 | 10 | 10.5 | 18 | 69 | 50 | 23 |
| CAT50-SOM10-119 L=100 | 10 | 10.5 | 18 | 119 | 100 | 32 |
| CAT50-SOM10-169 L=150 | 10 | 10.5 | 18 | 169 | 150 | 36.5 |
| | | | | | | |
| CAT50-SOM12-69 L=50 | 12 | 12.5 | 21 | 69 | 50 | 24 |
| CAT50-SOM12-119 L=100 | 12 | 12.5 | 21 | 119 | 100 | 33 |
| CAT50-SOM12-169 L=150 | 12 | 12.5 | 21 | 169 | 150 | 40 |
| | | | | | | |
| CAT50-SOM16-69 L=50 | 16 | 17 | 29 | 69 | 50 | 34 |
| CAT50-SOM16-119 L=100 | 16 | 17 | 29 | 119 | 100 | 36 |
| CAT50-SOM16-169 L=150 | 16 | 17 | 29 | 169 | 150 | 42.5 |

## Screw-in Milling Cutter Holder
## 锁牙刀柄，直柄型

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G6.3/15000 | AD |



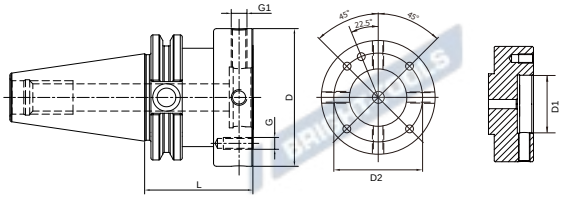



| Size | M | d1 | d2 | A | L |
|---|---|---|---|---|---|
| CAT40-M10-119 L=100 | 10 | 10.5 | 18 | 119 | 100 |
| CAT40-M10-169 L=150 | 10 | 10.5 | 18 | 169 | 150 |
| CAT40-M12-119 L=100 | 12 | 12.5 | 21 | 119 | 100 |
| CAT40-M12-144 L=125 | 12 | 12.5 | 21 | 144 | 125 |
| CAT40-M12-169 L=150 | 12 | 12.5 | 21 | 169 | 150 |
| CAT40-M16-119 L=100 | 16 | 17 | 29 | 119 | 100 |
| CAT40-M16-144 L=125 | 16 | 17 | 29 | 144 | 125 |
| CAT40-M16-169 L=150 | 16 | 17 | 29 | 169 | 150 |
| | | | | | |
| CAT50-M10-119 L=100 | 10 | 10.5 | 18 | 119 | 100 |
| CAT50-M10-169 L=150 | 10 | 10.5 | 18 | 169 | 150 |
| CAT50-M12-119 L=100 | 12 | 12.5 | 21 | 119 | 100 |
| CAT50-M12-169 L=150 | 12 | 12.5 | 21 | 169 | 150 |
| CAT50-M16-119 L=100 | 16 | 17 | 29 | 119 | 100 |
| CAT50-M16-169 L=150 | 16 | 17 | 29 | 169 | 150 |

## Runout Adjustable Flange Adapter
## 可调节精度法兰刀柄

| A ↗ | RPM |
|---|---|
| ≤0.002 | G2.5/25000 |



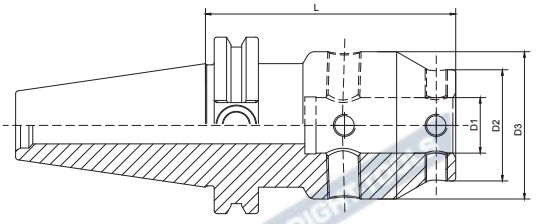



| Size | D | D1 | D2 | L | G | G1 |
|---|---|---|---|---|---|---|
| CAT40-MOD060-050 | 60 | 30 | 44 | M5 | M5 | M8x1 |
| CAT40-MOD070-050 | 70 | 35 | 53 | M6 | M6 | M8x1 |
| CAT40-MOD080-055 | 80 | 40 | 63 | M6 | M6 | M8x1 |
| CAT40-MOD100-060 | 100 | 50 | 79 | M8 | M8 | M10x1 |
| | | | | | | |
| CAT50-MOD060-050 | 60 | 30 | 44 | M5 | M5 | M8x1 |
| CAT50-MOD070-050 | 70 | 35 | 53 | M6 | M6 | M8x1 |
| CAT50-MOD080-050 | 80 | 40 | 63 | M6 | M6 | M8x1 |
| CAT50-MOD100-060 | 100 | 50 | 79 | M8 | M8 | M10x1 |
| CAT50-MOD117-060 | 117 | 60 | 96 | M8 | M8 | M10x1 |
| CAT50-MOD140-060 | 140 | 80 | 119 | M10 | M10 | M10x1 |

## UM Adjustable Tool Holder
## UM 调零刀柄

| A ↗ | RPM |
|---|---|
| ≤0.003 | G2.5/25000 |

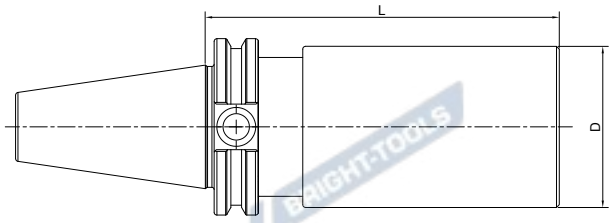





| Size | D1 | D2 | D3 | L |
|---|---|---|---|---|
| CAT40-UM12-65 | 12 | 28 | 44.5 | 65 |
| CAT40-UM16-80 | 16 | 32 | 48 | 80 |
| CAT40-UM20-90 | 20 | 40 | 53 | 90 |
| CAT40-UM25-100 | 25 | 48 | 63 | 100 |
| CAT40-UM32-105 | 32 | 52 | 63 | 105 |
| | | | | |
| CAT50-UM12-80 | 12 | 28 | 44.5 | 80 |
| CAT50-UM16-80 | 16 | 32 | 48 | 80 |
| CAT50-UM20-90 | 20 | 40 | 53 | 90 |
| CAT50-UM25-100 | 25 | 48 | 63 | 100 |
| CAT50-UM32-105 | 32 | 52 | 63 | 105 |

## Boring Bar Blank
## 基础柄





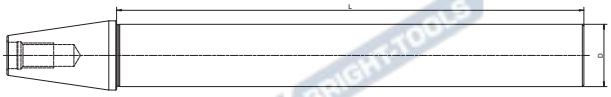

| Size | D | L |
|---|---|---|
| CAT40-2.5"-6" | 2.5" | 6" |
| CAT40-2.5"-10" | 2.5" | 10" |
| CAT40-4"-6" | 4" | 6" |
| CAT40-4"-10" | 4" | 10" |
| | | |
| CAT50-2.5"-6" | 2.5" | 6" |
| CAT50-2.5"-10" | 2.5" | 10" |
| CAT50-4"-6" | 4" | 6" |
| CAT50-4"-10" | 4" | 10" |
| CAT50-6"-10" | 6" | 10" |

Other sizes can be made by request.

## Test Arbor
## 主轴检测棒

≤0.002



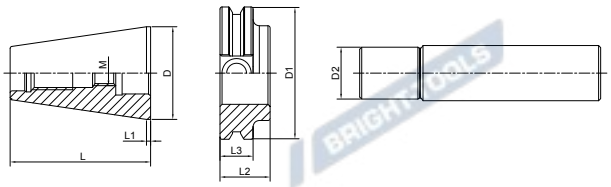


| Size | D | L |
|---|---|---|
| CAT30-32-250 | 32 | 250 |
| CAT40-40-300 | 40 | 300 |
| CAT50-50-300 | 50 | 300 |

Other sizes can be made by request.

## Alignment Tool for ATC Arm
## 调整机械手用组合模具



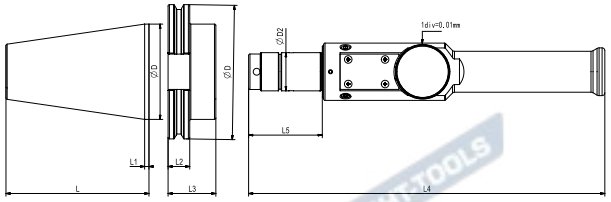



| Size | D | D1 | D2 | L | L1 | L2 | L3 | M |
|---|---|---|---|---|---|---|---|---|
| CAT30-ATC-18D | 31.75 | 46 | 18 | 50.8 | 3.175 | 20 | 15.875 | M12 |
| CAT40-ATC-20D | 44.45 | 63.5 | 20 | 71.43 | 3.175 | 25 | 15.875 | M12 |
| CAT50-ATC-28D | 69.85 | 98.43 | 28 | 104.78 | 3.175 | 35 | 15.875 | M16 |



## Alignment Tool for ATC Arm
## 调整机械手用组合模具






| Size | D | D1 | D2 | L | L1 | L2 | L3 | L4 | L5 |
|---|---|---|---|---|---|---|---|---|---|
| CAT40-ATC20 | 36.5 | 44.45 | 20 | 71.425 | 3.175 | 15.875 | 23 | 251 | 44 |
| CAT50-ATC28 | 98.43 | 69.85 | 28 | 104.775 | 3.175 | 15.875 | 35 | 261 | 54 |

**Usage:**
1. Install the calibration taper to the machine spindle.
2. Install the calibration flange on the ATC machine.
3. Insert the calibration pin into the calibration flange.
4. Rotate the calibration pin to find the maximum and minimum positions of the pointer.
value position of the pointer. This direction is the direction of eccentricity, and the amount of eccentricity is half of the difference.
5. Adjust the ATC manipulator and ensure that the front of the calibration pin is fully inserted into the flange.

使用方法
1. 将校正锥柄安装到机床主轴。
2. 将校正法兰安装在 ATC 机械手上。
3. 将校正销棒插入校正法兰。
4. 旋转校正销棒，找到指针的最大值位置和最小值位置。
该方向即偏心方向，偏心量为差值的一半。
5. 调整 ATC 机械手并确保校正销棒前端完全插入法兰中。

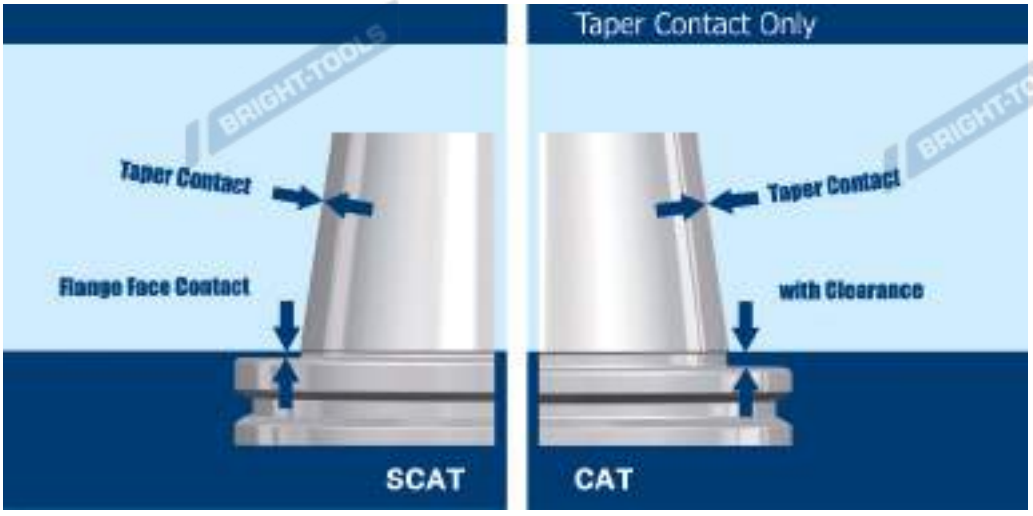
BRIGHT-TOOLS

# SCAT

## TOOL HOLDERS

BRIGHT-TOOLS

## SCAT DualDrive (Double Contact) Tool Holders

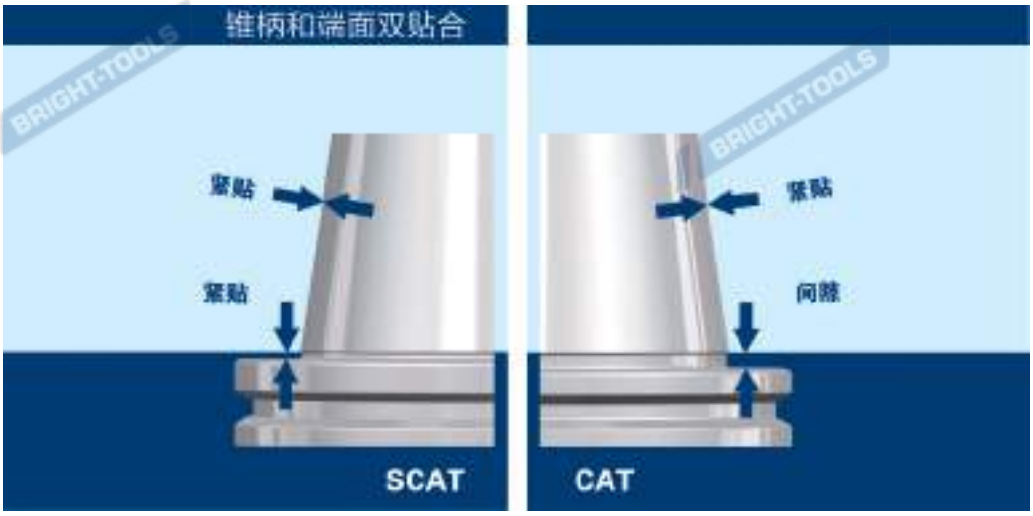



Taper and Flange Face Dual Contact System Advantages:

* Improve tool holder stability when high speed working.
* Improve workpiece surface finish.
* Improve working dimension accuracy.
* Improve ATC repeatability.
* Improve the roundness when boring operation.
* Extend cutting tool life.

ORDER SPECIFICATION:
PLEASE ORDER SCAT SPINDLE MACHINING CENTERS FOR BETTER PERFORMANCE.

## SCAT 双接触刀柄




使用 SCAT 双接触刀柄优势：

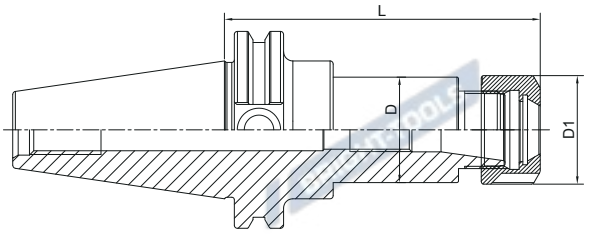
* 高速加工时提高刀柄稳定性；
* 提高工件表面光洁度；
* 提高加工精度；
* 提高 ATC 的重复精度；
* 提高镗孔加工圆度；
* 增加刀具使用寿命 .

订购说明：
为了更好的使用效果，请订购带 SCAT 主轴的加工中心。

## ER Collet Chuck with UM Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |



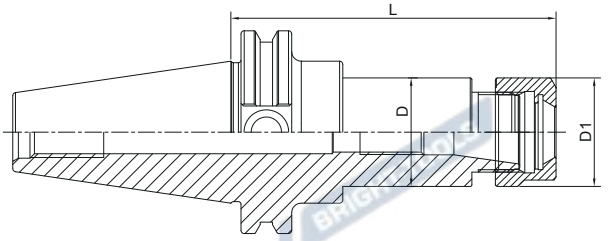



| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| SCAT40-ER16UM-2.5" | 44.45 | 32 | 2.5" | 1-10 |
| SCAT40-ER20UM-2.5" | 34 | 35 | 2.5" | 1-13 |
| SCAT40-ER25-2.5" | 42 | 42 | 2.5" | 2-16 |
| SCAT40-ER32-2.5" | 44.45 | 50 | 2.5" | 2-20 |
| SCAT40-ER40-3" | 50 | 63 | 3" | 3-26 |
| SCAT40-ER16UM-4" | 28 | 32 | 4" | 1-10 |
| SCAT40-ER20UM-4" | 34 | 35 | 4" | 1-13 |
| SCAT40-ER25-4" | 42 | 42 | 4" | 2-16 |
| SCAT40-ER32-4" | 44.45 | 50 | 4" | 2-20 |
| SCAT40-ER40-4" | 50 | 63 | 4" | 3-26 |

## ER Collet Chuck with Hex Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |






| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| SCAT40-ER11-2.5" | 19 | 19 | 2.5" | 1-7 |
| SCAT40-ER16-2.5 | 44.45 | 28 | 2.5" | 1-10 |
| SCAT40-ER20-2.5 | 34 | 34 | 2.5" | 1-13 |
| SCAT40-ER11-4" | 19 | 19 | 4" | 1-7 |
| SCAT40-ER16-4" | 28 | 28 | 4" | 1-10 |
| SCAT40-ER20-4" | 34 | 34 | 4" | 1-13 |

BRIGHT-TOOLS

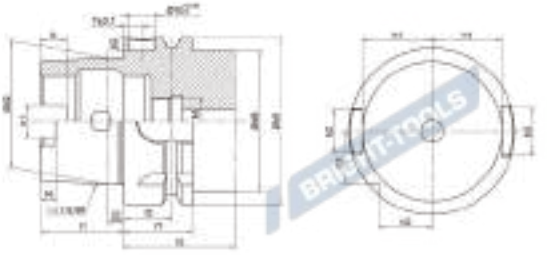
# HSK-A

## TOOL HOLDERS

BRIGHT-TOOLS

# HSK-A Taper Standard
# HSK-A 锥柄标准





| Size | d1 | d2 | d9 | l1 | l2 | l3 | l4 | f1 | f2 | f3 | h1 | h2 | h3 | b1 | b2 | b3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK25A | 25 | 19.006 | 20 | 13 | 2.5 | 4 | 2 | 10 | 20 | 4.5 | 10 | 7.5 | - | 6.05 | 6 | 7 |
| HSK32A | 32 | 24.007 | 26 | 16 | 3.2 | 5 | 3 | 20 | 35 | 16 | 13 | 9.5 | 5.4 | 7.05 | 7 | 9 |
| HSK40A | 40 | 30.007 | 34 | 20 | 4 | 6 | 3.5 | 20 | 35 | 16 | 17 | 12 | 5.2 | 8.05 | 9 | 11 |
| HSK50A | 50 | 38.009 | 42 | 25 | 5 | 7.5 | 4.5 | 26 | 42 | 18 | 21 | 15.5 | 5.1 | 10.54 | 12 | 14 |
| HSK63A | 63 | 48.010 | 53 | 32 | 6.3 | 10 | 6 | 26 | 42 | 18 | 26.5 | 20 | 5.0 | 12.54 | 16 | 18 |
| HSK80A | 80 | 60.012 | 68 | 40 | 8 | 12 | 8 | 26 | 42 | 18 | 34 | 25 | 4.9 | 16.04 | 18 | 20 |
| HSK100A | 100 | 75.013 | 88 | 50 | 10 | 15 | 10 | 29 | 45 | 20 | 44 | 31.5 | 4.9 | 20.02 | 20 | 22 |

**Taper standard:** DIN 69893; ISO 12164
**Material:** Alloyed case hardened steel
**Surface Treatment:** Blackening and Bright
**Taper tolerance:** <AT3
**Hardness:** HRC 56-60
**Carbon depth:** 0.8±0.2mm
**Surface Roughness:** Ra<0.2μm
**Balancing:** G6.3/15000; G2.5/25000

# HSK-A TOOLING SYSTEM
# HSK-A 工具系统目录

ER Collet Chuck.....G.04
ER 弹簧夹头刀柄

Power Milling Chuck.....G.09
强力铣刀柄

OZ Collet Chuck.....G.11
OZ 夹头刀柄

SKS Collet Chuck.....G.11
SKS 高速筒夹刀柄

TG Collet Chuck .....G.12
TG 超强力刀柄

Precision Screw Collet Chuck.....G.13
DC后拉刀柄

Pull Back Collet Chuck .....G.14
NDC后拉刀柄

Face Mill Holder..... G.15
面铣刀柄

Combi Shell Mill Holder .....G.19
混合插入式铣刀柄

End Mill Holder ..... G.20
侧固刀柄

Morse Taper Adapter .....G.25
带扁尾莫氏刀柄

Morse Taper Adapter ..... G.26
带螺纹孔莫氏刀柄

Tool Holder Adapter Sleeve.....G.27
转换刀柄

APU Drill Chuck Holder .....G.28
APU 钻夹头刀柄

Precision Drill Chuck Holder.....G.28
精密钻夹头刀柄

Quick Change Tapping Chuck.....G.29
弹性快换攻丝刀柄

Screw-in Milling Cutter Holder .....G.30
SOM 锁牙刀柄

Runout Adjustable Flange Adapter .....G.32
可调节精度法兰刀柄

UM Adjustable.....G.33
UM调零刀柄

Boring Bar Blank.....G.34
基础柄

Test Arbor.....G.35
主轴检测棒

Alignment Tool for ATC Arm .....G.36
调整机械手用组合模具







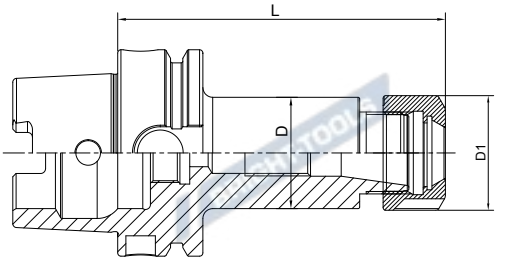


HSK

## ER Collet Chuck with UM Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |



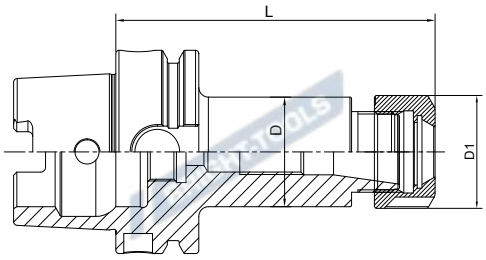



| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| HSK32A-ER16UM-80 | 28 | 32 | 80 | 1-10 |
| HSK32A-ER20UM-80 | 25 | 35 | 80 | 1-13 |
| HSK32A-ER25-80 | 32 | 42 | 80 | 2-16 |
| HSK32A-ER32-90 | 50 | 50 | 90 | 3-20 |
| | | | | |
| HSK40A-ER16UM-80 | 28 | 32 | 80 | 1-10 |
| HSK40A-ER20UM-80 | 34 | 35 | 80 | 1-13 |
| HSK40A-ER25-80 | 32 | 42 | 80 | 2-16 |
| HSK40A-ER32-80 | 40 | 50 | 80 | 3-20 |
| | | | | |
| HSK50A-ER16UM-80 | 28 | 32 | 80 | 1-10 |
| HSK50A-ER20UM-80 | 34 | 35 | 80 | 1-13 |
| HSK50A-ER25-80 | 32 | 42 | 80 | 2-16 |
| HSK50A-ER32-100 | 40 | 50 | 100 | 3-20 |
| | | | | |
| HSK63A-ER16UM-75 | 28 | 32 | 75 | 1-10 |
| HSK63A-ER20UM-75 | 34 | 35 | 75 | 1-13 |
| HSK63A-ER25-75 | 42 | 42 | 75 | 2-16 |
| HSK63A-ER32-75 | 50 | 50 | 75 | 3-20 |
| HSK63A-ER40-80 | 50 | 63 | 80 | 4-26 |
| | | | | |
| HSK63A-ER16UM-100 | 28 | 32 | 100 | 1-10 |
| HSK63A-ER20UM-100 | 34 | 35 | 100 | 1-13 |
| HSK63A-ER25-100 | 42 | 42 | 100 | 2-16 |
| HSK63A-ER32-100 | 50 | 50 | 100 | 3-20 |
| HSK63A-ER40-100 | 50 | 63 | 100 | 4-26 |
| | | | | |
| HSK63A-ER16UM-120 | 28 | 32 | 120 | 1-10 |
| HSK63A-ER20UM-120 | 34 | 35 | 120 | 1-13 |
| HSK63A-ER25-120 | 42 | 42 | 120 | 2-16 |
| HSK63A-ER32-120 | 50 | 50 | 120 | 3-20 |
| HSK63A-ER40-120 | 50 | 63 | 120 | 4-26 |

## ER Collet Chuck with UM Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ ≤0.003 | RPM G2.5/25000 | AD |
|---|---|---|---|





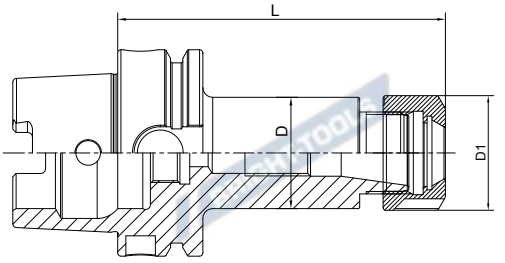

| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| HSK63A-ER16UM-160T | 28 | 32 | 160 | 1-10 |
| HSK63A-ER20UM-160 | 34 | 35 | 160 | 1-13 |
| HSK63A-ER25-160 | 42 | 42 | 160 | 2-16 |
| HSK63A-ER32-160 | 50 | 50 | 160 | 3-20 |
| HSK63A-ER40-160 | 50 | 63 | 160 | 4-26 |
| | | | | |
| HSK63A-ER16UM-200T | 28 | 32 | 200 | 1-10 |
| HSK63A-ER20UM-200 | 34 | 35 | 200 | 1-13 |
| HSK63A-ER25-200 | 42 | 42 | 200 | 2-16 |
| HSK63A-ER32-200 | 50 | 50 | 200 | 3-20 |
| HSK63A-ER40-200 | 50 | 63 | 200 | 4-26 |
| | | | | |
| HSK80A-ER16UM-100 | 28 | 32 | 100 | 1-10 |
| HSK80A-ER20UM-100 | 34 | 35 | 100 | 1-13 |
| HSK80A-ER25-100 | 42 | 42 | 100 | 2-16 |
| HSK80A-ER32-100 | 50 | 50 | 100 | 3-20 |
| HSK80A-ER40-120 | 50 | 63 | 120 | 4-26 |
| | | | | |
| HSK100A-ER16UM-100 | 28 | 32 | 100 | 1-10 |
| HSK100A-ER20UM-100 | 34 | 35 | 100 | 1-13 |
| HSK100A-ER25-100 | 42 | 42 | 100 | 2-16 |
| HSK100A-ER32-100 | 50 | 50 | 100 | 3-20 |
| HSK100A-ER40-100 | 63 | 63 | 100 | 4-26 |
| HSK100A-ER50-120 | 64 | 78 | 120 | 6-34 |
| | | | | |
| HSK100A-ER16UM-120 | 28 | 32 | 120 | 1-10 |
| HSK100A-ER20UM-120 | 34 | 35 | 120 | 1-13 |
| HSK100A-ER25-120 | 42 | 42 | 120 | 2-16 |
| HSK100A-ER32-120 | 50 | 50 | 120 | 3-20 |
| HSK100A-ER40-120 | 63 | 63 | 120 | 4-26 |

T refers to cutter side with taper design
T 代表刀具端锥柄设计

## ER Collet Chuck with UM Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |





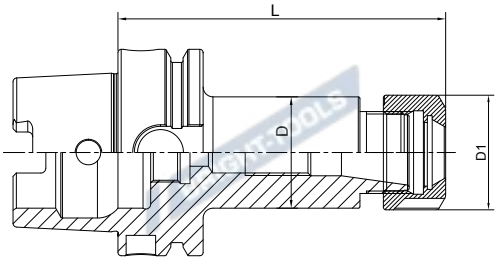

| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| HSK100A-ER16UM-160T | 28 | 32 | 160 | 1-10 |
| HSK100A-ER20UM-160 | 34 | 35 | 160 | 1-13 |
| HSK100A-ER25-160 | 42 | 42 | 160 | 2-16 |
| HSK100A-ER32-160 | 50 | 50 | 160 | 3-20 |
| HSK100A-ER40-160 | 63 | 63 | 160 | 4-26 |
| | | | | |
| HSK100A-ER16UM-200T | 28 | 32 | 200 | 1-10 |
| HSK100A-ER20UM-200 | 34 | 35 | 200 | 1-13 |
| HSK100A-ER25-200 | 42 | 42 | 200 | 2-16 |
| HSK100A-ER32-200 | 50 | 50 | 200 | 3-20 |
| HSK100A-ER40-200 | 63 | 63 | 200 | 4-26 |
| | | | | |
| HSK100A-ER25-250 | 42 | 42 | 250 | 2-16 |
| HSK100A-ER32-250 | 50 | 50 | 250 | 3-20 |
| HSK100A-ER40-250 | 63 | 63 | 250 | 4-26 |
| | | | | |
| HSK100A-ER25-300 | 42 | 42 | 300 | 2-16 |
| HSK100A-ER32-300 | 50 | 50 | 300 | 3-20 |
| HSK100A-ER40-300 | 63 | 63 | 300 | 4-26 |
| | | | | |
| HSK125A-ER40-120 | 63 | 63 | 120 | 4-26 |

T refers to cutter side with taper design
T 代表刀具端锥柄设计

## ER Collet Chuck with Hex Nut
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ ≤0.003 | RPM G2.5/25000 | AD |
|---|---|---|---|





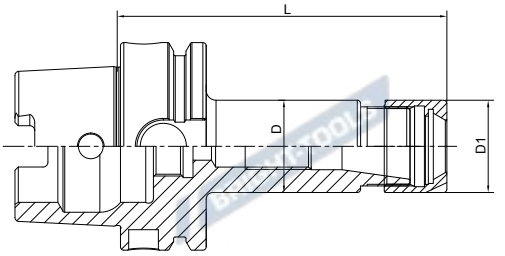

| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| HSK32A-ER16-80 | 28 | 28 | 80 | 1-10 |
| HSK32A-ER20-80 | 34 | 34 | 80 | 1-13 |
| HSK40A-ER16-80 | 28 | 28 | 80 | 1-10 |
| HSK40A-ER20-80 | 34 | 34 | 80 | 1-13 |
| HSK50A-ER16-80 | 28 | 28 | 80 | 1-10 |
| HSK50A-ER20-80 | 34 | 34 | 80 | 1-13 |
| | | | | |
| HSK63A-ER16-75 | 28 | 28 | 75 | 1-10 |
| HSK63A-ER20-75 | 34 | 34 | 75 | 1-13 |
| HSK63A-ER16-100 | 28 | 28 | 100 | 1-10 |
| HSK63A-ER20-100 | 34 | 34 | 100 | 1-13 |
| HSK63A-ER16-120 | 28 | 28 | 120 | 1-10 |
| HSK63A-ER20-120 | 34 | 34 | 120 | 1-13 |
| HSK63A-ER16-160T | 28 | 28 | 160 | 1-10 |
| HSK63A-ER20-160 | 34 | 34 | 160 | 1-13 |
| HSK63A-ER16-200T | 28 | 28 | 200 | 1-10 |
| HSK63A-ER20-200 | 34 | 34 | 200 | 1-13 |
| | | | | |
| HSK80A-ER16-100 | 28 | 28 | 100 | 1-10 |
| HSK80A-ER20-100 | 34 | 34 | 100 | 1-13 |
| | | | | |
| HSK100A-ER16-100 | 28 | 28 | 100 | 1-10 |
| HSK100A-ER20-100 | 34 | 34 | 100 | 1-13 |
| HSK100A-ER16-120 | 28 | 28 | 120 | 1-10 |
| HSK100A-ER20-120 | 34 | 34 | 120 | 1-13 |
| HSK100A-ER16-160T | 28 | 28 | 160 | 1-10 |
| HSK100A-ER20-160 | 34 | 34 | 160 | 1-13 |
| HSK100A-ER16-200T | 28 | 28 | 200 | 1-10 |
| HSK100A-ER20-200 | 34 | 34 | 200 | 1-13 |

T refers to cutter side with taper design
T 代表刀具端锥柄设计

# ER Collet Chuck with Mini Nut
# ER 弹簧夹头刀柄

| DIN6499 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.003 | G2.5/25000 | AD |





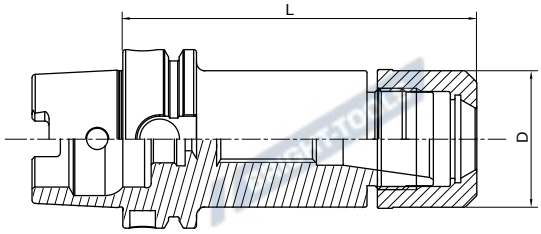

| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| HSK32A-ER11M-50 | 16 | 16 | 50 | 1-7 |
| HSK32A-ER16M-50 | 22 | 22 | 50 | 1-10 |
| HSK32A-ER20M-50 | 28 | 28 | 50 | 1-13 |
| | | | | |
| HSK40A-ER11M-45 | 16 | 16 | 45 | 1-7 |
| HSK40A-ER16M-60 | 22 | 22 | 60 | 1-10 |
| HSK40A-ER20M-60 | 28 | 28 | 60 | 1-13 |
| HSK50A-ER11M-60 | 16 | 16 | 60 | 1-7 |
| HSK50A-ER16M-60 | 22 | 22 | 60 | 1-10 |
| HSK50A-ER20M-60 | 28 | 28 | 60 | 1-13 |
| | | | | |
| HSK63A-ER11M-100 | 16 | 16 | 100 | 1-7 |
| HSK63A-ER16M-100 | 22 | 22 | 100 | 1-10 |
| HSK63A-ER20M-100 | 28 | 28 | 100 | 1-13 |
| HSK63A-ER25M-100 | 35 | 35 | 100 | 2-16 |
| HSK63A-ER11M-160T | 16 | 16 | 160 | 1-7 |
| HSK63A-ER16M-160T | 22 | 22 | 160 | 1-10 |
| HSK63A-ER20M-160 | 28 | 28 | 160 | 1-13 |
| HSK63A-ER25M-160 | 35 | 35 | 160 | 2-16 |
| | | | | |
| HSK100A-ER16M-100 | 22 | 22 | 100 | 1-10 |
| HSK100A-ER20M-100 | 28 | 28 | 100 | 1-13 |
| HSK100A-ER25M-100 | 35 | 35 | 100 | 2-16 |
| HSK100A-ER16M-160T | 22 | 22 | 160 | 1-10 |
| HSK100A-ER20M-160 | 28 | 28 | 160 | 1-13 |
| HSK100A-ER25M-160 | 35 | 35 | 160 | 2-16 |

T refers to cutter side with taper design
T 代表刀具端锥柄设计

## ER Collet Chuck with GER Nut
## GER 弹簧夹头刀柄

| | A | RPM | |
|---|---|---|---|
| DIN6499 | ≤0.003 | G2.5/25000 | AD |





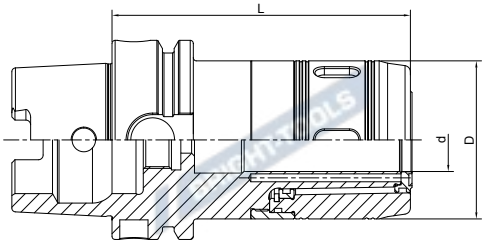

| Size | D | L | Capacity |
|---|---|---|---|
| HSK63A-GER16-100 | 30 | 100 | 1-10 |
| HSK63A-GER16-160 | 30 | 160 | 1-10 |
| HSK63A-GER20-100 | 35 | 100 | 1-13 |
| HSK63A-GER20-160 | 35 | 160 | 1-13 |
| HSK63A-GER25-100 | 40 | 100 | 2-16 |
| HSK63A-GER25-160 | 40 | 160 | 2-16 |
| HSK63A-GER32-100 | 48 | 100 | 2-20 |
| HSK63A-GER32-160 | 48 | 160 | 2-20 |
| | | | |
| HSK100A-GER16-100 | 30 | 100 | 1-10 |
| HSK100A-GER16-160 | 30 | 160 | 1-10 |
| HSK100A-GER20-100 | 35 | 100 | 1-13 |
| HSK100A-GER20-160 | 35 | 160 | 1-13 |
| HSK100A-GER25-100 | 40 | 100 | 2-16 |
| HSK100A-GER25-160 | 40 | 160 | 2-16 |
| HSK100A-GER32-100 | 48 | 100 | 2-20 |
| HSK100A-GER32-160 | 48 | 160 | 2-20 |

# Power Milling Chuck
# 强力铣刀柄

A ≤0.008

AD






| Size | d | D | L | Capacity |
|---|---|---|---|---|
| HSK63A-HC20-100 | 20 | 50 | 100 | 3-16; 20 |
| HSK63A-HC25-100 | 25 | 59 | 100 | 3-20; 25 |
| HSK63A-HC32-120 | 32 | 72 | 120 | 3-25; 32 |
| | | | | |
| HSK100A-HC20-105 | 20 | 50 | 105 | 3-16; 20 |
| HSK100A-HC25-105 | 25 | 59 | 105 | 3-20; 25 |
| HSK100A-HC32-120 | 32 | 72 | 120 | 3-25; 32 |
| HSK100A-HC32-165 | 32 | 72 | 165 | 3-25; 32 |
| HSK100A-HC32-200 | 32 | 72 | 200 | 3-25; 32 |

# Power Milling Chuck
# 强力铣刀柄

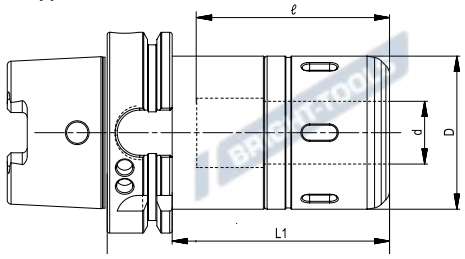
NEW

A ≤0.005

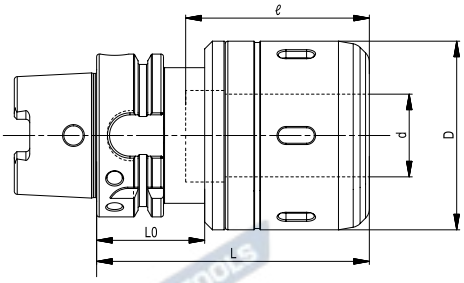
AD



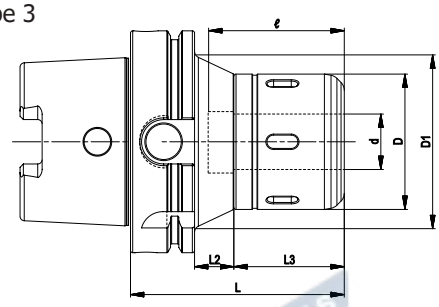
Type 1




Type 2




Type 3

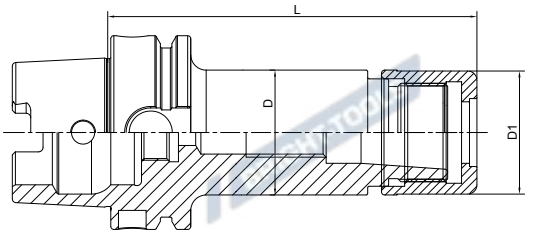



| Size | Type | d | D | D1 | L | L1 | L2 | L3 | ℓ | L0 | G |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK63A-CT16SA-90 | 1 | 16 | 45 | - | 90 | 64 | - | - | 60 | - | M8 |
| HSK63A-CT20SA-90 | 1 | 20 | 52 | - | 90 | 64 | - | - | 60 | - | M8 |
| HSK63A-CT25SA-105 | 2 | 25 | 61 | - | 105 | - | - | - | 75 | 42 | M8 |
| HSK63A-CT32SA-105 | 2 | 32 | 73 | - | 105 | - | - | - | 75 | 42 | M8 |
| HSK63A-CT32SA-120 | 2 | 32 | 73 | - | 120 | - | - | - | 90 | 42 | M8 |
| | | | | | | | | | | | |
| HSK100A-CT16SA-90 | 3 | 16 | 45 | 56 | 90 | - | 16 | 45 | 55 | - | M10 |
| HSK100A-CT20SA-105 | 3 | 20 | 52 | 64 | 105 | - | 18 | 58 | 70 | - | M10 |
| HSK100A-CT25SA-105 | 3 | 25 | 61 | 74 | 105 | - | 20 | 56 | 70 | - | M10 |
| HSK100A-CT25SA-135 | 3 | 25 | 61 | 74 | 135 | - | 50 | 56 | 80 | - | M10 |
| HSK100A-CT32SA-105 | 1 | 32 | 73 | - | 105 | 76 | - | - | 70 | - | M10 |
| HSK100A-CT32SA-120 | 1 | 32 | 73 | - | 120 | 91 | - | - | 85 | - | M10 |
| HSK100A-CT32SA-135 | 1 | 32 | 73 | - | 135 | 106 | - | - | 100 | - | M10 |
| HSK100A-CT42SA-105 | 2 | 42 | 88 | - | 105 | - | - | - | 70 | 45 | M10 |
| HSK100A-CT42SA-135 | 2 | 42 | 88 | - | 135 | - | - | - | 100 | 45 | M10 |
| HSK100A-CT42SA-165 | 2 | 42 | 88 | - | 165 | - | - | - | 120 | 45 | M10 |

# High Speed SKS Collet Chuck
# SKS 高速筒夹刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



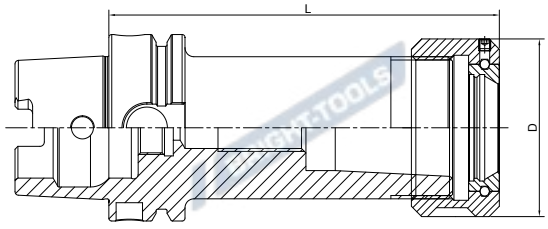



| Size | D | D1 | L | Capacity | M |
|---|---|---|---|---|---|
| HSK63A-SKS10-90 | 27.5 | 27 | 90 | 2-10 | M21.5*1 |
| HSK63A-SKS16-90 | 40.6 | 40 | 90 | 3-16 | M32*1.5 |
| HSK63A-SKS10-120 | 27.5 | 27 | 120 | 2-10 | M21.5*1 |
| HSK63A-SKS16-120 | 40.6 | 40 | 120 | 3-16 | M32*1.5 |
| | | | | | |
| HSK100A-SKS10-90 | 27.5 | 27 | 90 | 2-10 | M21.5*1 |
| HSK100A-SKS16-90 | 40.6 | 40 | 90 | 3-16 | M32*1.5 |
| HSK100A-SKS10-120 | 27.5 | 27 | 120 | 2-10 | M21.5*1 |
| HSK100A-SKS16-120 | 40.6 | 40 | 120 | 3-16 | M32*1.5 |

## OZ Collet Chuck
## OZ 夹头刀柄

| DIN6391 | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G2.5/25000 | AD |



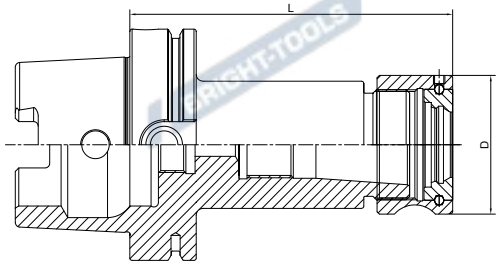



| Size | D | L | Capacity |
|---|---|---|---|
| HSK50A-OZ16-90 | 43 | 90 | 2-16 |
| HSK50A-OZ25-110 | 60 | 110 | 2-25 |
| | | | |
| HSK63A-OZ16-100 | 43 | 100 | 2-16 |
| HSK63A-OZ25-100 | 60 | 100 | 2-25 |
| HSK63A-OZ32-120 | 72 | 120 | 3-32 |
| | | | |
| HSK100A-OZ16-110 | 43 | 110 | 2-16 |
| HSK100A-OZ25-120 | 60 | 120 | 2-25 |
| HSK100A-OZ32-130 | 72 | 130 | 3-32 |

## TG Collet Chuck
## TG 超强力刀柄

| A ↗ | |
|---|---|
| ≤0.005 | AD |



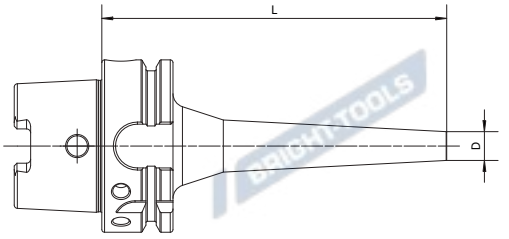



| Size | D | L | Collet | Capacity |
|---|---|---|---|---|
| HSK50A-TG75-110 | 50 | 110 | TG 75 | 2-20 |
| | | | | |
| HSK63A-TG75-120 | 50 | 120 | TG 75 | 2-20 |
| HSK63A-TG100-130 | 60 | 130 | TG 100 | 3-25 |
| | | | | |
| HSK100A-TG75-120 | 50 | 120 | TG 100 | 3-20 |
| HSK100A-TG100-130 | 60 | 130 | TG 100 | 3-25 |

# Pull Back Collet Chuck
# DC 后拉刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



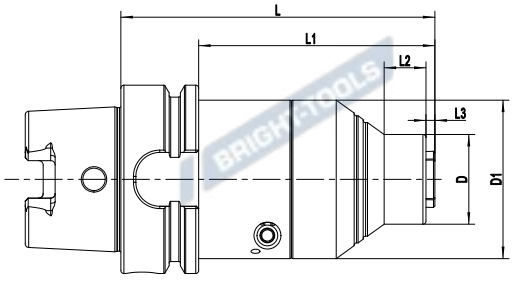



| Size | D | L | Capacity |
|---|---|---|---|
| HSK63A-DC06-60 | 14 | 60 | 1-6 |
| HSK63A-DC06-90 | 14 | 90 | 1-6 |
| HSK63A-DC06-120 | 14 | 120 | 1-6 |
| HSK63A-DC06-150 | 14 | 150 | 1-6 |
| HSK63A-DC08-60 | 22 | 60 | 1-10 |
| HSK63A-DC08-90 | 22 | 90 | 1-10 |
| HSK63A-DC08-120 | 22 | 120 | 1-10 |
| HSK63A-DC08-150 | 22 | 150 | 1-10 |
| HSK63A-DC08-200 | 22 | 200 | 1-10 |
| HSK63A-DC12-90 | 34 | 90 | 1-12 |
| HSK63A-DC12-120 | 34 | 120 | 1-12 |
| HSK63A-DC12-150 | 34 | 150 | 1-12 |
| HSK63A-DC12-200 | 34 | 200 | 1-12 |
| | | | |
| HSK100A-DC06-110 | 14 | 110 | 1-6 |
| HSK100A-DC06-150 | 14 | 150 | 1-6 |
| HSK100A-DC08-110 | 22 | 110 | 1-10 |
| HSK100A-DC08-150 | 22 | 150 | 1-10 |
| HSK100A-DC08-200 | 22 | 200 | 1-10 |
| HSK100A-DC12-120 | 34 | 120 | 1-12 |
| HSK100A-DC12-150 | 34 | 150 | 1-12 |
| HSK100A-DC12-200 | 34 | 200 | 1-12 |

## Precision Screw Collet Chuck
## NDC 后拉刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |



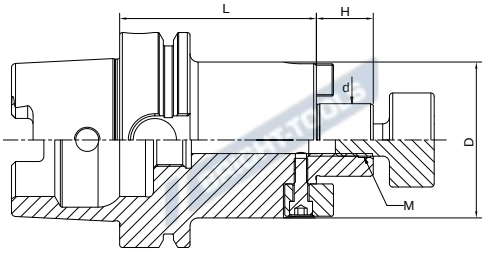



| Size | D | D1 | L | L1 | L2 | L3 |
|---|---|---|---|---|---|---|
| HSK63A-NDC14-105 | 30 | 53 | 105 | 79 | 14 | 3 |
| HSK63A-NDC14-150 | 30 | 53 | 150 | 124 | 59 | 3 |
| HSK63A-NDC20-105 | 40 | 53 | 105 | 79 | 16 | 3 |
| | | | | | | |
| HSK100A-NDC32-145 | 70 | - | 145 | 116 | 15 | 3.5 |

# Face Mill Holder Inch
# 英制面铣刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G2.5/25000 | AD |



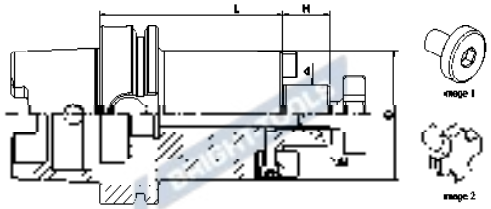



| Size | d | D | H | L | M |
|---|---|---|---|---|---|
| HSK63A-FMA3/4"-50 | 3/4" | 44.45 | 17.45 | 50 | 3/8-24 |
| HSK63A-FMA1"-60 | 1" | 57.15 | 17.45 | 60 | 1/2-20 |
| HSK63A-FMA1-1/4"-60 | 1-1/4" | 69.85 | 17.45 | 60 | 5/8-18 |
| HSK63A-FMA1-1/2"-60 | 1-1/2" | 78 | 23.83 | 60 | 3/4-16 |
| HSK63A-FMA3/4"-100 | 3/4" | 44.45 | 17.45 | 100 | 3/8-24 |
| HSK63A-FMA1"-100 | 1" | 57.15 | 17.45 | 100 | 1/2-20 |
| HSK63A-FMA1-1/4"-100 | 1-1/4" | 69.85 | 17.45 | 100 | 5/8-18 |
| HSK63A-FMA1-1/2"-100 | 1-1/2" | 78 | 23.83 | 100 | 3/4-16 |
| HSK63A-FMA3/4"-160 | 3/4" | 44.45 | 17.45 | 160 | 3/8-24 |
| HSK63A-FMA1"-160 | 1" | 57.15 | 17.45 | 160 | 1/2-20 |
| HSK63A-FMA1-1/4"-160 | 1-1/4" | 69.85 | 17.45 | 160 | 5/8-18 |
| HSK63A-FMA1-1/2"-160 | 1-1/2" | 78 | 23.83 | 160 | 3/4-16 |
| | | | | | |
| HSK100A-FMA3/4"-50 | 3/4" | 44.45 | 17.45 | 50 | 3/8-24 |
| HSK100A-FMA1"-50 | 1" | 57.15 | 17.45 | 50 | 1/2-20 |
| HSK100A-FMA1-1/4"-60 | 1-1/4" | 69.85 | 17.45 | 60 | 5/8-18 |
| HSK100A-FMA1-1/2"-60 | 1-1/2" | 78 | 23.83 | 60 | 3/4-16 |
| HSK100A-FMA3/4"-100 | 3/4" | 44.45 | 17.45 | 100 | 3/8-24 |
| HSK100A-FMA1"-100 | 1" | 57.15 | 17.45 | 100 | 1/2-20 |
| HSK100A-FMA1-1/4"-100 | 1-1/4" | 69.85 | 17.45 | 100 | 5/8-18 |
| HSK100A-FMA1-1/2"-100 | 1-1/2" | 78 | 23.83 | 100 | 3/4-16 |
| HSK100A-FMA3/4"-160 | 3/4" | 44.45 | 17.45 | 160 | 3/8-24 |
| HSK100A-FMA1"-160 | 1" | 57.15 | 17.45 | 160 | 1/2-20 |
| HSK100A-FMA1-1/4"-160 | 1-1/4" | 69.85 | 17.45 | 160 | 5/8-18 |
| HSK100A-FMA1-1/2"-160 | 1-1/2" | 78 | 23.83 | 160 | 3/4-16 |
| | | | | | |
| HSK125A-FMA3/4"-2-60 | 3/4" | 44.45 | 17.45 | 60 | 3/8-24 |
| HSK125A-FMA1"-60 | 1" | 57.15 | 17.45 | 60 | 1/2-20 |
| HSK125A-FMA1-1/2"-60 | 1-1/2" | 78 | 23.83 | 60 | 3/4-16 |
| | | | | | |
| HSK125A-FMA1"-100 | 1" | 57.15 | 17.45 | 100 | 1/2-20 |
| HSK125A-FMA1-1/4"-100 | 1-1/4" | 69.85 | 17.45 | 100 | 5/8-18 |
| HSK125A-FMA1-1/2"-100 | 1-1/2" | 78 | 23.83 | 100 | 3/4-16 |
| HSK125A-FMA2"-100 | 2" | 124 | - | 100 | - |

# Face Mill Holder
# 面铣刀柄

| DIN6357 | A ↗ ≤0.005 | RPM G2.5/25000 | AD |
|---|---|---|---|





| Size | d | D | H | L | M |
|---|---|---|---|---|---|
| HSK50A-FMB16-50 | 16 | 38 | 17 | 50 | M8 |
| HSK50A-FMB22-60 | 22 | 48 | 19 | 60 | M10 |
| HSK50A-FMB27-60 | 27 | 58 | 21 | 60 | M12 |
| HSK50A-FMB32-60 | 32 | 78 | 24 | 60 | M16 |
| | | | | | |
| HSK63A-FMB16-50 | 16 | 38 | 17 | 50 | M8 |
| HSK63A-FMB22-50 | 22 | 48 | 19 | 50 | M10 |
| HSK63A-FMB27-60 | 27 | 58 | 21 | 60 | M12 |
| HSK63A-FMB32-60 | 32 | 78 | 24 | 60 | M16 |
| | | | | | |
| HSK63A-FMB16-100 | 16 | 38 | 17 | 100 | M8 |
| HSK63A-FMB22-100 | 22 | 48 | 19 | 100 | M10 |
| HSK63A-FMB27-100 | 27 | 58 | 21 | 100 | M12 |
| HSK63A-FMB32-100 | 32 | 78 | 24 | 100 | M16 |
| | | | | | |
| HSK63A-FMB16-160 | 16 | 38 | 17 | 160 | M8 |
| HSK63A-FMB22-160 | 22 | 48 | 19 | 160 | M10 |
| HSK63A-FMB27-160 | 27 | 58 | 21 | 160 | M12 |
| HSK63A-FMB32-160 | 32 | 78 | 24 | 160 | M16 |
| | | | | | |
| HSK63A-FMB16-200 | 16 | 38 | 17 | 200 | M8 |
| HSK63A-FMB22-200 | 22 | 48 | 19 | 200 | M10 |
| HSK63A-FMB27-200 | 27 | 58 | 21 | 200 | M12 |
| HSK63A-FMB32-200 | 32 | 78 | 24 | 200 | M16 |
| | | | | | |
| HSK80A-FMB22-50 | 22 | 48 | 19 | 50 | M10 |
| HSK80A-FMB27-50 | 27 | 58 | 21 | 50 | M12 |
| HSK80A-FMB32-60 | 32 | 78 | 24 | 60 | M16 |

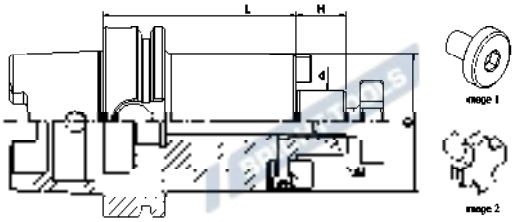
Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国市场面铣刀柄标配圆头螺钉 ( 图 1)，其他国家标配十字花螺钉 ( 图 2).

AD/B Customized
AD/B 可定制

## Face Mill Holder
## 面铣刀柄

| DIN6357 | A ↗ ≤0.003 | RPM G2.5/25000 | AD |
|---|---|---|---|



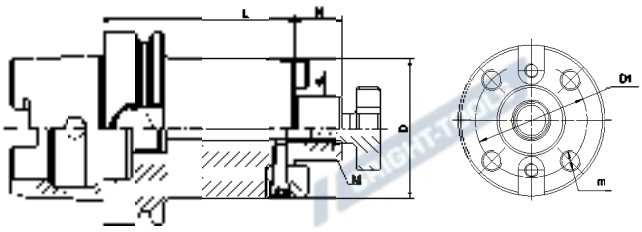


| Size | d | D | H | L | M |
|---|---|---|---|---|---|
| HSK100A-FMB16-50 | 16 | 38 | 17 | 50 | M8 |
| HSK100A-FMB22-50 | 22 | 48 | 19 | 50 | M10 |
| HSK100A-FMB27-50 | 27 | 58 | 21 | 50 | M12 |
| HSK100A-FMB32-60 | 32 | 78 | 24 | 60 | M16 |
| | | | | | |
| HSK100A-FMB16-100 | 16 | 38 | 17 | 100 | M8 |
| HSK100A-FMB22-100 | 22 | 48 | 19 | 100 | M10 |
| HSK100A-FMB27-100 | 27 | 58 | 21 | 100 | M12 |
| HSK100A-FMB32-100 | 32 | 78 | 24 | 100 | M16 |
| | | | | | |
| HSK100A-FMB16-160 | 16 | 38 | 17 | 160 | M8 |
| HSK100A-FMB22-160 | 22 | 48 | 19 | 160 | M10 |
| HSK100A-FMB27-160 | 27 | 58 | 21 | 160 | M12 |
| HSK100A-FMB32-160 | 32 | 78 | 24 | 160 | M16 |
| | | | | | |
| HSK100A-FMB16-200 | 16 | 38 | 17 | 200 | M8 |
| HSK100A-FMB22-200 | 22 | 48 | 19 | 200 | M10 |
| HSK100A-FMB27-200 | 27 | 58 | 21 | 200 | M12 |
| HSK100A-FMB32-200 | 32 | 78 | 24 | 200 | M16 |
| | | | | | |
| HSK100A-FMB16-250 | 16 | 38 | 17 | 250 | M8 |
| HSK100A-FMB22-250 | 22 | 48 | 19 | 250 | M10 |
| HSK100A-FMB27-250 | 27 | 58 | 21 | 250 | M12 |
| HSK100A-FMB32-250 | 32 | 78 | 24 | 250 | M16 |
| | | | | | |
| HSK100A-FMB22-300 | 22 | 48 | 19 | 300 | M10 |
| HSK100A-FMB27-300 | 27 | 58 | 21 | 300 | M12 |
| HSK100A-FMB32-300 | 32 | 78 | 24 | 300 | M16 |
| | | | | | |
| HSK125A-FMB22-60 | 22 | 48 | 19 | 60 | M10 |
| HSK125A-FMB27-60 | 27 | 58 | 21 | 60 | M12 |
| HSK125A-FMB32-60 | 32 | 78 | 24 | 60 | M16 |
| | | | | | |
| HSK125A-FMB27-100 | 27 | 58 | 21 | 100 | M12 |
| HSK125A-FMB32-100 | 32 | 78 | 24 | 100 | M16 |

# Face Mill Holder
# 面铣刀柄

| DIN6357 | A ↗ ≤0.005 | RPM G2.5/25000 | AD |
|---|---|---|---|





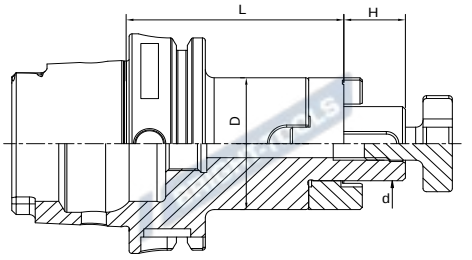

| Size | d | D | D1 | H | L | M | m |
|---|---|---|---|---|---|---|---|
| HSK63A-FMB40-60 | 40 | 88 | 66.7 | 27 | 60 | M20 | M12 |
| HSK63A-FMB40-100 | 40 | 88 | 66.7 | 27 | 100 | M20 | M12 |
| HSK63A-FMB40-160 | 40 | 88 | 66.7 | 27 | 160 | M20 | M12 |
| HSK63A-FMB40-200 | 40 | 88 | 66.7 | 27 | 200 | M20 | M12 |
| | | | | | | | |
| HSK80A-FMB40-60 | 40 | 88 | 66.7 | 27 | 60 | M20 | M12 |
| | | | | | | | |
| HSK100A-FMB40-60 | 40 | 88 | 66.7 | 27 | 60 | M20 | M12 |
| HSK100A-FMB60-70 | 60 | 129 | 101.6 | 25 | 70 | M30 | M16 |
| HSK100A-FMB40-100 | 40 | 88 | 66.7 | 27 | 100 | M20 | M12 |
| HSK100A-FMB40-160 | 40 | 88 | 66.7 | 27 | 160 | M20 | M12 |
| HSK100A-FMB40-200 | 40 | 88 | 66.7 | 27 | 200 | M20 | M12 |
| HSK100A-FMB40-250 | 40 | 88 | 66.7 | 27 | 250 | M20 | M12 |
| HSK100A-FMB40-300 | 40 | 88 | 66.7 | 27 | 300 | M20 | M12 |
| | | | | | | | |
| HSK125A-FMB40-60 | 40 | 88 | 66.7 | 27 | 60 | M20 | M12 |
| HSK125A-FMB40-100 | 40 | 88 | 66.7 | 27 | 100 | M20 | M12 |

FMB40 tool holder is with one retaining screw (image 2) . but it is with one universal screw (image 1) in China.
FMB40 刀柄中国市场面铣刀柄标配圆头螺钉 ( 图 1)，其他国家标配十字花螺钉 ( 图 2).

# Combi Shell Mill Holder
# 混合插入式铣刀柄

| DIN6358 | A ↗ ≤0.005 | RPM G2.5/25000 |
|---|---|---|



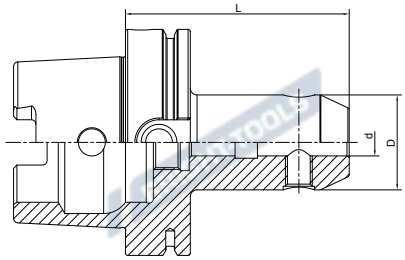



| Size | d | D | L | L1 |
|---|---|---|---|---|
| HSK50A-SEMC16-50 | 16 | 32 | 50 | 17 |
| HSK50A-SEMC22-50 | 22 | 40 | 50 | 19 |
| HSK50A-SEMC27-65 | 27 | 48 | 65 | 21 |
| HSK50A-SEMC32-65 | 32 | 58 | 65 | 24 |
| | | | | |
| HSK63A-SEMC16-60 | 16 | 32 | 60 | 17 |
| HSK63A-SEMC22-60 | 22 | 40 | 60 | 19 |
| HSK63A-SEMC27-60 | 27 | 48 | 60 | 21 |
| HSK63A-SEMC32-60 | 32 | 58 | 60 | 24 |
| HSK63A-SEMC40-70 | 40 | 70 | 70 | 27 |
| | | | | |
| HSK63A-SEMC16-100 | 16 | 32 | 100 | 17 |
| HSK63A-SEMC22-100 | 22 | 40 | 100 | 19 |
| HSK63A-SEMC27-100 | 27 | 48 | 100 | 21 |
| HSK63A-SEMC32-100 | 32 | 58 | 100 | 24 |
| | | | | |
| HSK80A-SEMC16-60 | 16 | 32 | 60 | 17 |
| HSK80A-SEMC22-60 | 22 | 40 | 60 | 19 |
| HSK80A-SEMC27-60 | 27 | 48 | 60 | 21 |
| HSK80A-SEMC32-60 | 32 | 58 | 60 | 24 |
| HSK80A-SEMC40-70 | 40 | 70 | 70 | 27 |
| | | | | |
| HSK100A-SEMC16-60 | 16 | 32 | 60 | 17 |
| HSK100A-SEMC22-60 | 22 | 40 | 60 | 19 |
| HSK100A-SEMC27-60 | 27 | 48 | 60 | 21 |
| HSK100A-SEMC32-60 | 32 | 58 | 60 | 24 |
| HSK100A-SEMC40-70 | 40 | 70 | 70 | 27 |

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G2.5/25000 | AD |



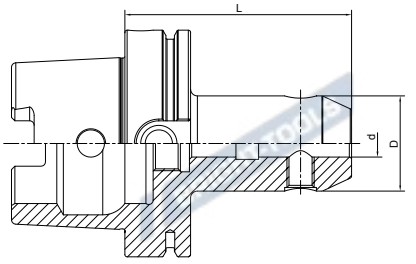



| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| HSK50A-SLA06-65 | 6 | 25 | 65 | M6 | 1 |
| HSK50A-SLA08-65 | 8 | 28 | 65 | M8 | 1 |
| HSK50A-SLA10-65 | 10 | 35 | 65 | M10 | 1 |
| | | | | | |
| HSK50A-SLA12-80 | 12 | 42 | 80 | M12 | 1 |
| HSK50A-SLA14-80 | 14 | 44 | 80 | M12 | 1 |
| HSK50A-SLA16-80 | 16 | 48 | 80 | M14 | 1 |
| HSK50A-SLA18-80 | 18 | 50 | 80 | M14 | 1 |
| HSK50A-SLA20-80 | 20 | 52 | 80 | M16 | 1 |
| | | | | | |
| HSK50A-SLA25-110 | 25 | 60 | 110 | M18*2 | 2 |
| HSK50A-SLA32-110 | 32 | 60 | 110 | M20*2 | 2 |
| | | | | | |
| HSK63A-SLA06-65 | 6 | 25 | 65 | M6 | 1 |
| HSK63A-SLA08-65 | 8 | 28 | 65 | M8 | 1 |
| HSK63A-SLA10-65 | 10 | 35 | 65 | M10 | 1 |
| HSK63A-SLA12-80 | 12 | 42 | 80 | M12 | 1 |
| HSK63A-SLA14-80 | 14 | 44 | 80 | M12 | 1 |
| HSK63A-SLA16-80 | 16 | 48 | 80 | M14 | 1 |
| HSK63A-SLA20-80 | 20 | 52 | 80 | M16 | 1 |
| HSK63A-SLA25-110 | 25 | 65 | 110 | M18*2 | 2 |
| HSK63A-SLA32-110 | 32 | 72 | 110 | M20*2 | 2 |
| HSK63A-SLA40-125 | 40 | 80 | 125 | M20*2 | 2 |
| | | | | | |
| HSK63A-SLA06-100 | 6 | 25 | 100 | M6 | 1 |
| HSK63A-SLA08-100 | 8 | 28 | 100 | M8 | 1 |
| HSK63A-SLA10-100 | 10 | 35 | 100 | M10 | 1 |
| HSK63A-SLA14-100 | 14 | 44 | 100 | M12 | 1 |
| HSK63A-SLA16-100 | 16 | 48 | 100 | M12 | 1 |
| HSK63A-SLA18-100 | 18 | 50 | 100 | M14 | 1 |
| HSK63A-SLA20-100 | 20 | 52 | 100 | M16 | 1 |

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ ≤0.005 | RPM G2.5/25000 | AD |
|---|---|---|---|



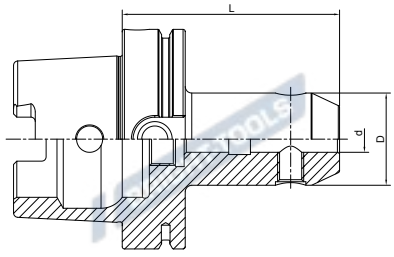



| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| HSK63A-SLA06-160 | 6 | 25 | 160 | M6 | 1 |
| HSK63A-SLA08-160 | 8 | 28 | 160 | M8 | 1 |
| HSK63A-SLA10-160 | 10 | 35 | 160 | M10 | 1 |
| HSK63A-SLA12-160 | 12 | 42 | 160 | M12 | 1 |
| HSK63A-SLA14-160 | 14 | 44 | 160 | M12 | 1 |
| HSK63A-SLA16-160 | 16 | 48 | 160 | M14 | 1 |
| HSK63A-SLA18-160 | 18 | 50 | 160 | M14 | 1 |
| HSK63A-SLA20-160 | 20 | 52 | 160 | M16 | 1 |
| HSK63A-SLA25-160 | 25 | 65 | 160 | M18*2 | 2 |
| HSK63A-SLA32-160 | 32 | 72 | 160 | M20*2 | 2 |
| | | | | | |
| HSK80A-SLA06-80 | 6 | 25 | 80 | M6 | 1 |
| HSK80A-SLA08-80 | 8 | 28 | 80 | M8 | 1 |
| HSK80A-SLA10-80 | 10 | 35 | 80 | M10 | 1 |
| HSK80A-SLA12-80 | 12 | 42 | 80 | M12 | 1 |
| HSK80A-SLA14-80 | 14 | 44 | 80 | M12 | 1 |
| HSK80A-SLA16-100 | 16 | 48 | 100 | M14 | 1 |
| HSK80A-SLA18-100 | 18 | 50 | 100 | M14 | 1 |
| HSK80A-SLA20-100 | 20 | 52 | 100 | M16 | 1 |
| HSK80A-SLA25-100 | 25 | 65 | 100 | M18*2 | 2 |
| HSK80A-SLA32-110 | 32 | 72 | 110 | M20*2 | 2 |
| HSK80A-SLA40-120 | 40 | 80 | 120 | M20*2 | 2 |
| | | | | | |
| HSK100A-SLA08-80 | 8 | 28 | 80 | M8 | 1 |
| HSK100A-SLA10-80 | 10 | 35 | 80 | M10 | 1 |
| HSK100A-SLA12-80 | 12 | 42 | 80 | M12 | 1 |
| HSK100A-SLA14-80 | 14 | 44 | 80 | M12 | 1 |
| HSK100A-SLA16-100 | 16 | 48 | 100 | M14 | 1 |
| HSK100A-SLA18-100 | 18 | 50 | 100 | M14 | 1 |
| HSK100A-SLA20-100 | 20 | 52 | 100 | M16 | 1 |
| HSK100A-SLA25-100 | 25 | 65 | 100 | M18*2 | 2 |
| HSK100A-SLA32-100 | 32 | 72 | 100 | M20*2 | 2 |
| HSK100A-SLA40-105 | 40 | 80 | 105 | M20*2 | 2 |
| HSK100A-SLA50-130 | 50 | 100 | 130 | M24*2 | 2 |

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ ≤0.005 | RPM G2.5/25000 | AD |
|---|---|---|---|



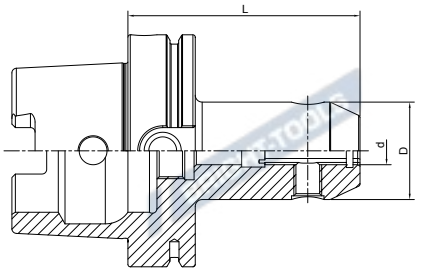



| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| HSK100A-SLA08-160 | 8 | 28 | 160 | M8 | 1 |
| HSK100A-SLA10-160 | 10 | 35 | 160 | M10 | 1 |
| HSK100A-SLA12-160 | 12 | 42 | 160 | M12 | 1 |
| HSK100A-SLA14-160 | 14 | 44 | 160 | M12 | 1 |
| HSK100A-SLA16-160 | 16 | 48 | 160 | M14 | 1 |
| HSK100A-SLA18-160 | 18 | 50 | 160 | M14 | 1 |
| HSK100A-SLA20-160 | 20 | 52 | 160 | M16 | 1 |
| HSK100A-SLA25-160 | 25 | 65 | 160 | M18*2 | 2 |
| HSK100A-SLA32-160 | 32 | 72 | 160 | M20*2 | 2 |
| HSK100A-SLA40-160 | 40 | 80 | 160 | M20*2 | 2 |
| | | | | | |
| HSK125A-SLA10-80 | 10 | 35 | 80 | M10 | 1 |
| HSK125A-SLA12-80 | 12 | 42 | 80 | M12 | 1 |
| HSK125A-SLA14-80 | 14 | 44 | 80 | M12 | 1 |
| | | | | | |
| HSK125A-SLA16-100 | 16 | 48 | 100 | M14 | 1 |
| HSK125A-SLA20-100 | 20 | 52 | 100 | M16 | 1 |
| HSK125A-SLA25-100 | 25 | 65 | 100 | M18*2 | 2 |
| HSK125A-SLA32-100 | 32 | 72 | 100 | M20*2 | 2 |
| HSK125A-SLA40-105 | 40 | 80 | 105 | M20*2 | 2 |
| HSK125A-SLA50-130 | 50 | 100 | 130 | M24*2 | 2 |

## End Mill Holder with Coolant Channels
## 侧固刀柄，端面出水型

| DIN6359/1835B | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G2.5/25000 | AD |



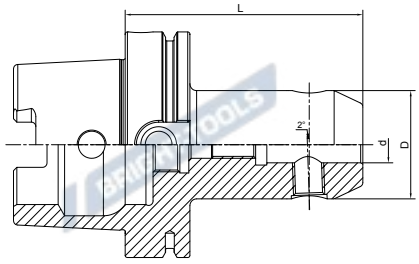



| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| HSK63A-SLA06-65K | 6 | 25 | 65 | M6 | 1 |
| HSK63A-SLA08-65K | 8 | 28 | 65 | M8 | 1 |
| HSK63A-SLA10-65K | 10 | 35 | 65 | M10 | 1 |
| HSK63A-SLA12-80K | 12 | 42 | 80 | M12 | 1 |
| HSK63A-SLA14-80K | 14 | 44 | 80 | M12 | 1 |
| HSK63A-SLA16-80K | 16 | 48 | 80 | M14 | 1 |
| HSK63A-SLA18-80K | 18 | 50 | 80 | M14 | 1 |
| HSK63A-SLA20-80K | 20 | 52 | 80 | M16 | 1 |
| HSK63A-SLA25-110K | 25 | 65 | 110 | M18*2 | 2 |
| HSK63A-SLA32-110K | 32 | 72 | 110 | M20*2 | 2 |
| HSK63A-SLA40-125K | 40 | 80 | 125 | M20*2 | 2 |
| | | | | | |
| HSK100A-SLA06-80K | 6 | 25 | 80 | M6 | 1 |
| HSK100A-SLA08-80K | 8 | 28 | 80 | M8 | 1 |
| HSK100A-SLA10-80K | 10 | 35 | 80 | M10 | 1 |
| HSK100A-SLA12-80K | 12 | 42 | 80 | M12 | 1 |
| HSK100A-SLA14-80K | 14 | 44 | 80 | M12 | 1 |
| HSK100A-SLA16-100K | 16 | 48 | 100 | M14 | 1 |
| HSK100A-SLA18-100K | 18 | 50 | 100 | M14 | 1 |
| HSK100A-SLA20-100K | 20 | 52 | 100 | M16 | 1 |
| HSK100A-SLA25-100K | 25 | 65 | 100 | M18*2 | 2 |
| HSK100A-SLA32-100K | 32 | 72 | 100 | M20*2 | 2 |
| HSK100A-SLA40-105K | 40 | 80 | 105 | M20*2 | 2 |

# End Mill Holder Whistle Notch
# 侧固式铣刀柄，斜 2 度

| DIN1835E | A ↗ | RPM | |
|---|---|---|---|
| | ≤0.005 | G2.5/25000 | AD |



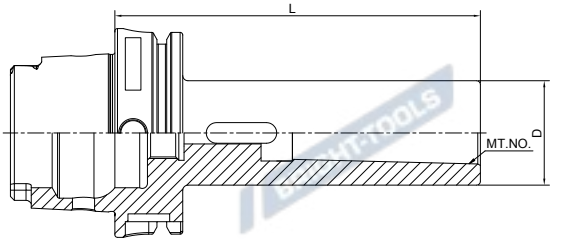



| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| HSK63A-SLB06-80 | 6 | 25 | 80 | M6 | 1 |
| HSK63A-SLB08-80 | 8 | 28 | 80 | M8 | 1 |
| HSK63A-SLB10-80 | 10 | 35 | 80 | M10 | 1 |
| HSK63A-SLB12-90 | 12 | 42 | 90 | M12 | 1 |
| HSK63A-SLB14-90 | 14 | 44 | 90 | M12 | 1 |
| HSK63A-SLB16-100 | 16 | 48 | 100 | M14 | 1 |
| HSK63A-SLB18-100 | 18 | 50 | 100 | M14 | 1 |
| HSK63A-SLB20-100 | 20 | 52 | 100 | M16 | 1 |
| HSK63A-SLB25-110 | 25 | 65 | 110 | M18*2 | 2 |
| HSK63A-SLB32-110 | 32 | 72 | 110 | M20*2 | 2 |
| HSK63A-SLB40-125 | 40 | 80 | 125 | M20*2 | 2 |
| | | | | | |
| HSK100A-SLB06-90 | 6 | 25 | 90 | M6 | 1 |
| HSK100A-SLB08-90 | 8 | 28 | 90 | M8 | 1 |
| HSK100A-SLB10-90 | 10 | 35 | 90 | M10 | 1 |
| HSK100A-SLB12-100 | 12 | 42 | 100 | M12 | 1 |
| HSK100A-SLB14-100 | 14 | 44 | 100 | M12 | 1 |
| HSK100A-SLB16-100 | 16 | 48 | 100 | M14 | 1 |
| HSK100A-SLB18-100 | 18 | 50 | 100 | M14 | 1 |
| HSK100A-SLB20-110 | 20 | 52 | 110 | M16 | 1 |
| HSK100A-SLB25-120 | 25 | 65 | 120 | M18*2 | 2 |
| HSK100A-SLB32-120 | 32 | 72 | 120 | M20*2 | 2 |
| HSK100A-SLB40-120 | 40 | 80 | 120 | M20*2 | 2 |
| | | | | | |
| HSK125A-SLB20-120 | 20 | 52 | 120 | M16 | 1 |
| HSK125A-SLB25-130 | 25 | 65 | 130 | M18*2 | 2 |
| HSK125A-SLB32-130 | 32 | 72 | 130 | M20*2 | 2 |

## Morse Taper Adapter with Tang
## 带扁尾莫氏刀柄

| DIN6383 | A ↗ | RPM |
|---|---|---|
| | ≤0.005 | G2.5/25000 |



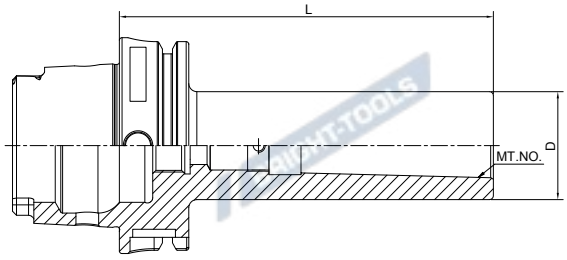



| Size | MT. NO. | D | L |
|---|---|---|---|
| HSK50A-MTA1-100 | 1 | 25 | 100 |
| HSK50A-MTA2-120 | 2 | 32 | 120 |
| HSK50A-MTA3-140 | 3 | 40 | 140 |
| | | | |
| HSK63A-MTA1-100 | 1 | 25 | 100 |
| HSK63A-MTA2-120 | 2 | 32 | 120 |
| HSK63A-MTA3-140 | 3 | 40 | 140 |
| HSK63A-MTA4-160 | 4 | 48 | 160 |
| | | | |
| HSK80A-MTA1-110 | 1 | 25 | 110 |
| HSK80A-MTA2-120 | 2 | 32 | 120 |
| HSK80A-MTA3-140 | 3 | 40 | 140 |
| HSK80A-MTA4-160 | 4 | 48 | 160 |
| | | | |
| HSK100A-MTA1-110 | 1 | 25 | 110 |
| HSK100A-MTA2-120 | 2 | 32 | 120 |
| HSK100A-MTA3-150 | 3 | 40 | 150 |
| HSK100A-MTA4-170 | 4 | 48 | 170 |
| HSK100A-MTA5-200 | 5 | 63 | 200 |

## Morse Taper Adapter with Drawbar
## 带螺纹孔莫氏刀柄

| DIN6364 | A ↗ | RPM |
|---|---|---|
| | ≤0.005 | G2.5/25000 |



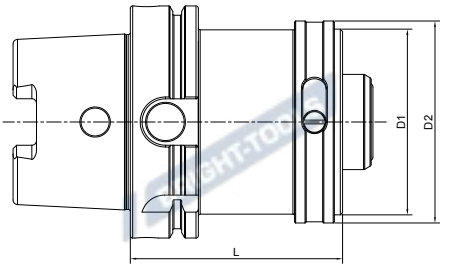



| Size | MT. NO. | D | L |
|---|---|---|---|
| HSK50A-MTB1-100 | 1 | 25 | 100 |
| HSK50A-MTB2-120 | 2 | 32 | 120 |
| HSK50A-MTB3-140 | 3 | 40 | 140 |
| | | | |
| HSK63A-MTB1-100 | 1 | 25 | 100 |
| HSK63A-MTB2-120 | 2 | 32 | 120 |
| HSK63A-MTB3-140 | 3 | 40 | 140 |
| HSK63A-MTB4-160 | 4 | 48 | 160 |
| | | | |
| HSK80A-MTB1-110 | 1 | 25 | 110 |
| HSK80A-MTB2-120 | 2 | 32 | 120 |
| HSK80A-MTB3-150 | 3 | 40 | 150 |
| HSK80A-MTB4-170 | 4 | 48 | 170 |
| | | | |
| HSK100A-MTB1-110 | 1 | 25 | 110 |
| HSK100A-MTB2-120 | 2 | 32 | 120 |
| HSK100A-MTB3-150 | 3 | 40 | 150 |
| HSK100A-MTB4-170 | 4 | 48 | 170 |
| HSK100A-MTB5-200 | 5 | 63 | 200 |

## Tool Holder Adapter Sleeve
## 转换刀柄

A ≤0.005 | AD

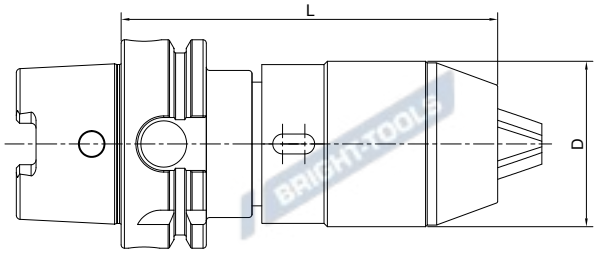





| Size | D1 | D2 | L |
|---|---|---|---|
| HSK50A-HSK50C-80 | 50 | 55 | 80 |
| HSK50A-HSK50C-100 | 50 | 55 | 100 |
| HSK63A-HSK63C-100 | 63 | 70 | 100 |
| HSK63A-HSK63C-140 | 63 | 70 | 140 |
| HSK80A-HSK80C-120 | 80 | 87 | 120 |
| HSK80A-HSK80C-160 | 80 | 87 | 160 |
| HSK100A-HSK100C-140 | 100 | 110 | 140 |
| HSK100A-HSK100C-200 | 100 | 110 | 200 |
| | | | |
| HSK50A-HSK32C-60 | 32 | 37 | 60 |
| HSK50A-HSK32C-70 | 40 | 45 | 70 |
| HSK63A-HSK32C-70 | 32 | 37 | 70 |
| HSK63A-HSK40C-80 | 40 | 45 | 80 |
| HSK63A-HSK50C-80 | 50 | 55 | 80 |
| HSK80A-HSK40C-80 | 40 | 45 | 80 |
| HSK80A-HSK50C-80 | 50 | 55 | 80 |
| HSK80A-HSK63C-100 | 63 | 70 | 100 |
| HSK100A-HSK50C-80 | 50 | 55 | 80 |
| HSK100A-HSK63C-100 | 63 | 70 | 100 |
| HSK100A-HSK80C-100 | 80 | 87 | 100 |
| | | | |
| HSK125A-HSK63C-100 | 63 | 70 | 100 |

## APU Drill Chuck Holder
## APU 钻夹头刀柄





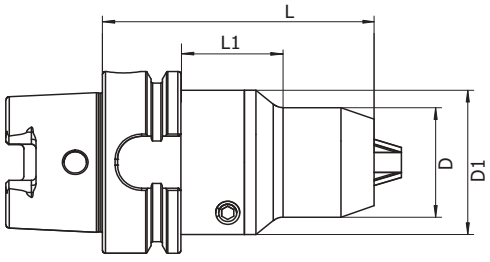

| Size | D | L | Capacity |
|---|---|---|---|
| HSK63A-APU13-130 | 48 | 130 | 1-13 |
| HSK63A-APU16-140 | 53 | 140 | 3-16 |
| | | | |
| HSK100A-APU13-140 | 48 | 140 | 1-13 |
| HSK100A-APU16-150 | 53 | 150 | 3-16 |



## Precision Drill Chuck Holder
## 精密钻夹头刀柄

| A ↗ | RPM |
|---|---|
| ≤0.03 | G2.5/25000 |

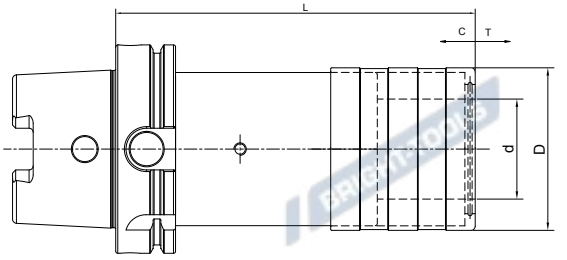





| Size | D | D1 | L | L1 | Capacity |
|---|---|---|---|---|---|
| HSK63A-CPU10-90 | 38 | 50 | 90 | 32 | 1-10 |
| HSK63A-CPU13-100 | 50 | - | 100 | - | 1-13 |
| HSK63A-CPU16-100 | 50 | - | 100 | - | 1-16 |
| | | | | | |
| HSK100A-CPU13-105 | 50 | - | 105 | - | 1-13 |
| HSK100A-CPU16-105 | 50 | - | 105 | - | 1-16 |

## Quick Change Tapping Chuck with Length Compensation
## 弹性快换攻丝刀柄



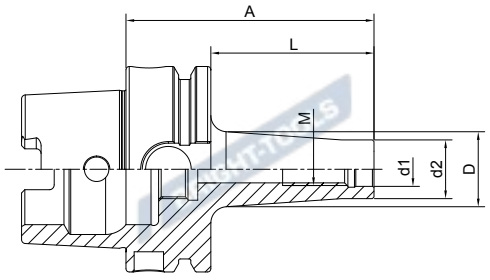



| Size | d | D | L | T | C |
|---|---|---|---|---|---|
| HSK63A-TC312-102 | 19 | 36 | 102 | 7.5 | 7.5 |
| HSK63A-TC820-140 | 31 | 53 | 140 | 12.5 | 12.5 |
| HSK63A-TC1433-210 | 48 | 78 | 210 | 22 | 22 |
| | | | | | |
| HSK100A-TC312-112 | 19 | 36 | 112 | 7.5 | 7.5 |
| HSK100A-TC820-148 | 31 | 53 | 148 | 12.5 | 12.5 |
| HSK100A-TC1433-210 | 48 | 78 | 210 | 22 | 22 |

## Screw-in Milling Cutter Holder
## 锁牙刀柄，锥柄型

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G2.5/25000 | AD |



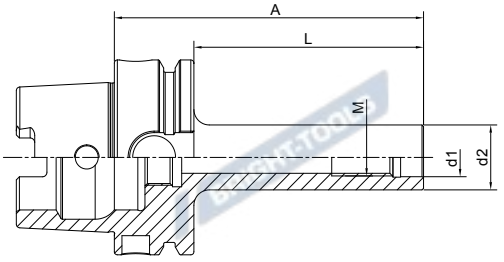



| Size | M | d1 | d2 | A | L | D |
|---|---|---|---|---|---|---|
| HSK63A-SOM08-51 L=25 | 8 | 8.5 | 14.5 | 51 | 25 | 15 |
| HSK63A-SOM08-76 L=50 | 8 | 8.5 | 14.5 | 76 | 50 | 23 |
| HSK63A-SOM08-101 L=75 | 8 | 8.5 | 14.5 | 101 | 75 | 23 |
| HSK63A-SOM10-51 L=25 | 10 | 10.5 | 18 | 51 | 25 | 20 |
| HSK63A-SOM10-76 L=50 | 10 | 10.5 | 18 | 76 | 50 | 23 |
| HSK63A-SOM10-126 L=100 | 10 | 10.5 | 18 | 126 | 100 | 32 |
| HSK63A-SOM10-176 L=150 | 10 | 10.5 | 18 | 176 | 150 | 36.5 |
| HSK63A-SOM12-51 L=25 | 12 | 12.5 | 21 | 51 | 25 | 24 |
| HSK63A-SOM12-76 L=50 | 12 | 12.5 | 21 | 76 | 50 | 34 |
| HSK63A-SOM12-101 L=75 | 12 | 12.5 | 21 | 101 | 75 | 31 |
| HSK63A-SOM12-126 L=100 | 12 | 12.5 | 21 | 126 | 100 | 33 |
| HSK63A-SOM12-176 L=150 | 12 | 12.5 | 21 | 176 | 150 | 40 |
| HSK63A-SOM16-51 L=25 | 16 | 17 | 29 | 51 | 25 | 29 |
| HSK63A-SOM16-76 L=50 | 16 | 17 | 29 | 76 | 50 | 34 |
| HSK63A-SOM16-101 L=75 | 16 | 17 | 29 | 101 | 75 | 34 |
| HSK63A-SOM16-126 L=100 | 16 | 17 | 29 | 126 | 100 | 36 |
| HSK63A-SOM16-176 L=150 | 16 | 17 | 29 | 176 | 150 | 42.5 |
| | | | | | | |
| HSK100A-SOM08-79 L=50 | 8 | 8.5 | 14.5 | 79 | 50 | 23 |
| HSK100A-SOM10-79 L=50 | 10 | 10.5 | 18 | 79 | 50 | 23 |
| HSK100A-SOM10-129 L=100 | 10 | 10.5 | 18 | 129 | 100 | 32 |
| HSK100A-SOM10-179 L=150 | 10 | 10.5 | 18 | 179 | 150 | 36.5 |
| HSK100A-SOM12-79 L=50 | 12 | 12.5 | 21 | 79 | 50 | 24 |
| HSK100A-SOM12-129 L=100 | 12 | 12.5 | 21 | 129 | 100 | 33 |
| HSK100A-SOM12-179 L=150 | 12 | 12.5 | 21 | 179 | 150 | 40 |
| HSK100A-SOM16-79 L=50 | 16 | 17 | 29 | 79 | 50 | 34 |
| HSK100A-SOM16-129 L=100 | 16 | 17 | 29 | 129 | 100 | 36 |
| HSK100A-SOM16-179 L=150 | 16 | 17 | 29 | 179 | 150 | 42.5 |

# Screw-in Milling Cutter Holder
# 锁牙刀柄，直柄型

| A ↗ | RPM | |
|---|---|---|
| ≤0.005 | G2.5/25000 | AD |



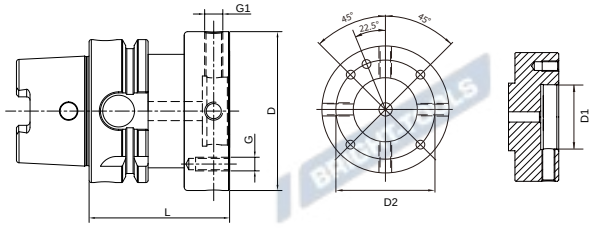



| Size | M | d1 | d2 | A | L |
|---|---|---|---|---|---|
| HSK63A-M10-126 L=100 | 10 | 10.5 | 18 | 126 | 100 |
| HSK63A-M10-176 L=150 | 10 | 10.5 | 18 | 176 | 150 |
| HSK63A-M12-101 L=75 | 12 | 12.5 | 21 | 101 | 75 |
| HSK63A-M12-126 L=100 | 12 | 12.5 | 21 | 126 | 100 |
| HSK63A-M12-176 L=150 | 12 | 12.5 | 21 | 176 | 150 |
| HSK63A-M16-101 L=75 | 16 | 17 | 29 | 101 | 75 |
| HSK63A-M16-126 L=100 | 16 | 17 | 29 | 126 | 100 |
| HSK63A-M16-176 L=150 | 16 | 17 | 29 | 176 | 150 |
| | | | | | |
| HSK100A-M10-129 L=100 | 10 | 10.5 | 18 | 129 | 100 |
| HSK100A-M10-179 L=150 | 10 | 10.5 | 18 | 179 | 150 |
| HSK100A-M12-129 L=100 | 12 | 12.5 | 21 | 129 | 100 |
| HSK100A-M12-179 L=150 | 12 | 12.5 | 21 | 179 | 150 |
| HSK100A-M16-129 L=100 | 16 | 17 | 29 | 129 | 100 |
| HSK100A-M16-179 L=150 | 16 | 17 | 29 | 179 | 150 |

# Runout Adjustable Flange Adapter
# 可调节精度法兰刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.002 | G2.5/25000 | AD |



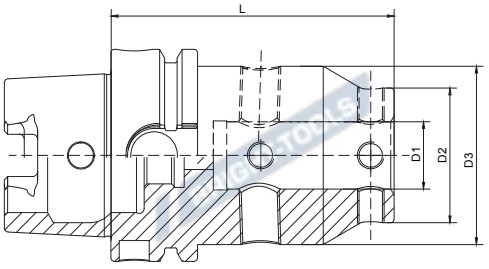



| Size | HSK-A | D | D1 | D2 | L | G | G1 |
|---|---|---|---|---|---|---|---|
| HSK50A-MOD060-060 | 50 | 60 | 30 | 44 | 60 | M5 | M8x1 |
| HSK50A-MOD070-060 | 50 | 70 | 35 | 53 | 60 | M6 | M8x1 |
| HSK50A-MOD080-060 | 50 | 80 | 40 | 63 | 60 | M6 | M8x1 |
| HSK63A-MOD060-060 | 63 | 60 | 30 | 44 | 60 | M5 | M8x1 |
| HSK63A-MOD070-060 | 63 | 70 | 35 | 53 | 60 | M6 | M8x1 |
| HSK63A-MOD080-060 | 63 | 80 | 40 | 63 | 60 | M6 | M8x1 |
| HSK63A-MOD100-065 | 63 | 100 | 50 | 79 | 65 | M8 | M10x1 |
| HSK63A-MOD117-065 | 63 | 117 | 60 | 96 | 65 | M8 | M10x1 |
| | | | | | | | |
| HSK80A-MOD060-050 | 80 | 60 | 30 | 44 | 50 | M5 | M8x1 |
| HSK80A-MOD070-060 | 80 | 70 | 35 | 53 | 60 | M6 | M8x1 |
| HSK80A-MOD080-060 | 80 | 80 | 40 | 63 | 60 | M6 | M8x1 |
| HSK80A-MOD100-065 | 80 | 100 | 50 | 79 | 65 | M8 | M10x1 |
| HSK80A-MOD117-065 | 80 | 117 | 60 | 96 | 65 | M8 | M10x1 |
| HSK80A-MOD140-075 | 80 | 140 | 80 | 119 | 75 | M10 | M10x1 |
| | | | | | | | |
| HSK100A-MOD060-055 | 100 | 60 | 30 | 44 | 55 | M5 | M8x1 |
| HSK100A-MOD070-055 | 100 | 70 | 35 | 53 | 55 | M6 | M8x1 |
| HSK100A-MOD080-055 | 100 | 80 | 40 | 63 | 55 | M6 | M8x1 |
| HSK100A-MOD100-065 | 100 | 100 | 50 | 79 | 65 | M8 | M10x1 |
| HSK100A-MOD117-065 | 100 | 117 | 60 | 96 | 65 | M8 | M10x1 |
| HSK100A-MOD140-075 | 100 | 140 | 80 | 119 | 75 | M10 | M10x1 |
| | | | | | | | |
| HSK125A-MOD060-55 | 125 | 60 | 30 | 44 | 55 | M5 | M8x1 |
| HSK125A-MOD070-55 | 125 | 70 | 35 | 53 | 55 | M6 | M8x1 |
| HSK125A-MOD080-55 | 125 | 80 | 40 | 63 | 55 | M6 | M8x1 |
| HSK125A-MOD100-65 | 125 | 100 | 50 | 79 | 65 | M8 | M10x1 |
| HSK125A-MOD117-65 | 125 | 117 | 60 | 96 | 65 | M8 | M10x1 |
| HSK125A-MOD140-75 | 125 | 140 | 80 | 119 | 75 | M10 | M10x1 |
| | | | | | | | |
| HSK160A-MOD060-55 | 125 | 60 | 30 | 44 | 55 | M5 | M8x1 |
| HSK160A-MOD070-55 | 125 | 70 | 35 | 53 | 55 | M6 | M8x1 |
| HSK160A-MOD080-55 | 125 | 80 | 40 | 63 | 55 | M6 | M8x1 |
| HSK160A-MOD100-65 | 125 | 100 | 50 | 79 | 65 | M8 | M10x1 |
| HSK160A-MOD117-65 | 125 | 117 | 60 | 96 | 65 | M8 | M10x1 |
| HSK160A-MOD140-75 | 125 | 140 | 80 | 119 | 75 | M10 | M10x1 |

# UM Adjustable Tool Holder
# UM 调零刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G2.5/25000 | AD |

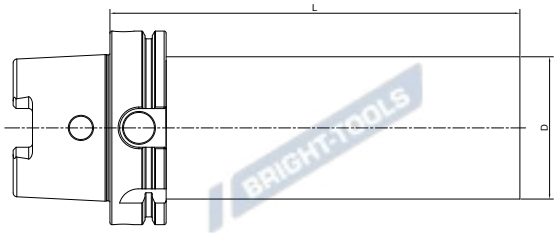





| Size | D1 | D2 | D3 | L |
|---|---|---|---|---|
| HSK50A-UM12-85 | 12 | 28 | 44.5 | 85 |
| HSK50A-UM16-85 | 16 | 32 | 48 | 85 |
| HSK50A-UM20-95 | 20 | 40 | 53 | 95 |
| HSK50A-UM25-105 | 25 | 48 | 63 | 105 |
| HSK50A-UM32-110 | 32 | 52 | 63 | 110 |
| | | | | |
| HSK63A-UM12-75 | 12 | 28 | 44.5 | 75 |
| HSK63A-UM16-75 | 16 | 32 | 48 | 75 |
| HSK63A-UM20-85 | 20 | 40 | 53 | 85 |
| HSK63A-UM25-105 | 25 | 48 | 63 | 105 |
| HSK63A-UM32-110 | 32 | 52 | 63 | 110 |
| | | | | |
| HSK100A-UM12-80 | 12 | 28 | 44.5 | 80 |
| HSK100A-UM16-80 | 16 | 32 | 48 | 80 |
| HSK100A-UM20-95 | 20 | 40 | 53 | 95 |
| HSK100A-UM25-110 | 25 | 48 | 63 | 110 |
| HSK100A-UM32-115 | 32 | 52 | 63 | 115 |

# Boring Bar Blank
# 基础柄





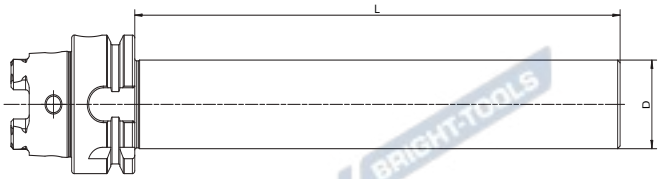

| Size | D | L |
|---|---|---|
| HSK50A-D050-160 | 50 | 160 |
| HSK50A-D065-200 | 65 | 200 |
| | | |
| HSK63A-D065-160 | 65 | 160 |
| HSK63A-D065-210 | 65 | 210 |
| HSK63A-D065-250 | 65 | 250 |
| HSK63A-D065-300 | 65 | 300 |
| | | |
| HSK63A-D080-160 | 80 | 160 |
| HSK63A-D080-210 | 80 | 210 |
| HSK63A-D080-250 | 80 | 250 |
| HSK63A-D080-300 | 80 | 300 |
| HSK63A-D100-160 | 100 | 160 |
| HSK63A-D100-210 | 100 | 210 |
| HSK63A-D100-250 | 100 | 250 |
| HSK63A-D100-300 | 100 | 300 |
| HSK63A-D120-160 | 120 | 160 |
| HSK63A-D120-210 | 120 | 210 |
| HSK63A-D120-250 | 120 | 250 |
| HSK63A-D120-300 | 120 | 300 |
| | | |
| HSK100A-D080-160 | 80 | 160 |
| HSK100A-D080-210 | 80 | 210 |
| HSK100A-D080-250 | 80 | 250 |
| HSK100A-D080-300 | 80 | 300 |
| HSK100A-D100-160 | 100 | 160 |
| HSK100A-D100-210 | 100 | 210 |
| HSK100A-D100-250 | 100 | 250 |
| HSK100A-D100-300 | 100 | 300 |
| HSK100A-D120-160 | 120 | 160 |
| HSK100A-D120-210 | 120 | 210 |
| HSK100A-D120-250 | 120 | 250 |
| HSK100A-D120-300 | 120 | 300 |

**Usage:** used for special tools; taper and flange are hardened and grinded, soft blank side for later processing. Other sizes can be made by request.

## Test Arbor
## 主轴检测棒

A ↗
≤0.002

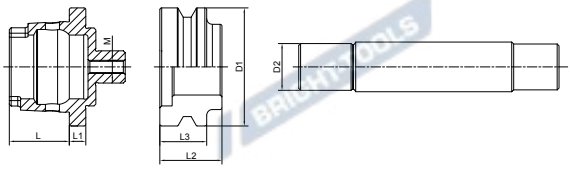





| Size | D | L |
|---|---|---|
| HSK50A-32-200 | 32 | 200 |
| HSK63A-40-300 | 40 | 300 |
| HSK80A-50-300 | 50 | 300 |
| HSK100A-50-300 | 50 | 300 |

## Alignment Tool for ATC Arm
## 调整机械手用组合模具



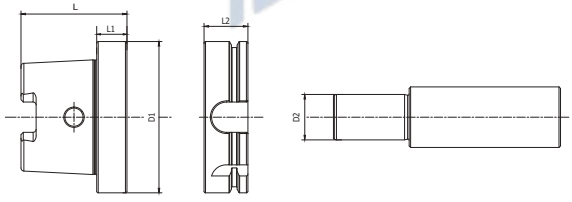



| Size | D1 | D2 | L | L1 | L2 | L3 | M |
|---|---|---|---|---|---|---|---|
| HSK50A-ATC-25D | 50 | 25 | 25 | 8 | 22 | 18 | M6 |
| HSK63A-ATC-30D | 63 | 30 | 32 | 8 | 30 | 18 | M8 |
| HSK80A-ATC-35D | 80 | 35 | 40 | 8 | 36 | 18 | M10 |
| HSK100A-ATC-40D | 100 | 40 | 50 | 10 | 45 | 19 | M10 |



## Alignment Tool for ATC Arm
## 调整机械手用组合模具






| Size | D1 | D2 | L | L1 | L2 |
|---|---|---|---|---|---|
| HSK63A-ATC-20D | 63 | 20 | 52 | 20 | 26 |
| HSK100A-ATC-30D | 100 | 30 | 70 | 20 | 29 |

**Usage:**
1) Put the Taper to the machine Spindle
2) Install flange to the ATC arm
3) Insert Pin into the flange
4) Adjust ATC arm and make sure the pin front part into the flange completely

BRIGHT-TOOLS

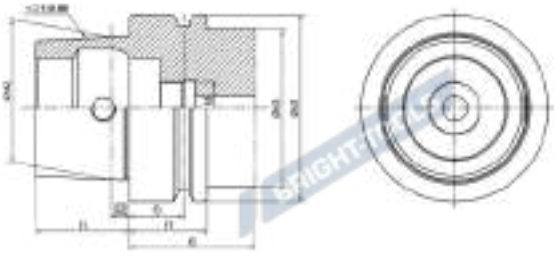
# HSK-E

## TOOL HOLDERS

BRIGHT-TOOLS

# HSK-E Taper Standard
# HSK-E 锥柄标准





| Size | d1 | d2 | d3 | l1 | l2 | f1 | f2 | f3 |
|---|---|---|---|---|---|---|---|---|
| HSK20E | 20 | 15.203 | 16 | 10 | 2 | 8 | 16 | 3.5 |
| HSK25E | 25 | 19.006 | 20 | 13 | 2.5 | 10 | 20 | 4.5 |
| HSK32E | 32 | 24.007 | 26 | 16 | 3.2 | 20 | 35 | 16 |
| HSK40E | 40 | 30.007 | 34 | 20 | 4 | 20 | 35 | 16 |
| HSK50E | 50 | 38.009 | 42 | 25 | 5 | 26 | 42 | 18 |
| HSK63E | 63 | 48.010 | 53 | 32 | 6.3 | 26 | 42 | 18 |

**Taper standard:** DIN 69893; ISO 12164
**Material:** Alloyed case hardened steel
**Surface Treatment:** Blackening and Bright
**Taper tolerance:** ＜AT3
**Hardness:** HRC 56-60
**Carbon depth:** 0.8±0.2mm
**Surface Roughness:** Ra＜0.2μm
**Balancing:** G6.3/15000; G2.5/25000

# HSK-E TOOLING SYSTEM
# HSK-E 工具系统目录

ER Collet Chuck.....G.39
ER 弹簧夹头刀柄

Face Mill Holder.....G.41
面铣刀柄

End Mill Holder.....G.42
侧固刀柄

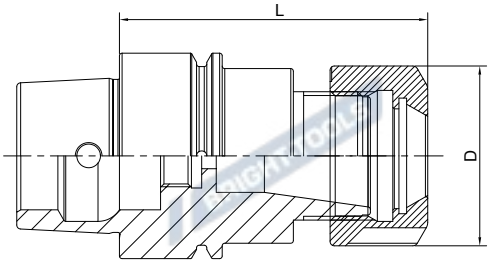
Test Arbor.....G.43
主轴检测棒



## ER Collet Chuck
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ ≤0.003 | RPM G2.5/25000 | AD |
|---|---|---|---|



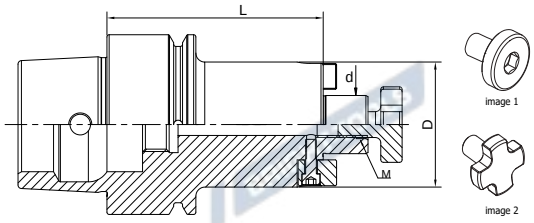



| Size | D | L | Capacity |
|---|---|---|---|
| HSK32E-ER11M-60 | 16 | 60 | 1-7 |
| HSK32E-ER16M-60 | 22 | 60 | 1-10 |
| HSK32E-ER20M-60 | 28 | 60 | 1-13 |
| HSK32E-ER16A-60 | 28 | 60 | 1-10 |
| HSK32E-ER20A-60 | 34 | 60 | 1-13 |
| | | | |
| HSK40E-ER16A-60 | 28 | 60 | 1-10 |
| HSK40E-ER20A-60 | 34 | 60 | 1-13 |
| HSK40E-ER25-60 | 42 | 60 | 2-16 |
| HSK40E-ER32-70 | 50 | 70 | 2-20 |
| | | | |
| HSK50E-ER16A-80 | 28 | 80 | 1-10 |
| HSK50E-ER25-80 | 42 | 80 | 2-16 |
| HSK50E-ER32-85 | 50 | 85 | 2-20 |
| HSK50E-ER40-100 | 63 | 100 | 3-26 |
| | | | |
| HSK63E-ER16A-75 | 28 | 75 | 1-10 |
| HSK63E-ER25-80 | 42 | 80 | 2-16 |
| HSK63E-ER32-90 | 50 | 90 | 2-20 |
| HSK63E-ER40-120 | 63 | 120 | 3-26 |

## Face Mill Holder
## 面铣刀柄

| DIN6499 | A ↗ | RPM | AD |
|---|---|---|---|
| | ≤0.005 | G2.5/25000 | |





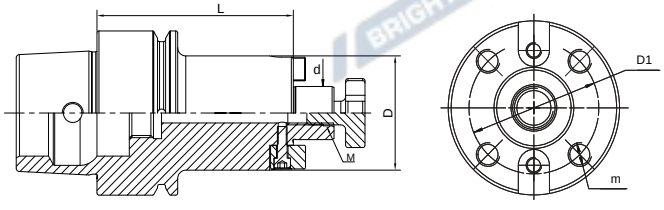

| Size | d | D | L |
|---|---|---|---|
| HSK32E-FMB16-50 | 16 | 38 | 50 |
| | | | |
| HSK40E-FMB16-50 | 16 | 38 | 50 |
| HSK40E-FMB22-50 | 22 | 48 | 50 |
| HSK40E-FMB27-55 | 27 | 58 | 55 |
| | | | |
| HSK50E-FMB16-50 | 16 | 38 | 50 |
| HSK50E-FMB22-60 | 22 | 48 | 60 |
| HSK50E-FMB27-60 | 27 | 58 | 60 |
| HSK50E-FMB32-60 | 32 | 78 | 60 |
| | | | |
| HSK63E-FMB16-50 | 16 | 38 | 50 |
| HSK63E-FMB22-60 | 22 | 48 | 60 |
| HSK63E-FMB27-60 | 27 | 58 | 60 |
| HSK63E-FMB32-60 | 32 | 78 | 60 |

Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国市场面铣刀柄标配圆头螺钉 ( 图 1)，其他国家标配十字花螺钉 ( 图 2).

## Face Mill Holder
## 面铣刀柄

| DIN6499 | A ↗ | RPM | AD |
|---|---|---|---|
| | ≤0.005 | G2.5/25000 | |





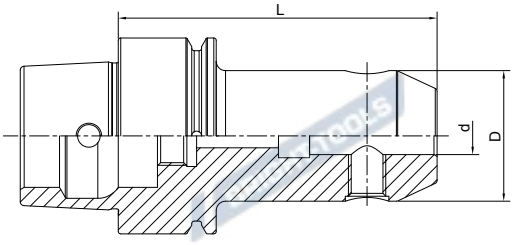

| Size | d | D | D1 | L | M | m |
|---|---|---|---|---|---|---|
| HSK63E-FMB40-60 | 40 | 88 | 66.7 | 60 | M20 | M12 |

FMB40 tool holder is with one retaining screw (image 2) . but it is with one universal screw (image 1) in China.
FMB40 刀柄中国市场面铣刀柄标配圆头螺钉 ( 图 1)，其他国家标配十字花螺钉 ( 图 2).

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ ≤0.005 | RPM G2.5/25000 | AD |
|---|---|---|---|



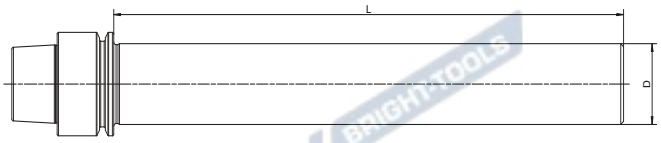



| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| HSK32E-SLA06-60 | 6 | 25 | 60 | M6 | 1 |
| HSK32E-SLA08-60 | 8 | 28 | 60 | M8 | 1 |
| HSK32E-SLA10-65 | 10 | 35 | 65 | M10 | 1 |
| | | | | | |
| HSK40E-SLA06-60 | 6 | 25 | 60 | M6 | 1 |
| HSK40E-SLA08-60 | 8 | 28 | 60 | M8 | 1 |
| HSK40E-SLA10-60 | 10 | 35 | 60 | M10 | 1 |
| HSK40E-SLA12-70 | 12 | 42 | 70 | M12 | 1 |
| HSK40E-SLA14-75 | 14 | 44 | 75 | M12 | 1 |
| HSK40E-SLA16-75 | 16 | 48 | 75 | M14 | 1 |
| HSK40E-SLA20-75 | 20 | 52 | 75 | M16 | 1 |
| | | | | | |
| HSK50E-SLA06-65 | 6 | 25 | 65 | M6 | 1 |
| HSK50E-SLA08-65 | 8 | 28 | 65 | M8 | 1 |
| HSK50E-SLA10-65 | 10 | 35 | 65 | M10 | 1 |
| HSK50E-SLA12-80 | 12 | 42 | 80 | M12 | 1 |
| HSK50E-SLA14-80 | 14 | 44 | 80 | M12 | 1 |
| HSK50E-SLA16-80 | 16 | 48 | 80 | M14 | 1 |
| HSK50E-SLA18-80 | 18 | 50 | 80 | M14 | 1 |
| HSK50E-SLA20-80 | 20 | 52 | 80 | M16 | 1 |
| HSK50E-SLA20-100 | 20 | 52 | 100 | M16 | 1 |
| HSK50E-SLA25-102 | 25 | 65 | 102 | M18*2 | 2 |
| | | | | | |
| HSK63E-SLA06-65 | 6 | 25 | 65 | M6 | 1 |
| HSK63E-SLA08-65 | 8 | 28 | 65 | M8 | 1 |
| HSK63E-SLA10-65 | 10 | 35 | 65 | M10 | 1 |
| HSK63E-SLA12-80 | 12 | 42 | 80 | M12 | 1 |
| HSK63E-SLA14-80 | 14 | 44 | 80 | M12 | 1 |
| HSK63E-SLA16-80 | 16 | 48 | 80 | M14 | 1 |
| HSK63E-SLA18-80 | 18 | 50 | 80 | M14 | 1 |
| HSK63E-SLA20-80 | 20 | 52 | 80 | M16 | 1 |
| HSK63E-SLA25-110 | 25 | 65 | 110 | M18*2 | 2 |
| HSK63E-SLA32-110 | 32 | 72 | 110 | M20*2 | 2 |
| HSK63E-SLA40-120 | 40 | 80 | 120 | M20*2 | 2 |

## Test Arbor
## 主轴检测棒

A ↗
≤0.002






| Size | D | L |
|---|---|---|
| HSK25E-20-150 | 20 | 150 |
| HSK32E-25-180 | 25 | 180 |
| HSK40E-25-180 | 25 | 180 |
| HSK50E-32-200 | 32 | 200 |

BRIGHT-TOOLS

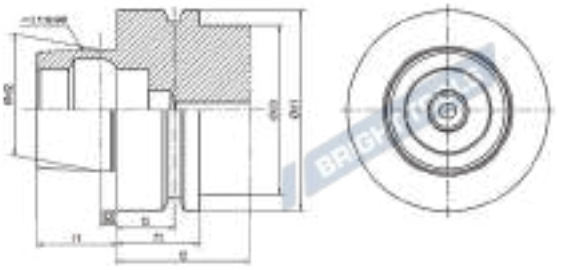
# HSK-F

## TOOL HOLDERS

BRIGHT-TOOLS

# HSK-F Taper Standard
# HSK-F 锥柄标准





| Size | d1 | d2 | d3 | l1 | l2 | f1 | f2 | f3 |
|---|---|---|---|---|---|---|---|---|
| HSK50F | 50 | 30.007 | 42 | 20 | 4 | 26 | 42 | 18 |
| HSK63F | 63 | 38.009 | 53 | 25 | 5 | 26 | 42 | 18 |
| HSK80F | 80 | 48.010 | 68 | 32 | 6.3 | 26 | 42 | 18 |

**Taper standard:** DIN 69893; ISO 12164
**Material:** Alloyed case hardened steel
**Surface Treatment:** Blackening and Bright
**Taper tolerance:** ＜AT3
**Hardness:** HRC 56-60
**Carbon depth:** 0.8±0.2mm
**Surface Roughness:** Ra＜0.2μm
**Balancing:** G6.3/15000; G2.5/25000

# HSK-F TOOLING SYSTEM
# HSK-F 工具系统目录

ER Collet Chuck.....G.48
ER 弹簧夹头刀柄

OZ Collet Chuck.....G.48
OZ 夹头刀柄

Face Mill Holder.....G.49
面铣刀柄

End Mill Holder..... G.49
侧固刀柄

Morse Taper Adapter .....G.50
带扁尾莫氏刀柄

Boring Bar Blank.....G.50
基础柄

Precision Drill Chuck Holder .....G.51
精密钻夹头刀柄

Test Arbor .....G.51
主轴检测棒



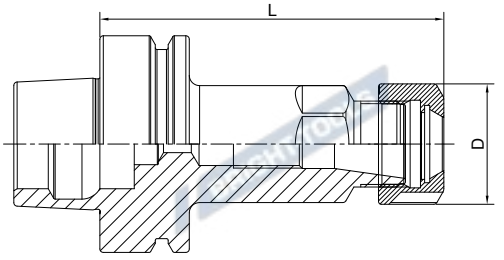




## ER Collet Chuck
## ER 弹簧夹头刀柄

| DIN6499 | A ↗ ≤0.003 | RPM G2.5/25000 | AD |
|---|---|---|---|



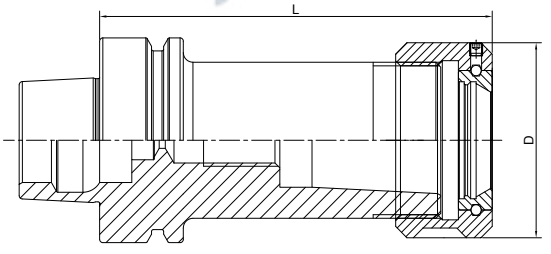



| Size | D | L | Capacity |
|---|---|---|---|
| HSK40F-ER16-60 | 28 | 60 | 1-10 |
| HSK40F-ER25-60 | 42 | 60 | 2-16 |
| | | | |
| HSK50F-ER25-70 | 42 | 70 | 2-16 |
| HSK50F-ER32-80 | 50 | 80 | 2-20 |
| HSK50F-ER40-80 | 63 | 80 | 3-26 |
| | | | |
| HSK63F-ER16-60 | 28 | 60 | 1-10 |
| HSK63F-ER25-70 | 42 | 70 | 2-16 |
| HSK63F-ER32-75 | 50 | 75 | 2-20 |
| HSK63F-ER40-80 | 63 | 80 | 3-26 |
| | | | |
| HSK63F-ER16-100 | 28 | 100 | 1-10 |
| HSK63F-ER25-100 | 42 | 100 | 2-16 |
| HSK63F-ER32-100 | 50 | 100 | 2-20 |
| HSK63F-ER40-100 | 63 | 100 | 3-26 |

## OZ Collet Chuck
## OZ 夹头刀柄

| DIN6391 | A ↗ ≤0.005 | RPM G2.5/25000 | AD |
|---|---|---|---|






| Size | D | L | Capacity |
|---|---|---|---|
| HSK63F-OZ25-90 | 60 | 90 | 3-25 |

## Face Mill Holder
## 面铣刀柄

| DIN6357 | A ↗ ≤0.005 | RPM G2.5/25000 | AD |
|---|---|---|---|



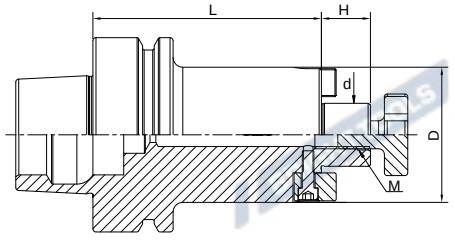




image 1


image 2

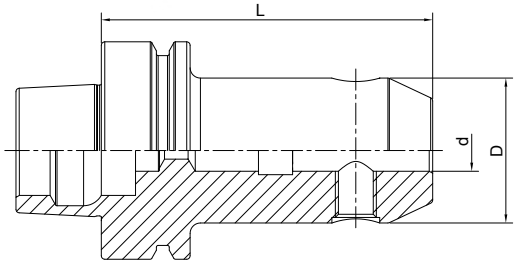
| Size | d | D | L | H | M |
|---|---|---|---|---|---|
| HSK63F-FMB16-50 | 16 | 38 | 50 | 17 | M8 |
| HSK63F-FMB22-60 | 22 | 48 | 60 | 19 | M10 |
| HSK63F-FMB27-60 | 27 | 58 | 60 | 21 | M12 |
| HSK63F-FMB32-60 | 32 | 78 | 60 | 24 | M16 |

Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国市场面铣刀柄标配圆头螺钉 ( 图 1)，其他国家标配十字花螺钉 ( 图 2).

## End Mill Holder Weldon
## 侧固刀柄

| DIN6359/1835B | A ↗ ≤0.005 | RPM G2.5/25000 | AD |
|---|---|---|---|



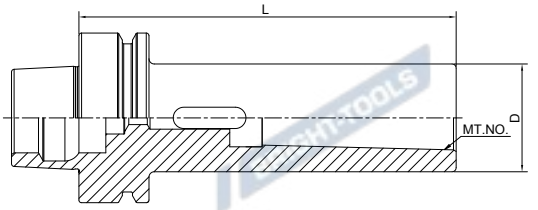



| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| HSK63F-SLA06-65 | 6 | 25 | 65 | M6 | 1 |
| HSK63F-SLA08-65 | 8 | 28 | 65 | M8 | 1 |
| HSK63F-SLA10-65 | 10 | 35 | 65 | M10 | 1 |
| HSK63F-SLA12-80 | 12 | 42 | 80 | M12 | 1 |
| HSK63F-SLA14-80 | 14 | 44 | 80 | M12 | 1 |
| HSK63F-SLA16-80 | 16 | 48 | 80 | M14 | 1 |
| HSK63F-SLA18-80 | 18 | 50 | 80 | M14 | 1 |
| HSK63F-SLA20-80 | 20 | 52 | 80 | M16 | 1 |
| HSK63F-SLA25-110 | 25 | 65 | 110 | M18*2 | 2 |
| HSK63F-SLA32-110 | 32 | 72 | 110 | M20*2 | 2 |

## Morse Taper Adapter with Tang
## 带扁尾莫氏刀柄

| DIN6383 | A ↗ | RPM |
|---|---|---|
| | ≤0.005 | G2.5/25000 |

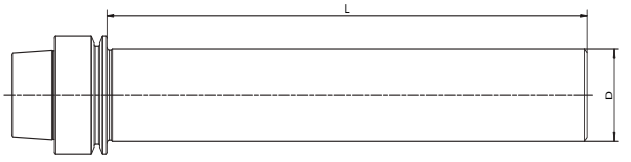





| Size | MT.NO. | D | L |
|---|---|---|---|
| HSK63F-MTA1-100 | 1 | 25 | 100 |
| HSK63F-MTA2-120 | 2 | 32 | 120 |
| HSK63F-MTA3-140 | 3 | 40 | 140 |
| HSK63F-MTA4-160 | 4 | 48 | 160 |

## Boring Bar Blank
## 基础柄





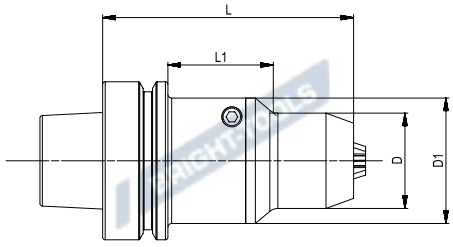

| Size | D | L |
|---|---|---|
| HSK63F-D65-L160 | 65 | 160 |
| HSK63F-D65-L250 | 65 | 250 |

Other sizes can be made by request.

## Precision Drill Chuck Holder
## 精密钻夹头刀柄

| A ↗ | RPM |
|---|---|
| ≤0.03 | G2.5/25000 |





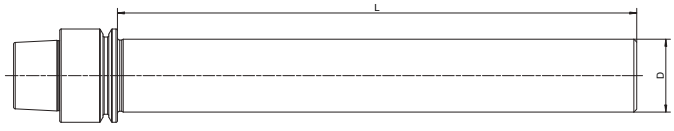

| Size | D | D1 | L | L1 | Capacity |
|---|---|---|---|---|---|
| HSK63F-CPU10-90 | 38 | 50 | 90 | 32 | 1-10 |
| HSK63F-CPU13-100 | 50 | - | 100 | - | 1-13 |
| HSK63F-CPU16-100 | 50 | - | 100 | - | 1-16 |



## Test Arbor
## 主轴检测棒

| A ↗ |
|---|
| ≤0.002 |






| Size | D | L |
|---|---|---|
| HSK63F-40-300 | 40 | 300 |

BRIGHT-TOOLS

# HSK-T

## TOOL HOLDERS

BRIGHT-TOOLS

# HSK63T - D C L N

刀柄尺寸
Taper Size

| |
|---|
| HSK63T |
| HSK100T |

可转位刀片夹紧方式
Insert Clamping Way

| | |
|---|---|
| C | 从上面压紧<br>Clamp |
| D | 从上面穿过孔压紧<br>Clamp/inserts with center hole |
| M | 从上面用孔压紧<br>Pin/Clamp |
| P | 杠杆压紧<br>Pin/Wedge or Lever |
| S | 通过孔拧紧<br>Screw |

可转位刀片形状
Insert Shape

| | |
|---|---|
| C | 80° |
| D | 55° |
| S | 90° |
| V | 35° |
| W | 80° |

刀杆偏角
Holder Angle

| | |
|---|---|
| A | 90° |
| B | 75° |
| D | 45° |
| G | 90° |
| H | 107.5° |
| J | 93° |
| L | 95° |
| M | 50° |
| N | 62.5° |
| P | 117.5° |
| Q | 107.5° |
| R | 75° |
| S | 45° |
| U | 93° |
| V | 72.5° |

可转位刀片后角
Insert Clearance Angle

| | |
|---|---|
| B | 5° |
| C | 7° |
| N | 0° |

# HSK 63T -

刀柄款式
Taper

| |
|---|
| HSK |

刀柄尺寸
Taper Size

| |
|---|
| HSK63T |
| HSK100T |

R - 45 070 - 16

- R: 切削方向 Direction
- 45: f (mm)
- 070: L (mm)
- 16: 刀片尺寸 Insert Size

| | |
|---|---|
| R | 右 Right |
| L | 左 Left |
| N | 左右切 Both |

E2 06 - 055

- E2: 用于圆柱柄 for Cylindrical Shank Tools
- 06: d1 (mm)
- 055: l1 (mm)

SB H 2020 R

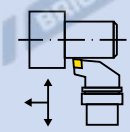
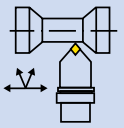
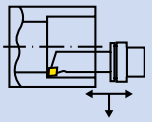
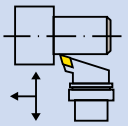
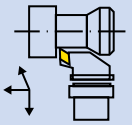
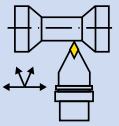
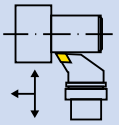
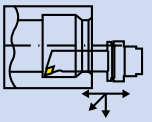
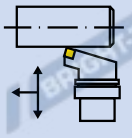
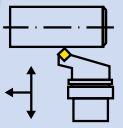
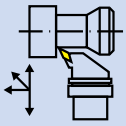
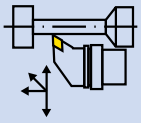
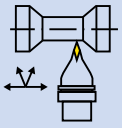
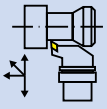
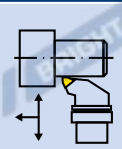
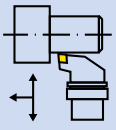
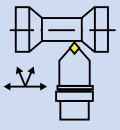
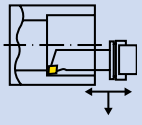
- SB: 用于矩形柄 for Rectangular Tools
- H: 切削方向 Direction
- 2020: 车刀杆尺寸 Turning Tool Holder Size
- R: 切削方向 Direction

| | |
|---|---|
| H | 00 轴向 |
| N | 45 斜向 |
| T | 三面 |
| V | 90 径向 |

| | |
|---|---|
| 2020 | 20×20 |
| 2525 | 25×25 |

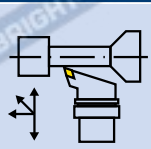
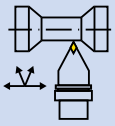
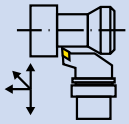
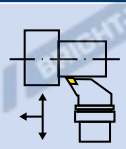
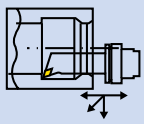
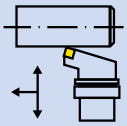
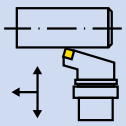
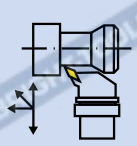
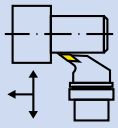
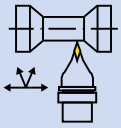
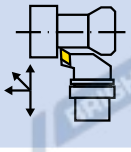
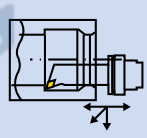
| | |
|---|---|
| R | 右 Right |
| L | 左 Left |
| N | 左右切 Both |

# 车刀刀体 HSK-T
## 车刀刀体 HSK-T 产品总览

| 刀片形状 Insert Shape | DCLN PCLN 95° / 80° | DCMNN PCMNN 50° / 80°/ 50° | DCLN PCLN 长型 95°/ 80° | | |
|---|---|---|---|---|---|
| C |  |  |  | | |
| 刀片形状 Insert Shape | DDHN PDHN 55° /93° | DDJN PDJN 55° /93° | DDNNN PDNNN 62.5° / 55°/ 62.5° | DDUN PDUN 93° /55° | DDQN PDQN 长型 107.5° /55° |
| D |  |  |  |  |  |
| 刀片形状 Insert Shape | DSBN PSBN 90° / 75° | DSSN PSSN 45° / 90° | | | |
| S |  |  | | | |
| 刀片形状 Insert Shape | DVPNR DVPNL 117.5° /35° | DVUNR DVUNL 93° / 35° | DVVNN 72.5° / 35° / 72.5° | DVJNR DVJNL 72.5° / 35° / 72.5° | |
| V |  |  |  |  | |
| 刀片形状 Insert Shape | DWLN PWLN 95° / 80° | | | | |
| W |  | | | | |
| 刀片形状 Insert Shape | SCLCR SCLCL 95° / 80° | SCMCN 50° / 80° / 50° | SCLC 长型 95° / 80° | | |
| C |  |  |  | | |

HSK

## 车刀刀体 HSK-T
## 车刀刀体 HSK-T 产品总览

| 刀片形状 Insert Shape | SDHCR SDHCL 107.5° / 55° | SDNCN 62.5°/55°/62.5° | SDJCR SDJCL 93°/ 55° | SDUCR SDUCL 93°/ 55° | SDQC 长型 107.5°/ 55° |
|---|---|---|---|---|---|
| D |  |  |  |  |  |
| 刀片形状 Insert Shape | SSBCR SSBCL 75° / 90° | SSSCR SSSCL 45° /90° | | | |
| S |  |  | | | |
| 刀片形状 Insert Shape | SVPB SVPC 117.5° / 35° | SVUB SVUC 93° / 35° | SVVB SVVC 72.5° / 35° / 72.5° | SVJB SVJC 93° / 35° | SVQC 长型 107.5°/ 55° |
| V |  |  |  |  |  |

HSK

# HSK-T TOOLING SYSTEM
# HSK-T 工具系统

Boring Bar Holder .....G.60
复合刀具 , 镗孔刀夹
Facing .....G.61
复合车刀座 , 端面加工
External and Facing.....G.61
复合车刀座 , 外径端面加工
External and Cut-ofG.....G.62
复合车刀座 , 外径切断加工
External and Facing.....G.62
复合车刀座 , 外径端面加工

Turning Tool, Negative.....G.63
车刀刀体，负前角刀片
DCLNR | DCLNL 95°/80°.....G.63
PCLNR | PCLNL 95° /80° .....G.63
DCMNN 50°/80°/50°.....G.64
PCMNN 50°/80°/50°.....G.64
DDJNR | DDJNL 55°/93°.....G.65
PDJNR | PDJNL 55°/93°.....G.65
DDNNN 62.5°/55°/62.5°.....G.66
PDNNN 62.5°/55°/62.5°.....G.66
DDUNR | DDUNL 93°/55°.....G.66
PDUNR | PDUNL 93°/55°.....G.67
DSBNR | DSBNL 90°/75°.....G.67
PSBNR | PSBNL 90°/75°.....G.67
DSSNR | DSSNL 45°/90°.....G.68
PSSNR | PSSNL 45°/90°.....G.68
DVPNR | DVPNL 117.5°/35°.....G.68
DVUNR | DVUNL 93°/35°.....G.69
DVVNN 72.5°/35°/72.5°.....G.69
DVJNR | DVJNL 93°/35°.....G.69
DWLNR | DWLNL 95°/80°.....G.70
PWLNR | PWLNL 95°/80°.....G.70

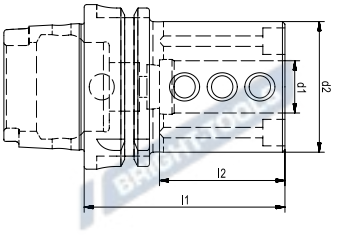
Turning Tool, Positive.....G.70
车刀刀体，正前角刀片
SCLCR | SCLCL 95°/80°.....G.70
SCMCN 50°/80°/50°.....G.71
SDQCR | SDQCL 107.5°/55°.....G.71
SDNCN 62.5°/55°/62.5°.....G.71
SDJCR | SDJCL 93°/55°.....G.72
SDUCR | SDUCL 93°/55°.....G.72
SSBCR | SSBCL 75°/90°.....G.72
SSSCR | SSSCL 45°/90°.....G.73
SVPBR | SVPBL | SVPCR | SVPCL 117.5°/35°.G.73
SVUBR | SVUBL | SVUCR | SVUCL 93°/35°..G.74
SVVBN | SVVCN 72.5°/35°/72.5°.....G.74

长型 DCLNR | DCLNL 95°/80°.....G.75
长型 PCLNR | PCLNL 95° /80° .....G.76
长型 PDQNR | PDQNL 107.5°/55°.....G.76
长型 DDQNR | DDQNL 107.5°/55°.....G.77
长型 SCLCR | SCLCL 95°/80°.....G.77
长型 SVQCR | SVQCL 107.5°/55°.....G.78



# HSK·T Boring Bar Holder
## 复合刀具，镗孔刀夹

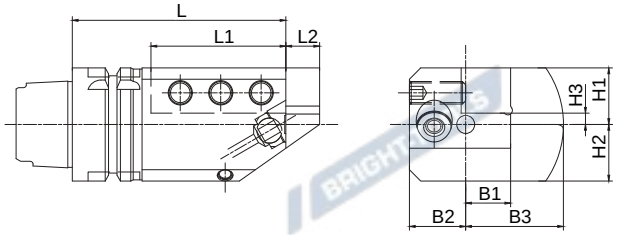





| Size | d1 | d2 | l1 | l2 |
|---|---|---|---|---|
| HSK40TAX-E2-08 | 8 | 32 | 60 | 37 |
| HSK40TAX-E2-10 | 10 | 34 | 60 | 37 |
| HSK40TAX-E2-12 | 12 | 36 | 65 | 40 |
| HSK40TAX-E2-16 | 16 | 40 | 70 | 42 |
| HSK40TAX-E2-20 | 20 | 45 | 70 | 42 |
| | | | | |
| HSK50TAX-E2-10 | 10 | 38 | 75 | 45 |
| HSK50TAX-E2-12 | 12 | 40 | 75 | 45 |
| HSK50TAX-E2-16 | 16 | 45 | 80 | 50 |
| HSK50TAX-E2-20 | 20 | 50 | 80 | 47 |
| HSK50TAX-E2-25 | 25 | 55 | 85 | 50 |
| | | | | |
| HSK63TAX-E2-06 | 6 | 30 | 65 | 40 |
| HSK63TAX-E2-08 | 8 | 32 | 70 | 40 |
| HSK63TAX-E2-10 | 10 | 38 | 75 | 45 |
| HSK63TAX-E2-12 | 12 | 40 | 75 | 45 |
| HSK63TAX-E2-16 | 16 | 45 | 80 | 50 |
| HSK63TAX-E2-20 | 20 | 50 | 80 | 50 |
| HSK63TAX-E2-25 | 25 | 55 | 85 | 52 |
| HSK63TAX-E2-32 | 32 | 72 | 108 | 60 |
| HSK63TAX-E2-40 | 40 | 80 | 120 | 72 |
| | | | | |
| HSK100TAX-E2-16 | 16 | 45 | 85 | 48 |
| HSK100TAX-E2-20 | 20 | 50 | 85 | 48 |
| HSK100TAX-E2-25 | 25 | 55 | 85 | 48 |
| HSK100TAX-E2-32 | 32 | 72 | 95 | 58 |
| HSK100TAX-E2-40 | 40 | 80 | 110 | 73 |
| HSK100TAX-E2-50 | 50 | 90 | 120 | 82 |

## HSK·T Turning Tools for Facing
## 复合车刀座，端面加工

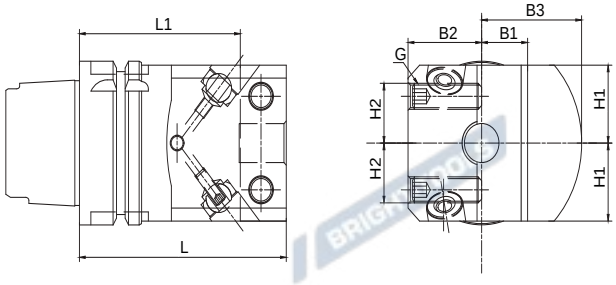





| Size | L | L1 | L2 | B1 | B2 | B3 | H1 | H2 | H3 | G |
|---|---|---|---|---|---|---|---|---|---|---|
| HSK50T-SBV2020R-105 | 105 | 60 | 15 | 20 | 25 | 43.5 | 25 | 25 | 5 | M10 |
| HSK50T-SBV2020L-105 | 105 | 60 | 15 | 20 | 25 | 43.5 | 25 | 25 | 5 | M10 |
| | | | | | | | | | | |
| HSK63T-SBV2020R-105 | 105 | 60 | 15 | 20 | 32 | 43.5 | 33 | 32 | 13 | M10 |
| HSK63T-SBV2020L-105 | 105 | 60 | 15 | 20 | 32 | 43.5 | 33 | 32 | 13 | M10 |
| HSK63T-SBV2525R-115 | 115 | 70 | 20 | 25 | 32 | 45 | 30 | 30 | 5 | M12 |
| HSK63T-SBV2525L-115 | 115 | 70 | 20 | 25 | 32 | 45 | 30 | 30 | 5 | M12 |
| | | | | | | | | | | |
| HSK100T-SBV2525R-160 | 160 | 110 | 20 | 25 | 37 | 59 | 48 | 44 | 23 | M12 |
| HSK100T-SBV2525L-160 | 160 | 110 | 20 | 25 | 37 | 59 | 48 | 44 | 23 | M12 |
| HSK100T-SBV3232R-160 | 160 | 110 | 20 | 32 | 40 | 68.5 | 45 | 44 | 15 | M14 |
| HSK100T-SBV3232L-160 | 160 | 110 | 20 | 32 | 40 | 68.5 | 45 | 44 | 15 | M14 |

## HSK·T Turning Tools for External and Facing
## 复合车刀座，外径端面加工

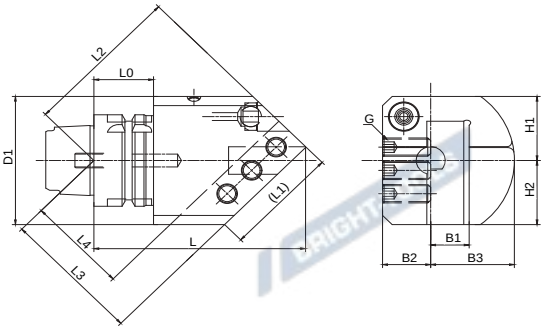





| Size | L | L1 | B1 | B2 | B3 | H1 | H2 | G |
|---|---|---|---|---|---|---|---|---|
| HSK50T-SBH2020N-100 | 100 | 80 | 20 | 25 | 43.5 | 27.5 | - | M10 |
| HSK50T-SBH2020N-130 | 130 | 110 | 20 | 25 | 43.5 | 27.5 | - | M10 |
| HSK63T-SBH2020N-100 | 100 | 80 | 20 | 32 | 43.5 | 30 | - | M10 |
| HSK63T-SBH2525N-90 | 90 | 75 | 25 | 32 | 53 | 40.5 | 29.5 | M12 |
| HSK63T-SBH2525N-120 | 120 | 105 | 25 | 32 | 53 | 40.5 | 29.5 | M12 |
| | | | | | | | | |
| HSK100T-SBH2525N-115 | 115 | 90 | 25 | 32 | 59 | 48 | 37 | M12 |
| HSK100T-SBH2525N-160 | 160 | 135 | 25 | 32 | 59 | 48 | 37 | M12 |
| HSK100T-SBH3232N-115 | 115 | 85 | 32 | 40 | 68.5 | 57 | 43 | M14 |

## HSK·T Turning Tools for External and Cut-off
## 复合车刀座，外径切断加工

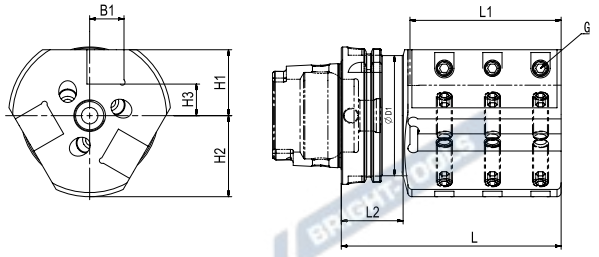





| Size | L | L1 | L2 | L3 | L4 | D1 | B1 | B2 | B3 | H1 | H2 | G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK50T-SBN2020R-120 | 120 | 60 | 83.1 | 72.8 | 52.8 | - | 20 | 25 | 43.5 | 35 | 35 | M10 |
| HSK50T-SBN2020L-120 | 120 | 60 | 83.1 | 72.8 | 52.8 | - | 20 | 25 | 43.5 | 35 | 35 | M10 |
| | | | | | | | | | | | | |
| HSK63T-SBN2020R-120 | 120 | 60 | 83.1 | 72.8 | 52.8 | - | 20 | 32 | 43.5 | 35 | 35 | M10 |
| HSK63T-SBN2020L-120 | 120 | 60 | 83.1 | 72.8 | 52.8 | - | 20 | 32 | 43.5 | 35 | 35 | M10 |
| HSK63T-SBN2525R-120 | 120 | 70 | 85.2 | 70.8 | 45.8 | 90 | 25 | 32 | 53 | 39 | 39 | M12 |
| HSK63T-SBN2525L-120 | 120 | 70 | 85.2 | 70.8 | 45.8 | 90 | 25 | 32 | 53 | 39 | 39 | M12 |
| | | | | | | | | | | | | |
| HSK100T-SBN2525R-145 | 145 | 70 | 102.9 | 88.5 | 63.5 | - | 25 | 32 | 59 | 43 | 43 | M12 |
| HSK100T-SBN2525L-145 | 145 | 70 | 102.9 | 88.5 | 63.5 | - | 25 | 32 | 59 | 43 | 43 | M12 |
| HSK100T-SBN3232R-150 | 150 | 85 | 109.9 | 89 | 59 | - | 32 | 37 | 68.5 | 48 | 43 | M14 |
| HSK100T-SBN3232L-150 | 150 | 85 | 109.9 | 89 | 59 | - | 32 | 37 | 68.5 | 48 | 43 | M14 |

## HSK·T Turning Tools for External and Facing
## 复合车刀座，外径端面加工

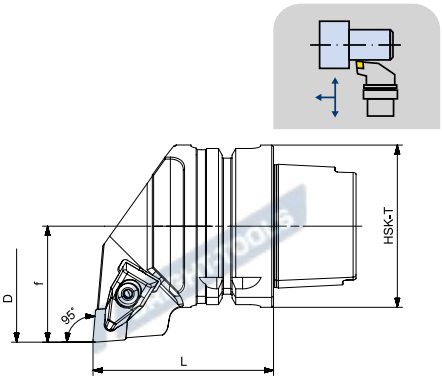





| Size | L | L1 | L2 | D1 | B1 | H1 | H2 | H3 | G |
|---|---|---|---|---|---|---|---|---|---|
| HSK50T-SBT2020R-105 | 105 | 60 | 42 | 41.5 | 20 | 35 | 43.5 | 15 | M10 |
| HSK50T-SBT2020L-105 | 105 | 60 | 42 | 41.5 | 20 | 35 | 43.5 | 15 | M10 |
| | | | | | | | | | |
| HSK63T-SBT2020R-105 | 105 | 60 | 42 | 52.5 | 20 | 35 | 43.5 | 15 | M10 |
| HSK63T-SBT2020L-105 | 105 | 60 | 42 | 52.5 | 20 | 35 | 43.5 | 15 | M10 |
| HSK63T-SBT2525R-125 | 125 | 70 | 42 | 52.5 | 25 | 43 | 53 | 18 | M12 |
| HSK63T-SBT2525L-125 | 125 | 70 | 42 | 52.5 | 25 | 43 | 53 | 18 | M12 |
| | | | | | | | | | |
| HSK100T-SBT2525R-160 | 160 | 110 | 45 | 87.5 | 25 | 48 | 59 | 23 | M12 |
| HSK100T-SBT2525L-160 | 160 | 110 | 45 | 87.5 | 25 | 48 | 59 | 23 | M12 |

## DCLNR | DCLNL 95°/80°

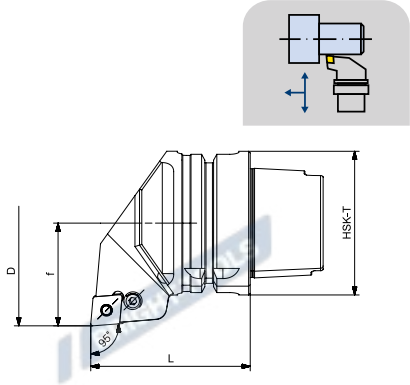





| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-DCLNR-45070-12 | 45 | 80 | 70 | R | CN..1204.. |
| HSK63T-DCLNL-45070-12 | 45 | 80 | 70 | L | CN..1204.. |
| HSK63T-DCLNR-45070-16 | 45 | 80 | 70 | R | CN..1606.. |
| HSK63T-DCLNL-45070-16 | 45 | 80 | 70 | L | CN..1606.. |
| HSK100T-DCLNR-63100-12 | 63 | 120 | 100 | R | CN..1204.. |
| HSK100T-DCLNL-63100-12 | 63 | 120 | 100 | L | CN..1204.. |
| HSK100T-DCLNR-63100-16 | 63 | 120 | 100 | R | CN..1606.. |
| HSK100T-DCLNL-63100-16 | 63 | 120 | 100 | L | CN..1606.. |

## PCLNR | PCLNL 95°/80°

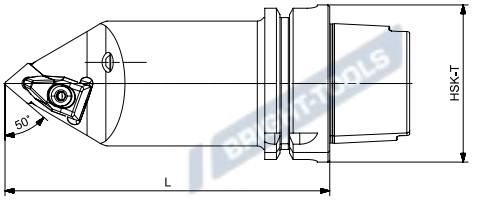





| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-PCLNR-45070-12 | 45 | 80 | 70 | R | CN..1204.. |
| HSK63T-PCLNL-45070-12 | 45 | 80 | 70 | L | CN..1204.. |
| HSK63T-PCLNR-45070-16 | 45 | 80 | 70 | R | CN..1606.. |
| HSK63T-PCLNL-45070-16 | 45 | 80 | 70 | L | CN..1606.. |
| HSK100T-PCLNR-63100-12 | 63 | 120 | 100 | R | CN..1204.. |
| HSK100T-PCLNL-63100-12 | 63 | 120 | 100 | L | CN..1204.. |
| HSK100T-PCLNR-63100-16 | 63 | 120 | 100 | R | CN..1606.. |
| HSK100T-PCLNL-63100-16 | 63 | 120 | 100 | L | CN..1606.. |
| HSK100T-PCLNR-63100-19 | 63 | 120 | 100 | R | CN..1906.. |
| HSK100T-PCLNL-63100-19 | 63 | 120 | 100 | L | CN..1906.. |

## DCMNN 50°/80°/50°

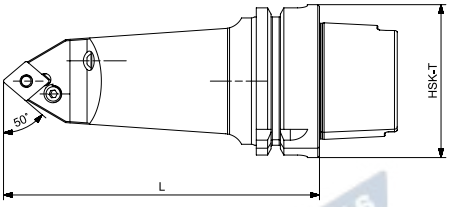





| Size | L | Direction | Inserts N. |
|---|---|---|---|
| HSK63T-DCMNN-00100-12 | 100 | N | CN..1204.. |
| HSK63T-DCMNN-00130-12 | 130 | N | CN..1204.. |
| HSK63T-DCMNN-00100-16 | 100 | N | CN..1606.. |
| HSK63T-DCMNN-00130-16 | 130 | N | CN..1606.. |
| HSK100T-DCMNN-00125-12 | 125 | N | CN..1204.. |
| HSK100T-DCMNN-00125-16 | 125 | N | CN..1606.. |

## PCMNN 50°/80°/50°

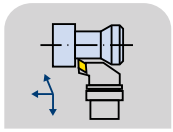


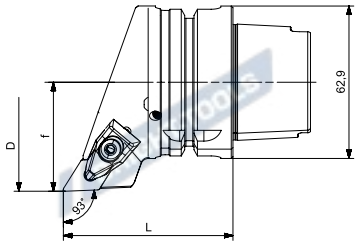



| Size | L | Direction | Inserts N. |
|---|---|---|---|
| HSK63T-PCMNN-00100-12 | 100 | N | CN..1204.. |
| HSK63T-PCMNN-00130-12 | 130 | N | CN..1204.. |
| HSK63T-PCMNN-00100-16 | 100 | N | CN..1606.. |
| HSK63T-PCMNN-00130-16 | 130 | N | CN..1606.. |
| HSK100T-PCMNN-00125-12 | 125 | N | CN..1204.. |
| HSK100T-PCMNN-00125-16 | 125 | N | CN..1606.. |

## DDJNR | DDJNL 55°/93°





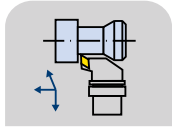


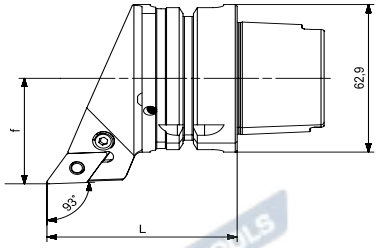

| Size | f | L | Direction | Inserts N. |
|---|---|---|---|---|
| HSK63T-DDJNR-45075-15 | 45 | 75 | R | DN..1506.. |
| HSK63T-DDJNL-45075-15 | 45 | 75 | L | DN..1506.. |
| HSK100T-DDJNR-63100-15 | 63 | 100 | R | DN..1506.. |
| HSK100T-DDJNL-63100-15 | 63 | 100 | L | DN..1506.. |



## PDJNR | PDJNL 55°/93°



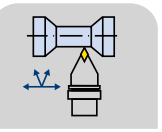


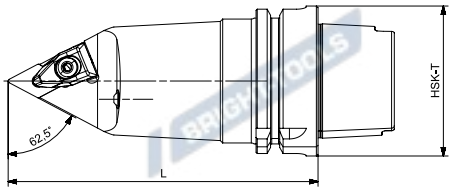



| Size | f | L | Direction | Inserts N. |
|---|---|---|---|---|
| HSK63T-PDJNR-45070-15 | 45 | 70 | R | DN..1506.. |
| HSK63T-PDJNL-45070-15 | 45 | 70 | L | DN..1506.. |
| HSK100T-PDJNR-63100-15 | 63 | 100 | R | DN..1506.. |
| HSK100T-PDJNL-63100-15 | 63 | 100 | L | DN..1506.. |

## DDNNN 62.5°/55°/62.5°





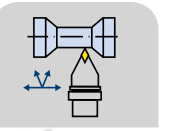


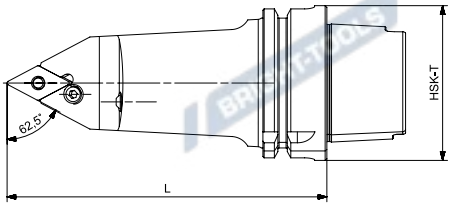

| Size | L | Direction | Inserts N. |
|---|---|---|---|
| HSK63T-DDNNN-00100-15 | 100 | N | DN..1506.. |
| HSK63T-DDNNN-00130-15 | 130 | N | DN..1506.. |
| HSK100T-DDNNN-00125-15 | 125 | N | DN..1506.. |



## PDNNN 62.5°/55°/62.5°



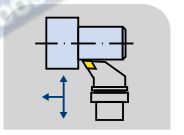


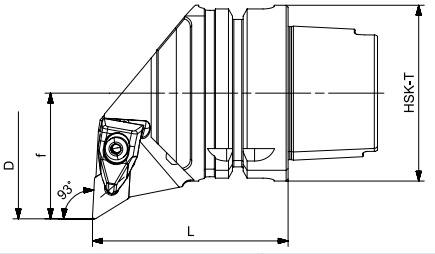



| Size | L | Direction | Inserts N. |
|---|---|---|---|
| HSK63T-PDNNN-00100-15 | 100 | N | DN..1506.. |
| HSK63T-PDNNN-00130-15 | 130 | N | DN..1506.. |
| HSK100T-PDNNN-00125-15 | 125 | N | DN..1506.. |

## DDUNR | DDUNL 93°/55°



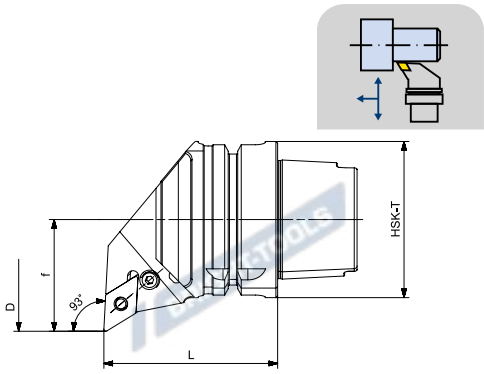





| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-DDUNR-45070-15 | 45 | 80 | 70 | R | DN..1506.. |
| HSK63T-DDUNL-45070-15 | 45 | 80 | 70 | L | DN..1506.. |
| HSK100T-DDUNR-63100-15 | 63 | 120 | 100 | R | DN..1506.. |
| HSK100T-DDUNL-63100-15 | 63 | 120 | 100 | L | DN..1506.. |

## PDUNR | PDUNL 93°/55°

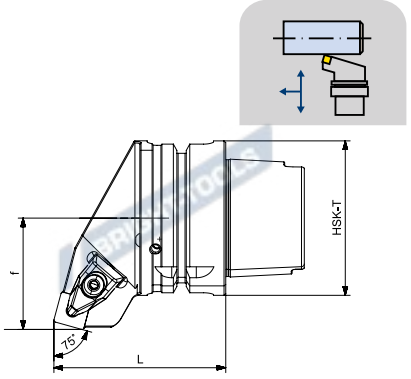





| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-PDUNR-45070-15 | 45 | 80 | 70 | R | DN..1506.. |
| HSK63T-PDUNL-45070-15 | 45 | 80 | 70 | L | DN..1506.. |
| HSK100T-PDUNR-63100-15 | 63 | 120 | 100 | R | DN..1506.. |
| HSK100T-PDUNL-63100-15 | 63 | 120 | 100 | L | DN..1506.. |

## DSBNR | DSBNL 90°/75°

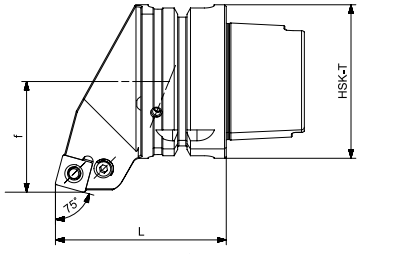





| Size | f | L | Direction | Inserts N. |
|---|---|---|---|---|
| HSK63T-DSBNR-45070-12 | 45 | 70 | R | SN..1204.. |
| HSK63T-DSBNL-45070-12 | 45 | 70 | L | SN..1204.. |
| HSK100T-DSBNR-63100-12 | 63 | 100 | R | SN..1204.. |
| HSK100T-DSBNL-63100-12 | 63 | 100 | L | SN..1204.. |

## PSBNR | PSBNL 90°/75°

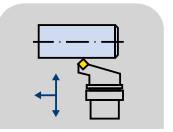


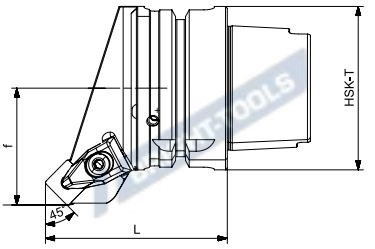



| Size | f | L | Direction | Inserts N. |
|---|---|---|---|---|
| HSK63T-PSBNR-45070-12 | 45 | 70 | R | SN..1204.. |
| HSK63T-PSBNL-45070-12 | 45 | 70 | L | SN..1204.. |
| HSK100T-PSBNR-63100-12 | 63 | 100 | R | SN..1204.. |
| HSK100T-PSBNL-63100-12 | 63 | 100 | L | SN..1204.. |

## DSSNR | DSSNL 45°/90°



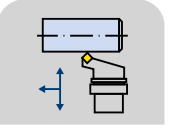


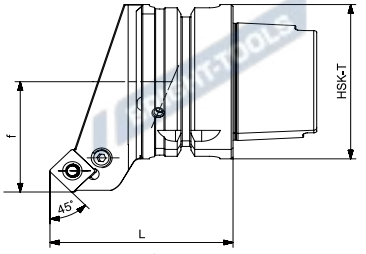



| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-DSSNR-45070-12 | 45 | - | 70 | R | SN..1204.. |
| HSK63T-DSSNL-45070-12 | 45 | - | 70 | L | SN..1204.. |
| HSK100T-DSSNR-63100-12 | 63 | - | 100 | R | SN..1204.. |
| HSK100T-DSSNL-63100-12 | 63 | - | 100 | L | SN..1204.. |

## PSSNR | PSSNL 45°/90°



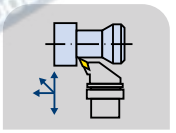


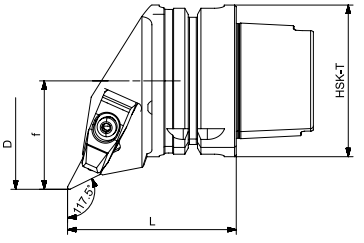



| Size | f | L | Direction | Inserts N. |
|---|---|---|---|---|
| HSK63T-PSSNR-45070-12 | 45 | 70 | R | SN..1204.. |
| HSK63T-PSSNL-45070-12 | 45 | 70 | L | SN..1204.. |
| HSK100T-PSSNR-63100-12 | 63 | 100 | R | SN..1204.. |
| HSK100T-PSSNL-63100-12 | 63 | 100 | L | SN..1204.. |

## DVPNR | DVPNL 117.5°/35°



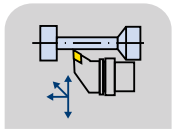


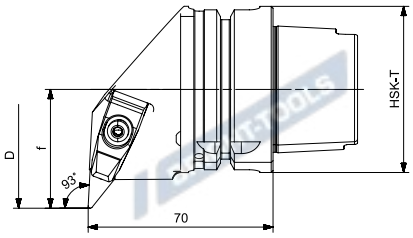



| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-DVPNR-45070-16 | 45 | 80 | 70 | R | VN..1604.. |
| HSK63T-DVPNL-45070-16 | 45 | 80 | 70 | L | VN..1604.. |
| HSK100T-DVPNR-63100-16 | 63 | 120 | 100 | R | VN..1604.. |
| HSK100T-DVPNL-63100-16 | 63 | 120 | 100 | L | VN..1604.. |

## DVUNR | DVUNL 93°/35°



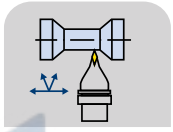


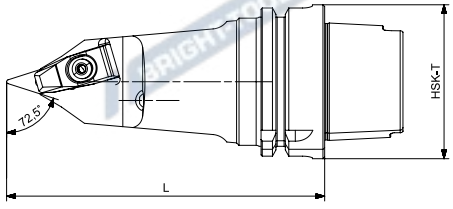



| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-DVUNR-45070-16 | 45 | 80 | 70 | R | VN..1604.. |
| HSK63T-DVUNL-45070-16 | 45 | 80 | 70 | L | VN..1604.. |
| HSK100T-DVUNR-63100-16 | 63 | 120 | 100 | R | VN..1604.. |
| HSK100T-DVUNL-63100-16 | 63 | 120 | 100 | L | VN..1604.. |

## DVVNN 72.5°/35°/72.5°



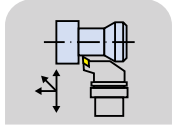


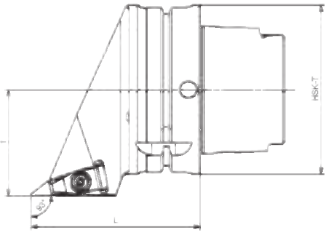



| Size | L | Direction | Inserts N. |
|---|---|---|---|
| HSK63T-DVVNN-00100-16 | 100 | N | VN..1604.. |
| HSK63T-DVVNN-00130-16 | 130 | N | VN..1604.. |
| HSK100T-DVVNN-00125-16 | 125 | N | VN..1604.. |

## DVJNR | DVJNL 93°/35°



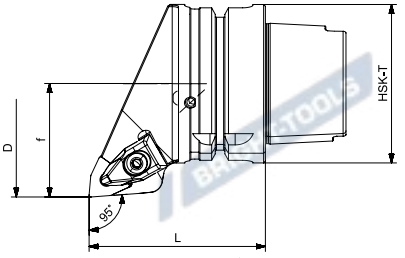




| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK100T-DVJNR-63100-16 | 63 | - | 100 | R | VN..1604.. |
| HSK100T-DVJNL-63100-16 | 63 | - | 100 | L | VN..1604.. |

## DWLNR | DWLNL 95°/80°

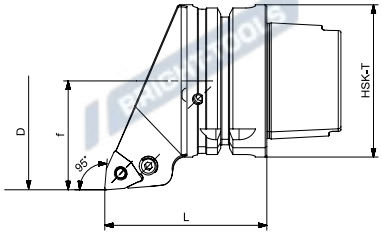





| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-DWLNR-45070-8 | 45 | 80 | 70 | R | WN..0804.. |
| HSK63T-DWLNL-45070-8 | 45 | 80 | 70 | L | WN..0804.. |
| HSK100T-DWLNR-63100-8 | 63 | 120 | 100 | R | WN..0804.. |
| HSK100T-DWLNL-63100-8 | 63 | 120 | 100 | L | WN..0804.. |

## PWLNR | PWLNL 95°/80°

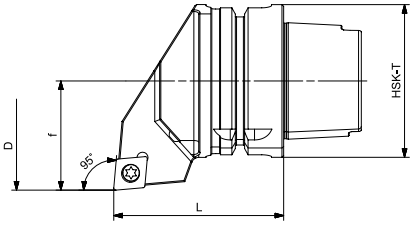





| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-PWLNR-45070-8 | 45 | 80 | 70 | R | WN..0804.. |
| HSK63T-PWLNL-45070-8 | 45 | 80 | 70 | L | WN..0804.. |
| HSK100T-PWLNR-63100-8 | 63 | 120 | 100 | R | WN..0804.. |
| HSK100T-PWLNL-63100-8 | 63 | 120 | 100 | L | WN..0804.. |

## SCLCR | SCLCL 95°/80°

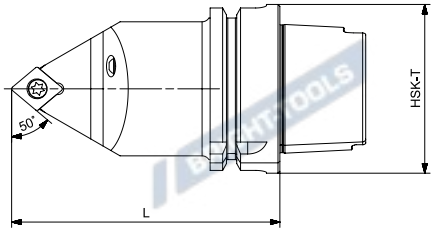





| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-SCLCR-45070-12 | 45 | 80 | 70 | R | CC..1204.. |
| HSK63T-SCLCL-45070-12 | 45 | 80 | 70 | L | CC..1204.. |
| HSK100T-SCLCR-63100-12 | 63 | 120 | 100 | R | CC..1204.. |
| HSK100T-SCLCL-63100-12 | 63 | 120 | 100 | L | CC..1204.. |

## SCMCN 50°/80°/50°

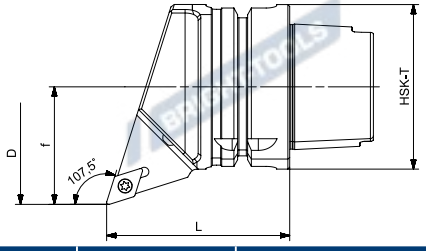





| Size | L | Direction | Inserts N. |
|---|---|---|---|
| HSK63T-SCMCN-00100-12 | 100 | N | CC..1204.. |
| HSK63T-SCMCN-00130-12 | 130 | N | CC..1204.. |
| HSK100T-SCMCN-00125-12 | 125 | N | CC..1204.. |

## SDQCR | SDQCL 107.5°/55°

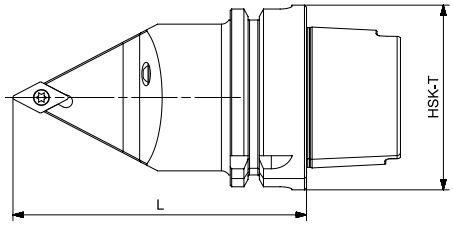





| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-SDQCR-45070-11 | 45 | 80 | 70 | R | DC..11T3.. |
| HSK63T-SDQCL-45070-11 | 45 | 80 | 70 | L | DC..11T3.. |
| HSK100T-SDQCR-63100-11 | 63 | 120 | 100 | R | DC..11T3.. |
| HSK100T-SDQCL-63100-11 | 63 | 120 | 100 | L | DC..11T3.. |

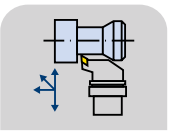
## SDNCN 62.5°/55°/62.5°



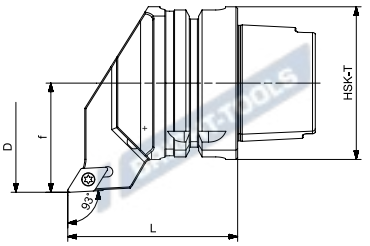



| Size | L | Direction | Inserts N. |
|---|---|---|---|
| HSK63T-SDNCN-00100-11 | 100 | N | DC..11T3.. |
| HSK63T-SDNCN-00130-11 | 130 | N | DC..11T3.. |
| HSK100T-SDNCN-00125-11 | 125 | N | DC..11T3.. |

## SDJCR | SDJCL 93°/55°

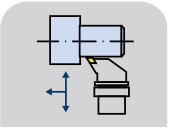




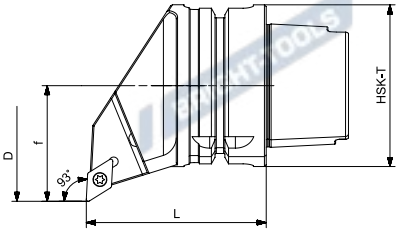



| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-SDJCR-45070-11 | 45 | 80 | 70 | R | DC..11T3.. |
| HSK63T-SDJCL-45070-11 | 45 | 80 | 70 | L | DC..11T3.. |
| HSK100T-SDJCR-63100-11 | 63 | 120 | 100 | R | DC..11T3.. |
| HSK100T-SDJCL-63100-11 | 63 | 120 | 100 | L | DC..11T3.. |

## SDUCR | SDUCL 93°/55°

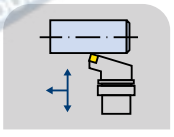




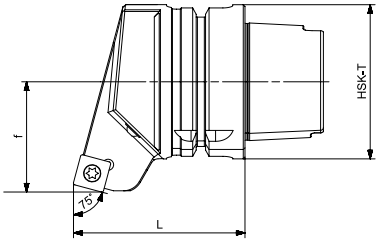



| Size | f | D | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-SDUCR-45070-11 | 45 | 80 | 70 | R | DC..11T3.. |
| HSK63T-SDUCL-45070-11 | 45 | 80 | 70 | L | DC..11T3.. |
| HSK100T-SDUCR-63100-11 | 63 | 120 | 100 | R | DC..11T3.. |
| HSK100T-SDUCL-63100-11 | 63 | 120 | 100 | L | DC..11T3.. |

## SSBCR | SSBCL 75°/90°



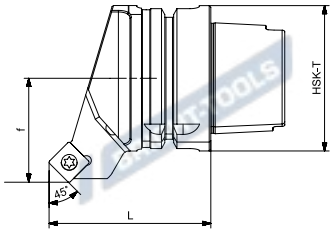





| Size | f | L | Direction | Inserts N. |
|---|---|---|---|---|
| HSK63T-SSBCR-45070-12 | 45 | 70 | R | SC..1204.. |
| HSK63T-SSBCL-45070-12 | 45 | 70 | L | SC..1204.. |
| HSK100T-SSBCR-63100-12 | 63 | 100 | R | SC..1204.. |
| HSK100T-SSBCL-63100-12 | 63 | 100 | L | SC..1204.. |

## SSSCR | SSSCL 45°/90°

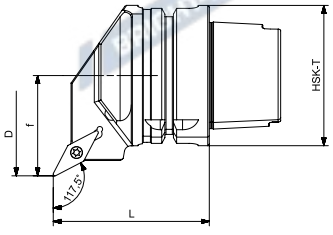





| Size | f | L | Direction | Inserts N. |
|---|---|---|---|---|
| HSK63T-SSSCR-45070-12 | 45 | 70 | R | SC..1204.. |
| HSK63T-SSSCL-45070-12 | 45 | 70 | L | SC..1204.. |
| HSK100T-SSSCR-63100-12 | 63 | 100 | R | SC..1204.. |
| HSK100T-SSSCL-63100-12 | 63 | 100 | L | SC..1204.. |

## SVPBR | SVPBL | SVPCR | SVPCL 117.5°/35°

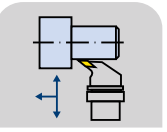


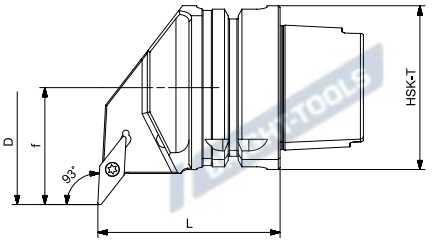



| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-SVPBR-45070-16 | 45 | 80 | 70 | R | VB..1604.. |
| HSK63T-SVPBL-45070-16 | 45 | 80 | 70 | L | VB..1604.. |
| HSK63T-SVPCR-45070-16 | 45 | 80 | 70 | R | VC..1604.. |
| HSK63T-SVPCL-45070-16 | 45 | 80 | 70 | L | VC..1604.. |
| HSK100T-SVPBR-63100-16 | 63 | 120 | 100 | R | VB..1604.. |
| HSK100T-SVPBL-63100-16 | 63 | 120 | 100 | L | VB..1604.. |
| HSK100T-SVPCR-63100-16 | 63 | 120 | 100 | R | VC..1604.. |
| HSK100T-SVPCL-63100-16 | 63 | 120 | 100 | L | VC..1604.. |

## SVUBR | SVUBL | SVUCR | SVUCL 93°/35°



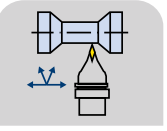


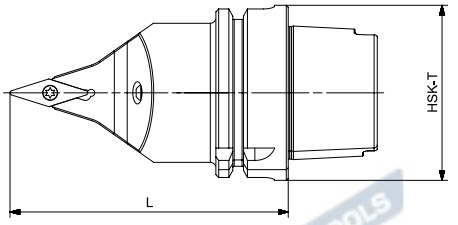



| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-SVUBR-45070-16 | 45 | 80 | 70 | R | VB..1604.. |
| HSK63T-SVUBL-45070-16 | 45 | 80 | 70 | L | VB..1604.. |
| HSK63T-SVUCR-45070-16 | 45 | 80 | 70 | R | VC..1604.. |
| HSK63T-SVUCL-45070-16 | 45 | 80 | 70 | L | VC..1604.. |
| HSK100T-SVUBR-63100-16 | 63 | 120 | 100 | R | VB..1604.. |
| HSK100T-SVUBL-63100-16 | 63 | 120 | 100 | L | VB..1604.. |
| HSK100T-SVUCR-63100-16 | 63 | 120 | 100 | R | VC..1604.. |
| HSK100T-SVUCL-63100-16 | 63 | 120 | 100 | L | VC..1604.. |

## SVVBN | SVVCN 72.5°/35°/72.5°



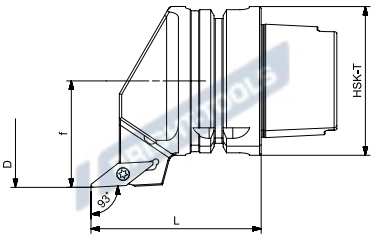





| Size | L | Direction | Inserts N. |
|---|---|---|---|
| HSK63T-SVVBN-00100-16 | 100 | N | VB..1604.. |
| HSK63T-SVVBN-00130-16 | 130 | N | VB..1604.. |
| HSK63T-SVVCN-00100-16 | 100 | N | VC..1604.. |
| HSK63T-SVVCN-00130-16 | 130 | N | VC..1604.. |
| HSK100T-SVVBN-00125-16 | 125 | N | VB..1604.. |
| HSK100T-SVVCN-00125-16 | 125 | N | VC..1604.. |

## SVJBR | SVJBL | SVJCR | SVJCL 93°/35°

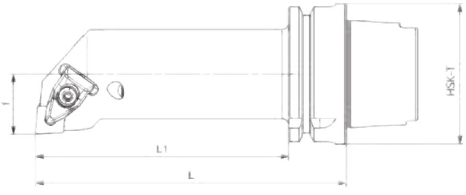





| Size | f | D min | L | Direction | Inserts N. |
|---|---|---|---|---|---|
| HSK63T-SVJBR-45072-16 | 45 | 80 | 71.5 | R | VB..1604.. |
| HSK63T-SVJBL-45072-16 | 45 | 80 | 71.5 | L | VB..1604.. |
| HSK63T-SVJCR-45072-16 | 45 | 80 | 71.5 | R | VC..1604.. |
| HSK63T-SVJCL-45072-16 | 45 | 80 | 71.5 | L | VC..1604.. |
| HSK100T-SVJBR-63100-16 | 63 | 120 | 100 | R | VB..1604.. |
| HSK100T-SVJBL-63100-16 | 63 | 120 | 100 | L | VB..1604.. |
| HSK100T-SVJCR-63100-16 | 63 | 120 | 100 | R | VC..1604.. |
| HSK100T-SVJCL-63100-16 | 63 | 120 | 100 | L | VC..1604.. |

## DCLNR | DCLNL 95°/80°

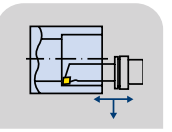


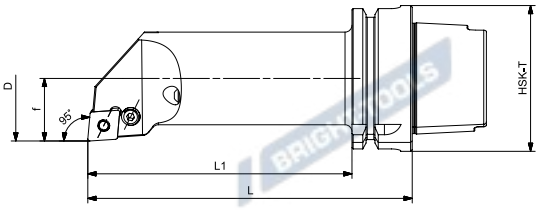



| Size | f | D min | L | L1 | Direction | Inserts N. |
|---|---|---|---|---|---|---|
| HSK63T-DCLNR-27140-12 | 27 | 50 | 140 | 114 | R | CN..1204.. |
| HSK63T-DCLNL-27140-12 | 27 | 50 | 140 | 114 | L | CN..1204.. |
| HSK63T-DCLNR-27180-12 | 27 | 50 | 180 | 154 | R | CN..1204.. |
| HSK63T-DCLNL-27180-12 | 27 | 50 | 180 | 154 | L | CN..1204.. |
| HSK100T-DCLNR-27150-12 | 27 | 50 | 150 | 121 | R | CN..1204.. |
| HSK100T-DCLNL-27150-12 | 27 | 50 | 150 | 121 | L | CN..1204.. |
| HSK100T-DCLNR-27200-12 | 27 | 50 | 200 | 171 | R | CN..1204.. |
| HSK100T-DCLNL-27200-12 | 27 | 50 | 200 | 171 | L | CN..1204.. |
| HSK100T-DCLNR-35150-12 | 35 | 63 | 150 | 121 | R | CN..1204.. |
| HSK100T-DCLNL-35150-12 | 35 | 63 | 150 | 121 | L | CN..1204.. |
| HSK100T-DCLNR-35200-12 | 35 | 63 | 200 | 171 | R | CN..1204.. |
| HSK100T-DCLNL-35200-12 | 35 | 63 | 200 | 171 | L | CN..1204.. |

## 长型 PCLNR | PCLNL 95°/80°



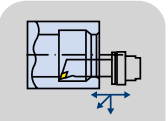


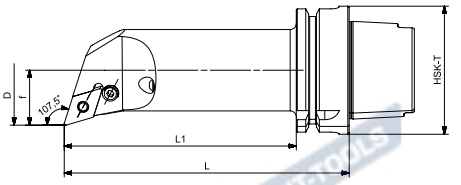



| Size | f | D min | L | L1 | Direction | Inserts N. |
|---|---|---|---|---|---|---|
| HSK63T-PCLNR-27140-12 | 27 | 50 | 140 | 114 | R | CN..1204.. |
| HSK63T-PCLNL-27140-12 | 27 | 50 | 140 | 114 | L | CN..1204.. |
| HSK63T-PCLNR-27180-12 | 27 | 50 | 180 | 154 | R | CN..1204.. |
| HSK63T-PCLNL-27180-12 | 27 | 50 | 180 | 154 | L | CN..1204.. |
| HSK100T-PCLNR-27150-12 | 27 | 50 | 150 | 121 | R | CN..1204.. |
| HSK100T-PCLNL-27150-12 | 27 | 50 | 150 | 121 | L | CN..1204.. |
| HSK100T-PCLNR-27200-12 | 27 | 50 | 200 | 171 | R | CN..1204.. |
| HSK100T-PCLNL-27200-12 | 27 | 50 | 200 | 171 | L | CN..1204.. |
| HSK100T-PCLNR-35150-12 | 35 | 63 | 150 | 121 | R | CN..1204.. |
| HSK100T-PCLNL-35150-12 | 35 | 63 | 150 | 121 | L | CN..1204.. |
| HSK100T-PCLNR-35200-12 | 35 | 63 | 200 | 171 | R | CN..1204.. |
| HSK100T-PCLNL-35200-12 | 35 | 63 | 200 | 171 | L | CN..1204.. |

## 长型 PDQNR | PDQNL 107.5°/55°



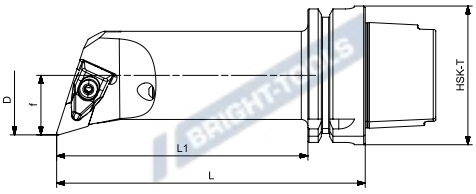





| Size | f | D min | L | L1 | Direction | Inserts N. |
|---|---|---|---|---|---|---|
| HSK63T-PDQNR-27140-15 | 27 | 50 | 140 | 114 | R | DN..1506.. |
| HSK63T-PDQNL-27140-15 | 27 | 50 | 140 | 114 | L | DN..1506.. |
| HSK63T-PDQNR-27180-15 | 27 | 50 | 180 | 154 | R | DN..1506.. |
| HSK63T-PDQNL-27180-15 | 27 | 50 | 180 | 154 | L | DN..1506.. |
| HSK100T-PDQNR-27150-15 | 27 | 50 | 150 | 121 | R | DN..1506.. |
| HSK100T-PDQNL-27150-15 | 27 | 50 | 150 | 121 | L | DN..1506.. |
| HSK100T-PDQNR-27200-15 | 27 | 50 | 200 | 171 | R | DN..1506.. |
| HSK100T-PDQNL-27200-15 | 27 | 50 | 200 | 171 | L | DN..1506.. |
| HSK100T-PDQNR-35150-15 | 35 | 63 | 150 | 121 | R | DN..1506.. |
| HSK100T-PDQNL-35150-15 | 35 | 63 | 150 | 121 | L | DN..1506.. |
| HSK100T-PDQNR-35200-15 | 35 | 63 | 200 | 171 | R | DN..1506.. |
| HSK100T-PDQNL-35200-15 | 35 | 63 | 200 | 171 | L | DN..1506.. |

## 长型 DDQNR | DDQNL 107.5°/55°

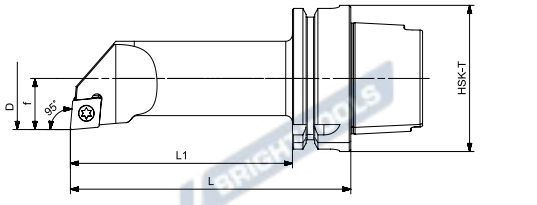





| Size | f | D min | L | L1 | Direction | Inserts N. |
|---|---|---|---|---|---|---|
| HSK63T-DDQNR-27140-15 | 27 | 50 | 140 | 114 | R | DN..1506.. |
| HSK63T-DDQNL-27140-15 | 27 | 50 | 140 | 114 | L | DN..1506.. |
| HSK63T-DDQNR-27180-15 | 27 | 50 | 180 | 154 | R | DN..1506.. |
| HSK63T-DDQNL-27180-15 | 27 | 50 | 180 | 154 | L | DN..1506.. |
| HSK100T-DDQNR-27150-15 | 27 | 50 | 150 | 121 | R | DN..1506.. |
| HSK100T-DDQNL-27150-15 | 27 | 50 | 150 | 121 | L | DN..1506.. |
| HSK100T-DDQNR-27200-15 | 27 | 50 | 200 | 171 | R | DN..1506.. |
| HSK100T-DDQNL-27200-15 | 27 | 50 | 200 | 171 | L | DN..1506.. |
| HSK100T-DDQNR-35150-15 | 35 | 63 | 150 | 121 | R | DN..1506.. |
| HSK100T-DDQNL-35150-15 | 35 | 63 | 150 | 121 | L | DN..1506.. |
| HSK100T-DDQNR-35200-15 | 35 | 63 | 200 | 171 | R | DN..1506.. |
| HSK100T-DDQNL-35200-15 | 35 | 63 | 200 | 171 | L | DN..1506.. |

## 长型 SCLCR | SCLCL 95°/80°

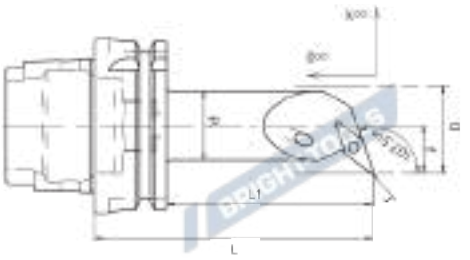





| Size | f | D min | L | L1 | Direction | Inserts N. |
|---|---|---|---|---|---|---|
| HSK63T-SCLCR-22125-12 | 22 | 40 | 125 | 99 | R | CC..1204.. |
| HSK63T-SCLCL-22125-12 | 22 | 40 | 125 | 99 | L | CC..1204.. |
| HSK63T-SCLCR-22160-12 | 22 | 40 | 160 | 134 | R | CC..1204.. |
| HSK63T-SCLCL-22160-12 | 22 | 40 | 160 | 134 | L | CC..1204.. |
| HSK63T-SCLCR-27140-12 | 27 | 50 | 140 | 114 | R | CC..1204.. |
| HSK63T-SCLCL-27140-12 | 27 | 50 | 140 | 114 | L | CC..1204.. |
| HSK63T-SCLCR-27180-12 | 27 | 50 | 180 | 154 | R | CC..1204.. |
| HSK63T-SCLCL-27180-12 | 27 | 50 | 180 | 154 | L | CC..1204.. |

# 长型 SVQBR | SVQBL 107.5°/55°

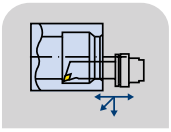


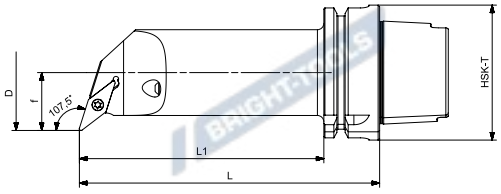


| Size | d | L | L1 | f | k° | D | r | Inserts N. |
|---|---|---|---|---|---|---|---|---|
| HSK63T-SVQBR-13085-11 | 20 | 85 | 59 | 13 | -8 | 25 | 0.4 | VB..1102.. |
| HSK63T-SVQBL-13085-11 | 20 | 85 | 59 | 13 | -8 | 25 | 0.4 | VB..1102.. |
| | | | | | | | | |
| HSK63T-SVQBR-17100-11 | 25 | 100 | 74 | 17 | -5 | 32 | 0.4 | VB..1102.. |
| HSK63T-SVQBL-17100-11 | 25 | 100 | 74 | 17 | -5 | 32 | 0.4 | VB..1102.. |
| | | | | | | | | |
| HSK63T-SVQBR22120-16 | 32 | 120 | 94 | 22 | -10 | 40 | 0.8 | VB..1604.. |
| HSK63T-SVQBL22120-16 | 32 | 120 | 94 | 22 | -10 | 40 | 0.8 | VB..1604.. |
| | | | | | | | | |
| HSK63T-SVQBR-27140-16 | 40 | 140 | 114 | 27 | -10 | 50 | 0.8 | VB..1604.. |
| HSK63T-SVQBL-27140-16 | 40 | 140 | 114 | 27 | -10 | 50 | 0.8 | VB..1604.. |

# 长型 SVQCR | SVQCL 107.5°/55°








| Size | f | D min | L | L1 | Direction | Inserts N. |
|---|---|---|---|---|---|---|
| HSK63T-SVQCR-22125-16 | 22 | 40 | 125 | 99 | R | VC..1604 |
| HSK63T-SVQCL-22125-16 | 22 | 40 | 125 | 99 | L | VC..1604 |
| HSK63T-SVQCR-22160-16 | 22 | 40 | 160 | 134 | R | VC..1604 |
| HSK63T-SVQCL-22160-16 | 22 | 40 | 160 | 134 | L | VC..1604 |
| HSK63T-SVQCR-27140-16 | 27 | 50 | 140 | 114 | R | VC..1604 |
| HSK63T-SVQCL-27140-16 | 27 | 50 | 140 | 114 | L | VC..1604 |
| HSK63T-SVQCR-27180-16 | 27 | 50 | 180 | 154 | R | VC..1604 |
| HSK63T-SVQCL-27180-16 | 27 | 50 | 180 | 154 | L | VC..1604 |

BRIGHT-TOOLS

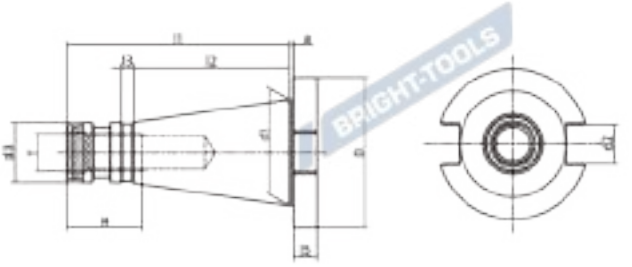
# NT

## TOOL HOLDERS

BRIGHT-TOOLS

# NT Taper Standard
# NT 锥柄标准





| Size | D | d1 | d2 | d3 | a | l1 | l2 | l3 | l4 | l5 | T |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NT30 | 50 | 31.75 | 16.1 | 17.11 | 1.6 | 68.4 | 48.4 | 3 | 24 | 8 | M12 |
| NT40 OTT | 63 | 44.45 | 16.1 | 25 | 1.6 | 93.4 | 65.4 | 5 | 32 | 10 | M16 |
| NT50 OTT | 97.5 | 69.85 | 25.7 | 39.29 | 3.2 | 126.8 | 101.8 | 8 | 47 | 12 | M24 |

**Taper standard:** DIN 2080
**Material:** Alloyed case hardened steel
**Surface Treatment:** Blackening and Bright
**Taper tolerance:** <AT3
**Hardness:** HRC 56-60
**Carbon depth:** 0.8±0.2mm
**Surface Roughness:** Ra<0.2μm

# NT TOOLING SYSTEM
# NT 工具系统

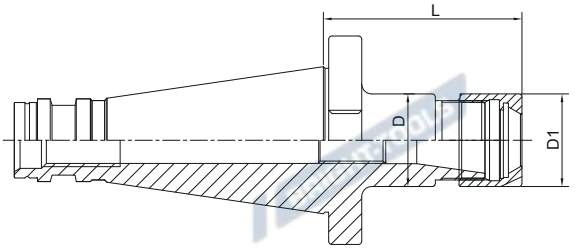
ER Collet Chuck.....H.04
ER弹簧夹头刀柄
Power Milling Chuck..... H.05
强力铣刀柄
OZ Collet Chuck.....H.05
OZ夹头刀柄
Face Mill Holder ..... H.06
面铣刀柄
Combi Shell Mill Holder..... H.07
混合插入式铣刀柄
End Mill Holder.....H.08
侧固刀柄
Morse Taper Adapter..... H.09
带扁尾莫氏刀柄
Morse Taper Adapter ..... H.10
带螺纹孔莫氏刀柄
Tool Holder Adapter Sleeve ..... H.10
转换刀柄
Drill Chuck Adapter.....H.11
钻接杆
APU Drill Chuck Holder .....H.11
APU钻夹头刀柄
Quick Change Tapping Chuck .....H.12
弹性快换攻丝刀柄



## ER Collet Chuck
## ER 弹簧夹头刀柄

DIN6499 | A ≤0.003 | AD



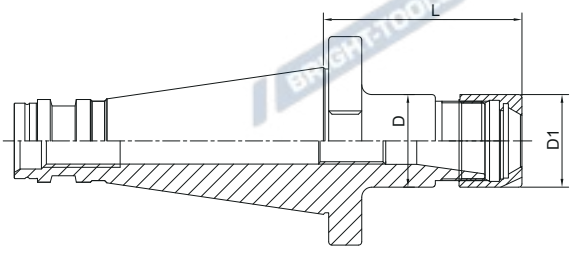



| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| NT30-ER16-50 | 28 | 28 | 50 | 1-10 |
| NT30-ER20-50 | 34 | 34 | 50 | 1-13 |
| NT30-ER25-50 | 42 | 42 | 50 | 2-16 |
| NT30-ER32-50 | 40 | 50 | 50 | 2-20 |
| NT30-ER40-80 | 50 | 63 | 80 | 4-26 |
| | | | | |
| NT40-ER16-50 OTT | 28 | 28 | 50 | 1-10 |
| NT40-ER20-50 OTT | 34 | 34 | 50 | 1-13 |
| NT40-ER25-50 OTT | 42 | 42 | 50 | 1-13 |
| NT40-ER32-50 OTT | 50 | 50 | 50 | 3-20 |
| NT40-ER40-80 OTT | 50 | 63 | 80 | 4-26 |
| | | | | |
| NT50-ER25-60 OTT | 42 | 42 | 60 | 1-13 |
| NT50-ER32-70 OTT | 50 | 50 | 70 | 1-20 |
| NT50-ER40-80 OTT | 63 | 63 | 80 | 2-26 |
| NT50-ER50-90 OTT | 70 | 78 | 90 | 6-34 |

## ER Collet Chuck with Mini Nut
## ER 弹簧夹头刀柄

DIN6499 | A ≤0.003 | AD



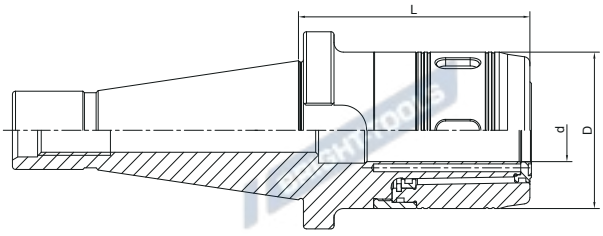



| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| NT30-ER16M-70 | 22 | 22 | 70 | 1-10 |
| NT30-ER20M-70 | 28 | 28 | 70 | 1-13 |
| NT30-ER25M-70 | 35 | 35 | 70 | 2-16 |
| | | | | |
| NT40-ER16M-60 OTT | 22 | 22 | 60 | 1-10 |
| NT40-ER20M-60 OTT | 28 | 28 | 60 | 1-13 |
| NT40-ER25M-60 OTT | 35 | 35 | 60 | 2-16 |

## Power Milling Chuck
## 强力铣刀柄

A ≤0.008 | AD



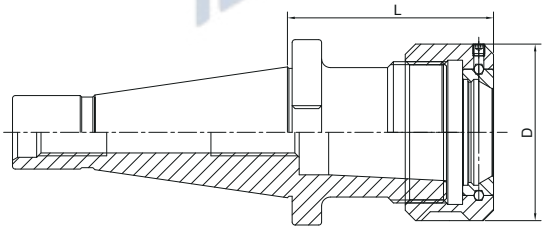



| Size | d | D | L | Capacity | M |
|---|---|---|---|---|---|
| NT40-HC25-105 OTT | 25 | 59 | 105 | 3-20; 25 | M16 |
| NT40-HC32-105 OTT | 32 | 72 | 105 | 3-25; 32 | M16 |
| | | | | | |
| NT50-HC32-110 OTT | 32 | 72 | 110 | 3-25; 32 | M24 |
| NT50-HC42-120 OTT | 42 | 99 | 120 | 3-32; 42 | M24 |

## OZ Collet Chuck
## OZ 夹头刀柄

DIN6391 | A ≤0.005 | AD



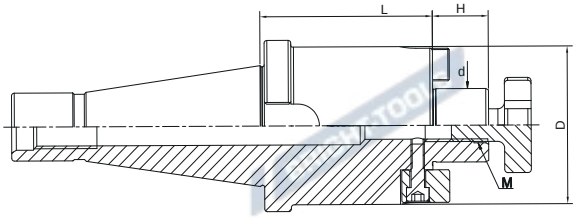



| Size | D | L | Capacity |
|---|---|---|---|
| NT30-OZ16-50 | 43 | 50 | 2-16 |
| NT30-OZ25-70 | 60 | 70 | 3-25 |
| | | | |
| NT40-OZ16-70 OTT | 43 | 70 | 2-16 |
| NT40-OZ25-70 OTT | 60 | 70 | 3-25 |
| NT40-OZ32-80 OTT | 72 | 80 | 6-32 |
| | | | |
| NT50-OZ25-70 OTT | 60 | 70 | 3-25 |
| NT50-OZ32-80 OTT | 72 | 80 | 6-32 |

## Face Mill Holder
## 面铣刀柄

DIN6357 | A ≤0.005 | AD



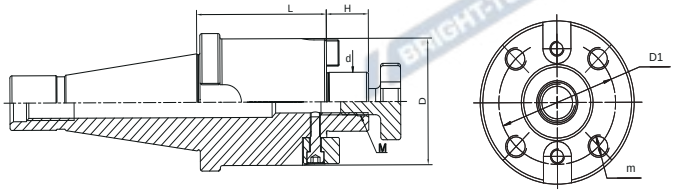



| Size | d | D | L | H | M |
|---|---|---|---|---|---|
| NT30-FMB16-30 | 16 | 38 | 30 | 17 | M8 |
| NT30-FMB22-30 | 22 | 48 | 30 | 19 | M10 |
| NT30-FMB27-45 | 27 | 58 | 45 | 21 | M12 |
| NT30-FMB32-50 | 32 | 78 | 50 | 24 | M16 |
| | | | | | |
| NT40-FMB16-30 OTT | 16 | 38 | 30 | 17 | M8 |
| NT40-FMB22-30 OTT | 22 | 48 | 30 | 19 | M10 |
| NT40-FMB27-30 OTT | 27 | 58 | 30 | 21 | M12 |
| NT40-FMB32-30 OTT | 32 | 78 | 30 | 24 | M16 |
| | | | | | |
| NT50-FMB16-30 OTT | 16 | 38 | 30 | 17 | M8 |
| NT50-FMB22-35 OTT | 22 | 48 | 35 | 19 | M10 |
| NT50-FMB27-35 OTT | 27 | 58 | 35 | 21 | M12 |
| NT50-FMB32-40 OTT | 32 | 78 | 40 | 24 | M16 |

## Face Mill Holder
## 面铣刀柄

DIN6357 | A ≤0.005 | AD



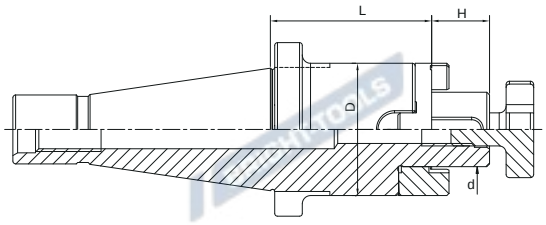



| Size | d | D | D1 | L | H | M | m |
|---|---|---|---|---|---|---|---|
| NT40-FMB40-30 OTT | 40 | 88 | 66.7 | 30 | 27 | M20 | M12 |
| NT50-FMB40-40 OTT | 40 | 88 | 66.7 | 40 | 27 | M20 | M12 |

# Combi Shell Mill Holder
# 混合插入式铣刀柄

DIN6358 | A ≤0.005



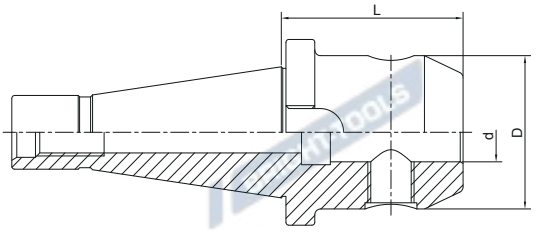



| Size | d | D | L | L1 |
|---|---|---|---|---|
| NT30-SEMC16-35 | 16 | 32 | 35 | 17 |
| NT30-SEMC22-35 | 22 | 40 | 35 | 19 |
| NT30-SEMC27-35 | 27 | 48 | 35 | 21 |
| NT30-SEMC32-50 | 32 | 58 | 50 | 24 |
| | | | | |
| NT40-SEMC16-52 OTT | 16 | 32 | 52 | 17 |
| NT40-SEMC22-52 OTT | 22 | 40 | 52 | 19 |
| NT40-SEMC27-52 OTT | 27 | 48 | 52 | 21 |
| NT40-SEMC32-52 OTT | 32 | 58 | 52 | 24 |
| NT40-SEMC40-52 OTT | 40 | 70 | 52 | 27 |
| | | | | |
| NT50-SEMC16-55 OTT | 16 | 32 | 55 | 17 |
| NT50-SEMC22-55 OTT | 22 | 40 | 55 | 19 |
| NT50-SEMC27-55 OTT | 27 | 48 | 55 | 21 |
| NT50-SEMC32-55 OTT | 32 | 58 | 55 | 24 |
| NT50-SEMC40-55 OTT | 40 | 70 | 55 | 27 |

# End Mill Holder Weldon
# 侧固刀柄

DIN6359/1835B | A ≤0.005 | AD



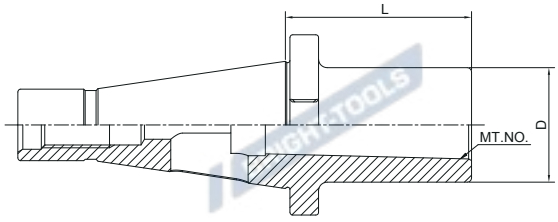



| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| NT30-SLA06-40 | 6 | 25 | 40 | M6 | 1 |
| NT30-SLA08-40 | 8 | 28 | 40 | M8 | 1 |
| NT30-SLA10-40 | 10 | 35 | 40 | M10 | 1 |
| NT30-SLA12-40 | 12 | 42 | 40 | M12 | 1 |
| NT30-SLA16-50 | 16 | 48 | 50 | M14 | 1 |
| NT30-SLA18-50 | 18 | 50 | 50 | M14 | 1 |
| NT30-SLA20-63 | 20 | 52 | 63 | M16 | 1 |
| | | | | | |
| NT40-SLA06-50 OTT | 6 | 25 | 50 | M6 | 1 |
| NT40-SLA08-50 OTT | 8 | 28 | 50 | M8 | 1 |
| NT40-SLA10-50 OTT | 10 | 35 | 50 | M10 | 1 |
| NT40-SLA12-50 OTT | 12 | 42 | 50 | M12 | 1 |
| NT40-SLA14-50 OTT | 14 | 44 | 50 | M12 | 1 |
| NT40-SLA16-63 OTT | 16 | 48 | 63 | M14 | 1 |
| NT40-SLA18-63 OTT | 18 | 50 | 63 | M14 | 1 |
| NT40-SLA20-63 OTT | 20 | 52 | 63 | M16 | 1 |
| NT40-SLA25-80 OTT | 25 | 65 | 80 | M18*2 | 2 |
| NT40-SLA32-80 OTT | 32 | 72 | 80 | M20*2 | 2 |
| NT40-SLA40-90 OTT | 40 | 80 | 90 | M20*2 | 2 |
| | | | | | |
| NT50-SLA06-63 OTT | 6 | 25 | 63 | M6 | 1 |
| NT50-SLA08-63 OTT | 8 | 28 | 63 | M8 | 1 |
| NT50-SLA10-63 OTT | 10 | 35 | 63 | M10 | 1 |
| NT50-SLA12-63 OTT | 12 | 42 | 63 | M12 | 1 |
| NT50-SLA14-63 OTT | 14 | 44 | 63 | M12 | 1 |
| NT50-SLA16-63 OTT | 16 | 48 | 63 | M14 | 1 |
| NT50-SLA18-63 OTT | 18 | 50 | 63 | M14 | 1 |
| NT50-SLA20-63 OTT | 20 | 52 | 63 | M16 | 1 |
| NT50-SLA25-80 OTT | 25 | 65 | 80 | M18*2 | 2 |
| NT50-SLA32-80 OTT | 32 | 72 | 80 | M20*2 | 2 |
| NT50-SLA40-90 OTT | 40 | 80 | 90 | M20*2 | 2 |

# Morse Taper Adapter with Tang
# 带扁尾莫氏刀柄

DIN6383 | A ≤0.005



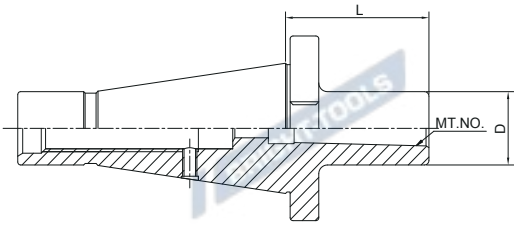



| Size | MT.No. | L | D |
|---|---|---|---|
| NT30-MTA1-50 | 1 | 50 | 25 |
| NT30-MTA2-50 | 2 | 50 | 32 |
| NT30-MTA3-75 | 3 | 75 | 40 |
| | | | |
| NT40-MTA1-50 OTT | 1 | 50 | 25 |
| NT40-MTA2-50 OTT | 2 | 50 | 32 |
| NT40-MTA3-65 OTT | 3 | 65 | 40 |
| NT40-MTA4-95 OTT | 4 | 95 | 48 |
| | | | |
| NT50-MTA1-45 OTT | 1 | 45 | 25 |
| NT50-MTA2-60 OTT | 2 | 60 | 32 |
| NT50-MTA3-65 OTT | 3 | 65 | 40 |
| NT50-MTA4-70 OTT | 4 | 70 | 48 |
| NT50-MTA5-105 OTT | 5 | 105 | 63 |

## Morse Taper Adapter with Drawbar
## 带螺纹孔莫氏刀柄

DIN6364 | A ≤0.005



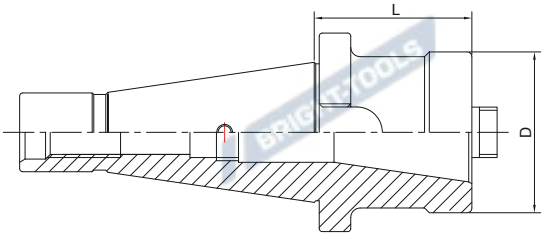



| Size | MT.No. | L | D |
|---|---|---|---|
| NT30-MTB1-45 | 1 | 45 | 25 |
| NT30-MTB2-60 | 2 | 60 | 32 |
| NT30-MTB3-70 | 3 | 70 | 40 |
| | | | |
| NT40-MTB1-50 OTT | 1 | 50 | 25 |
| NT40-MTB2-50 OTT | 2 | 50 | 32 |
| NT40-MTB3-65 OTT | 3 | 65 | 40 |
| NT40-MTB4-95 OTT | 4 | 95 | 48 |
| | | | |
| NT50-MTB1-60 OTT | 1 | 60 | 25 |
| NT50-MTB2-60 OTT | 2 | 60 | 32 |
| NT50-MTB3-65 OTT | 3 | 65 | 40 |
| NT50-MTB4-65 OTT | 4 | 65 | 48 |
| NT50-MTB5-120 OTT | 5 | 120 | 63 |

## Tool Holder Adapter Sleeve
## 转换刀柄

A ≤0.005



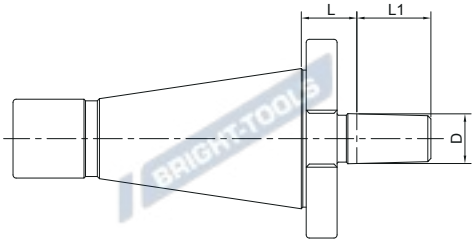



| Size | D | L |
|---|---|---|
| NT40-NT30-50 OTT | 51 | 50 |
| NT40-NT40-100 OTT | 63 | 100 |
| | | |
| NT50-NT40-50 OTT | 70 | 50 |
| NT50-NT50-125 OTT | 97 | 125 |

## Drill Chuck Adapter
## 钻接杆

DIN238 | A ≤0.005



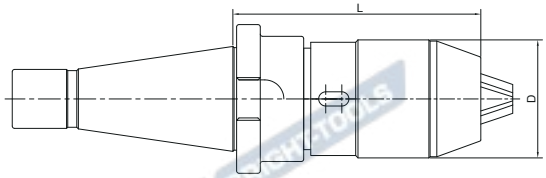



| Size | D | L | L1 |
|---|---|---|---|
| NT30-B12 | B12 | 15 | 18.5 |
| NT30-B16 | B16 | 17 | 24 |
| | | | |
| NT40-B12 OTT | B12 | 18 | 18.5 |
| NT40-B16 OTT | B16 | 18 | 24 |
| NT40-B18 OTT | B18 | 18 | 32 |
| | | | |
| NT50-B16 OTT | B16 | 20 | 24 |
| NT50-B18 OTT | B18 | 20 | 32 |



## APU Drill Chuck Holder
## APU 钻夹头刀柄

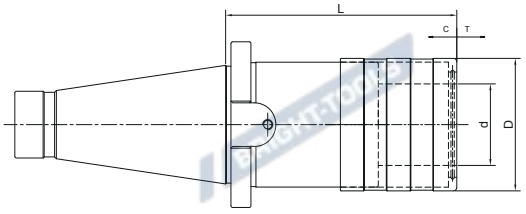





| Size | D | L | Capacity |
|---|---|---|---|
| NT30-APU08-80 | 38 | 80 | 1-8 |
| NT30-APU13-100 | 48 | 100 | 1-13 |
| | | | |
| NT40-APU08-85 OTT | 38 | 85 | 1-8 |
| NT40-APU13-110 OTT | 48 | 110 | 1-13 |
| NT40-APU16-105 OTT | 53 | 105 | 3-16 |
| | | | |
| NT50-APU08-95 OTT | 38 | 90 | 1-8 |
| NT50-APU13-100 OTT | 48 | 100 | 1-13 |
| NT50-APU16-110 OTT | 53 | 110 | 3-16 |

## Quick Change Tapping Chuck with Length Compensation
## 弹性快换攻丝刀柄






| Size | d | D | L | T | C |
|---|---|---|---|---|---|
| NT30-TC312-55 | 19 | 36 | 55 | 7.5 | 7.5 |
| NT30-TC820-86 | 31 | 53 | 86 | 12.5 | 12.5 |
| | | | | | |
| NT40-TC312-55 OTT | 19 | 36 | 55 | 7.5 | 7.5 |
| NT40-TC820-86 OTT | 31 | 53 | 86 | 12.5 | 12.5 |
| NT40-TC1433-132 OTT | 48 | 78 | 132 | 22 | 22 |
| | | | | | |
| NT50-TC312-62 OTT | 19 | 36 | 62 | 7.5 | 7.5 |
| NT50-TC820-90 OTT | 31 | 53 | 90 | 12.5 | 12.5 |
| NT50-TC1433-117 OTT | 48 | 78 | 117 | 22 | 22 |

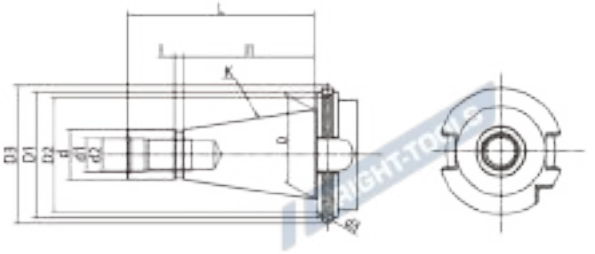
BRIGHT-TOOLS

# GOST

## TOOL HOLDERS

# GOST Taper Standard
# GOST 锥柄标准





| Size | D | D1 | D2 | D3 | D4 | d | d1 | d2 | d3 | L | l | l1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SK30 | 31.75 | 50 | 46 | 55.070 | 44 | 17.4 | 13 | M12 | 4 | 68.4 | 3 | 48.4 |
| SK40 | 44.45 | 63 | 58 | 69.340 | 55 | 25.3 | 17 | M16 | 5 | 93.4 | 5 | 65.4 |
| SK50 | 69.85 | 100 | 94 | 107.610 | 85 | 39.6 | 25 | M24 | 6 | 126.8 | 8 | 101.8 |

**Taper standard:** GOST 25827-93
**Material:** Alloyed case hardened steel
**Surface Treatment:** Blackening
**Taper tolerance:** <AT3
**Hardness:** HRC 56-60
**Carbon depth:** 0.8±0.2mm
**Surface Roughness:** Ra<0.2μm

# GOST TOOLING SYSTEM
# GOST 工具系统

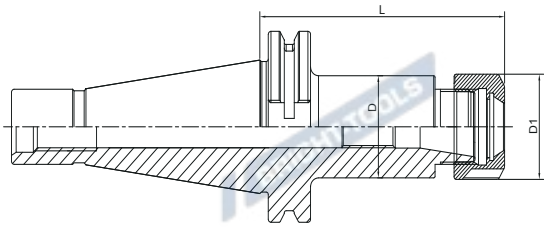
ER Collet Chuck .....I.04
ER弹簧夹头刀柄
Power Milling Chuck.....I.05
强力铣刀柄
Face Mill Holder ..... I.08
面铣刀柄
Combi Shell Mill Holder ..... I.09
混合插入式铣刀柄
End Mill Holder.....I.10
侧固刀柄
Morse Taper Adapter..... I.11
带扁尾莫氏刀柄
Morse Taper Adapter.....I.11
带螺纹孔莫氏刀柄
APU Drill Chuck Holder ..... I.12
APU钻夹头刀柄
Quick Change Tapping Chuck.....I.12
弹性快换攻丝刀柄



# ER Collet Chuck
# ER 弹簧夹头刀柄

DIN6499 | A ≤0.003 | AD





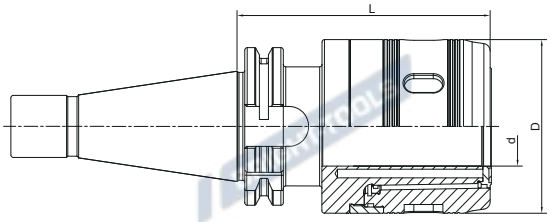

| Size | D | D1 | L | Capacity |
|---|---|---|---|---|
| SK40-ER16-70 GOST | 28 | 32 | 70 | 1-10 |
| SK40-ER25-70 GOST | 42 | 42 | 70 | 2-16 |
| SK40-ER32-70 GOST | 40 | 50 | 70 | 2-20 |
| SK40-ER40-80 GOST | 50 | 63 | 80 | 3-26 |
| SK40-ER16-100 GOST | 28 | 32 | 100 | 1-10 |
| SK40-ER25-100 GOST | 42 | 42 | 100 | 2-16 |
| SK40-ER32-100 GOST | 40 | 50 | 100 | 2-20 |
| SK40-ER40-100 GOST | 50 | 63 | 100 | 3-26 |
| SK40-ER16-160T GOST | 28 | 32 | 160 | 1-10 |
| SK40-ER25-160 GOST | 42 | 42 | 160 | 2-16 |
| SK40-ER32-160 GOST | 40 | 50 | 160 | 2-20 |
| SK40-ER40-160 GOST | 50 | 63 | 160 | 3-26 |
| | | | | |
| SK50-ER16-80 GOST | 28 | 32 | 80 | 1-10 |
| SK50-ER25-80 GOST | 42 | 42 | 80 | 2-16 |
| SK50-ER32-70 GOST | 50 | 50 | 70 | 2-20 |
| SK50-ER40-80 GOST | 63 | 63 | 80 | 3-26 |
| SK50-ER16-100 GOST | 28 | 32 | 100 | 1-10 |
| SK50-ER25-100 GOST | 42 | 42 | 100 | 2-16 |
| SK50-ER32-100 GOST | 50 | 50 | 100 | 2-20 |
| SK50-ER40-100 GOST | 63 | 63 | 100 | 3-26 |
| SK50-ER16-160 GOST | 28 | 32 | 160 | 1-10 |
| SK50-ER25-160 GOST | 42 | 42 | 160 | 2-16 |
| SK50-ER32-160 GOST | 50 | 50 | 160 | 2-20 |
| SK50-ER40-160 GOST | 63 | 63 | 160 | 3-26 |

# Power Milling Chuck
# 强力铣刀柄

A ≤0.008

AD






| Size | d | D | L | Capacity |
|---|---|---|---|---|
| SK40-HC20-85 GOST | 20 | 50 | 85 | 3-16; 20 |
| SK40-HC25-100 GOST | 25 | 59 | 100 | 3-20; 25 |
| SK40-HC32-105 GOST | 32 | 72 | 105 | 3-25; 32 |
| | | | | |
| SK50-HC20-105 GOST | 20 | 50 | 105 | 3-16; 20 |
| SK50-HC25-105 GOST | 25 | 59 | 105 | 3-20; 25 |
| SK50-HC32-110 GOST | 32 | 72 | 110 | 3-25; 32 |
| SK50-HC42-110 GOST | 42 | 99 | 110 | 3-32; 42 |

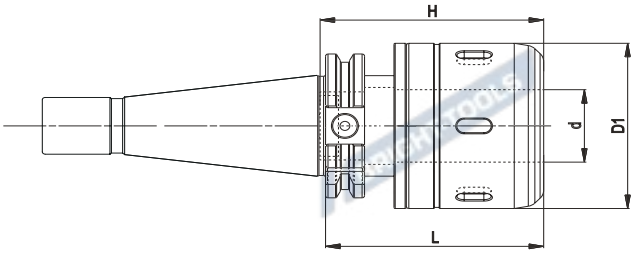
# Power Milling Chuck
# 强力铣刀柄

NEW

A ↗ ≤0.005

AD






| Size | d | D1 | L | H |
|---|---|---|---|---|
| SK30-CT16SA-90 GOST | 16 | 45 | 90 | 65 |
| SK30-CT16SA-105 GOST | 16 | 45 | 105 | 65 |
| SK30-CT20SA-90 GOST | 20 | 52 | 90 | 80 |
| SK30-CT20SA-105 GOST | 20 | 52 | 105 | 80 |
| | | | | |
| SK40-CT16SA-90 GOST | 20 | 52 | 75 | 90 |
| SK40-CT20SA-90 GOST | 20 | 52 | 90 | 80 |
| SK40-CT20SA-105 GOST | 20 | 52 | 105 | 80 |
| SK40-CT20SA-120 GOST | 20 | 52 | 120 | 80 |
| SK40-CT25SA-105 GOST | 25 | 61 | 105 | 80 |
| SK40-CT25SA-135 GOST | 25 | 61 | 135 | 80 |
| SK40-CT32SA-105 GOST | 32 | 73 | 105 | 85 |
| SK40-CT32SA-120 GOST | 32 | 73 | 120 | 85 |
| SK40-CT32SA-135 GOST | 32 | 73 | 135 | 120 |

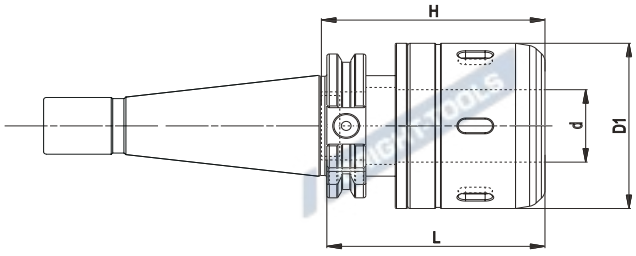
# Power Milling Chuck
# 强力铣刀柄

NEW

A ↗ ≤0.005

AD



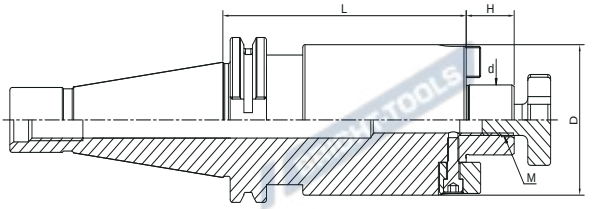



| Size | d | D1 | L | H |
|---|---|---|---|---|
| SK50-CT16SA-90 GOST | 16 | 45 | 90 | 65 |
| SK50-CT16SA-105 GOST | 16 | 45 | 105 | 65 |
| SK50-CT16SA-135 GOST | 16 | 45 | 135 | 65 |
| SK50-CT20SA-90 GOST | 20 | 52 | 90 | 80 |
| SK50-CT20SA-105 GOST | 20 | 52 | 105 | 80 |
| SK50-CT20SA-120 GOST | 20 | 52 | 120 | 80 |
| SK50-CT20SA-135 GOST | 20 | 52 | 135 | 80 |
| SK50-CT20SA-165 GOST | 20 | 52 | 165 | 80 |
| SK50-CT20SA-200 GOST | 20 | 52 | 200 | 80 |
| SK50-CT20SA-250 GOST | 20 | 52 | 250 | 80 |
| SK50-CT20SA-300 GOST | 20 | 52 | 300 | 80 |
| SK50-CT25SA-105 GOST | 25 | 61 | 105 | 80 |
| SK50-CT25SA-135 GOST | 25 | 61 | 135 | 80 |
| SK50-CT25SA-165 GOST | 25 | 61 | 165 | 80 |
| SK50-CT25SA-200 GOST | 25 | 61 | 200 | 80 |
| SK50-CT25SA-250 GOST | 25 | 61 | 250 | 80 |
| SK50-CT25SA-300 GOST | 25 | 61 | 300 | 80 |
| SK50-CT32SA-95 GOST | 32 | 73 | 95 | 120 |
| SK50-CT32SA -105 GOST | 32 | 73 | 105 | 120 |
| SK50-CT32SA-120 GOST | 32 | 73 | 120 | 120 |
| SK50-CT32SA-135 GOST | 32 | 73 | 135 | 120 |
| SK50-CT32SA-150 GOST | 32 | 73 | 150 | 120 |
| SK50-CT32SA-165 GOST | 32 | 73 | 165 | 120 |
| SK50-CT32SA-200 GOST | 32 | 73 | 200 | 120 |
| SK50-CT32SA-250 GOST | 32 | 73 | 250 | 120 |
| SK50-CT32SA-300 GOST | 32 | 73 | 300 | 120 |

# Face Mill Holder
# 面铣刀柄

DIN6357 | A ≤0.005 | AD



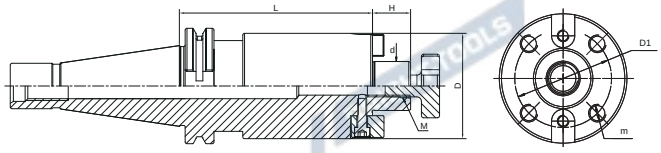



| Size | d | D | L | H | M |
|---|---|---|---|---|---|
| SK40-FMB16-45 GOST | 16 | 38 | 45 | 17 | M8 |
| SK40-FMB22-45 GOST | 22 | 48 | 45 | 19 | M10 |
| SK40-FMB27-40 GOST | 27 | 58 | 40 | 21 | M12 |
| SK40-FMB32-55 GOST | 32 | 78 | 55 | 24 | M16 |
| | | | | | |
| SK50-FMB16-40 GOST | 16 | 38 | 40 | 17 | M8 |
| SK50-FMB22-45 GOST | 22 | 48 | 45 | 19 | M10 |
| SK50-FMB27-45 GOST | 27 | 58 | 45 | 21 | M12 |
| SK50-FMB32-50 GOST | 32 | 78 | 50 | 24 | M16 |

## Face Mill Holder
## 面铣刀柄

DIN6357 | A ≤0.005 | AD



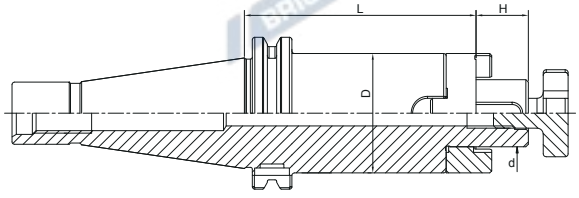



| Size | d | D | D1 | L | H | M | m |
|---|---|---|---|---|---|---|---|
| SK40-FMB40-55 GOST | 40 | 88 | 66.7 | 55 | 27 | M20 | M12 |
| SK50-FMB40-55 GOST | 40 | 88 | 66.7 | 55 | 27 | M20 | M12 |

## Combi Shell Mill Holder
## 混合插入式铣刀柄

DIN6358 | A ≤0.005



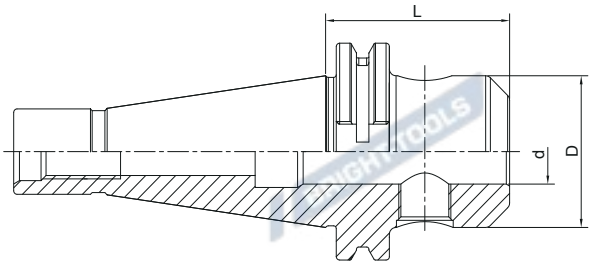



| Size | d | D | H | L |
|---|---|---|---|---|
| SK40-SEMC16-55 GOST | 16 | 32 | 17 | 55 |
| SK40-SEMC22-55 GOST | 22 | 40 | 19 | 55 |
| SK40-SEMC27-55 GOST | 27 | 48 | 21 | 55 |
| SK40-SEMC32-60 GOST | 32 | 58 | 24 | 60 |
| SK40-SEMC40-60 GOST | 40 | 70 | 27 | 60 |
| | | | | |
| SK50-SEMC16-55 GOST | 16 | 32 | 17 | 55 |
| SK50-SEMC22-55 GOST | 22 | 40 | 19 | 55 |
| SK50-SEMC27-55 GOST | 27 | 48 | 21 | 55 |
| SK50-SEMC32-55 GOST | 32 | 58 | 24 | 55 |
| SK50-SEMC40-55 GOST | 40 | 70 | 27 | 55 |

# End Mill Holder Weldon
# 侧固刀柄

| DIN6359/1835B | A ↗ ≤0.005 | AD |
|---|---|---|



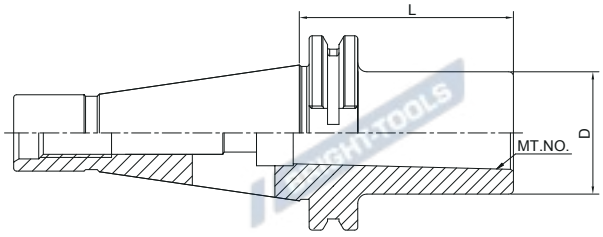



| Size | d | D | L | M | Screw Quantity |
|---|---|---|---|---|---|
| SK40-SLA6-50 GOST | 6 | 25 | 50 | M6 | 1 |
| SK40-SLA8-50 GOST | 8 | 28 | 50 | M8 | 1 |
| SK40-SLA10-50 GOST | 10 | 35 | 50 | M10 | 1 |
| SK40-SLA12-50 GOST | 12 | 42 | 50 | M12 | 1 |
| SK40-SLA14-50 GOST | 14 | 44 | 50 | M12 | 1 |
| SK40-SLA16-63 GOST | 16 | 48 | 63 | M14 | 1 |
| SK40-SLA18-63 GOST | 18 | 50 | 63 | M14 | 1 |
| SK40-SLA20-63 GOST | 20 | 52 | 63 | M16 | 1 |
| SK40-SLA25-100 GOST | 25 | 65 | 100 | M18*2 | 2 |
| SK40-SLA32-100 GOST | 32 | 72 | 100 | M20*2 | 2 |
| SK40-SLA40-120 GOST | 40 | 80 | 120 | M20*2 | 2 |
| | | | | | |
| SK50-SLA6-63 GOST | 6 | 25 | 63 | M6 | 1 |
| SK50-SLA8-63 GOST | 8 | 28 | 63 | M8 | 1 |
| SK50-SLA10-63 GOST | 10 | 35 | 63 | M10 | 1 |
| SK50-SLA12-63 GOST | 12 | 42 | 63 | M12 | 1 |
| SK50-SLA14-63 GOST | 14 | 44 | 63 | M12 | 1 |
| SK50-SLA16-63 GOST | 16 | 48 | 63 | M14 | 1 |
| SK50-SLA18-63 GOST | 18 | 50 | 63 | M14 | 1 |
| SK50-SLA20-63 GOST | 20 | 52 | 63 | M16 | 1 |
| SK50-SLA25-80 GOST | 25 | 65 | 80 | M18*2 | 2 |
| SK50-SLA32-100 GOST | 32 | 72 | 100 | M20*2 | 2 |
| SK50-SLA40-100 GOST | 40 | 80 | 100 | M20*2 | 2 |

## Morse Taper Adapter with Tang
## 带扁尾莫氏刀柄

DIN6383 | A ≤0.005



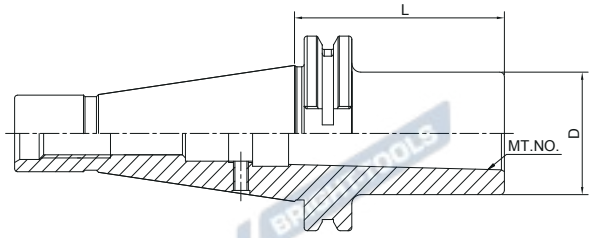



| Size | MT. NO. | D | L |
|---|---|---|---|
| SK40-MTA1-50 GOST | 1 | 25 | 50 |
| SK40-MTA2-50 GOST | 2 | 32 | 50 |
| SK40-MTA3-70 GOST | 3 | 40 | 70 |
| SK40-MTA4-95 GOST | 4 | 48 | 95 |
| | | | |
| SK50-MTA1-45 GOST | 1 | 25 | 45 |
| SK50-MTA2-60 GOST | 2 | 32 | 60 |
| SK50-MTA3-65 GOST | 3 | 40 | 65 |
| SK50-MTA4-95 GOST | 4 | 48 | 95 |
| SK50-MTA5-105 GOST | 5 | 63 | 105 |

## Morse Taper Adapter with Drawbar
## 带螺纹孔莫氏刀柄

DIN6364 | A ≤0.005

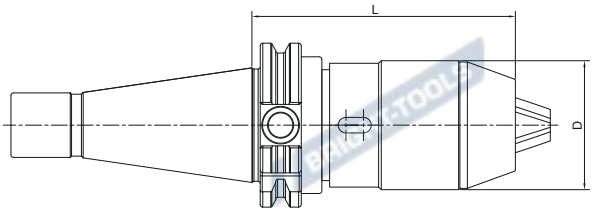





| Size | MT. NO. | D | L |
|---|---|---|---|
| SK40-MTB1-50 GOST | 1 | 25 | 50 |
| SK40-MTB2-50 GOST | 2 | 32 | 50 |
| SK40-MTB3-70 GOST | 3 | 40 | 70 |
| SK40-MTB4-95 GOST | 4 | 48 | 95 |
| | | | |
| SK50-MTB1-45 GOST | 1 | 25 | 45 |
| SK50-MTB2-60 GOST | 2 | 32 | 60 |
| SK50-MTB3-65 GOST | 3 | 40 | 65 |
| SK50-MTB4-95 GOST | 4 | 48 | 95 |
| SK50-MTB5-105 GOST | 5 | 63 | 105 |

## APU Drill Chuck Holder
## APU 钻夹头刀柄



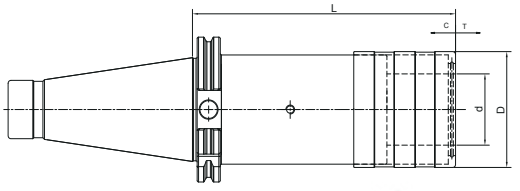



| Size | D | L | Capacity |
|---|---|---|---|
| SK40-APU13-100 GOST | 48 | 100 | 1-13 |
| SK40-APU16-110 GOST | 53 | 110 | 3-16 |
| | | | |
| SK50-APU13-100 GOST | 48 | 100 | 1-13 |
| SK50-APU16-100 GOST | 53 | 100 | 3-16 |

GOST

## Quick Change Tapping Chuck with Length Compensation
## 弹性快换攻丝刀柄





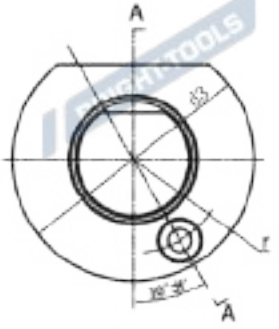

| Size | D | d | L | T | C |
|---|---|---|---|---|---|
| SK40-TC312-59 GOST | 36 | 19 | 59 | 7.5 | 7.5 |
| SK40-TC820-97 GOST | 54 | 31 | 97 | 12.5 | 12.5 |
| SK40-TC1433-156 GOST | 78 | 48 | 156 | 22 | 22 |
| | | | | | |
| SK50-TC312-63 GOST | 38 | 19 | 63 | 7.5 | 7.5 |
| SK50-TC820-97 GOST | 54 | 31 | 97 | 12.5 | 12.5 |
| SK50-TC1433-140 GOST | 78 | 48 | 140 | 22 | 22 |

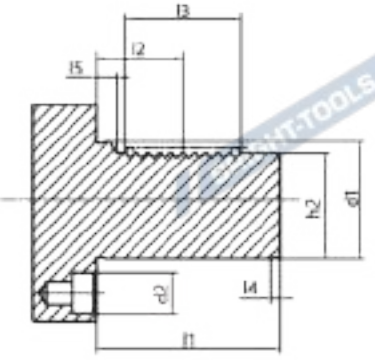
BRIGHT-TOOLS

# VDI

## TOOL HOLDERS

# VDI Taper Standard
# VDI 锥柄标准




| d1 H6 | h1 max | d2 | d3 | h2 ±0.1 | r ±0.02 | l1 max | l2 ±0.05 | l3 min | l4 max | l5 |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 12 | 8 | 40 | 15.0 | 14.5 | 32 | 12.7 | 16 | 2 | 3.5 |
| 20 | 16 | 10 | 50 | 18.0 | 18.0 | 40 | 21.7 | 24 | 2 | 7.0 |
| 25 | 16 | 10 | 58 | 23.5 | 21.0 | 48 | 21.7 | 24 | 2 | 7.0 |
| 30 | 20 | 14 | 68 | 27.0 | 25.0 | 55 | 29.7 | 40 | 2 | 7.0 |
| 40 | 25 | 14 | 83 | 36.0 | 32.0 | 63 | 29.7 | 40 | 3 | 7.0 |
| 50 | 32 | 16 | 98 | 45.0 | 37.0 | 78 | 35.7 | 48 | 3 | 8.0 |
| 60 | 32 | 16 | 123 | 55 | 48 | 94 | 43.7 | 56 | 4 | 10 |
| 80 | 40 | 20 | 158 | 72 | 65 | 124 | 49.7 | 80 | 4 | 10 |

# VDI TOOLING SYSTEM
# VDI 工具系统

Radial Holder Form B1 .....J.04
短型横向右刀夹
Radial Holder Form B2 ..... J.05
短型横向左刀夹
Radial Holder Form B3.....J.06
短型横向反切右刀夹
Radial Holder Form B4.....J.07
短型横向反切左刀夹
Radial Holder Form B5.....J.08
长型横向右刀夹
Radial Holder Form B6.....J.09
长型横向左刀夹
Radial Holder Form B7.....J.10
长型横向反切右刀夹
Radial Holder Form B8.....J.11
长型横向反切左刀夹
Axial Holder Form C1.....J.12
纵向右刀夹.....J.12
Axial Holder Form C2 .....J.13
纵向左刀夹 .....J.13
Axial Holder Form C3 .....J.14
纵向反切右刀夹
Axial Holder Form C4.....J.15
纵向反切左刀夹
Rectangular Holder Form D1 .....J.16
多座刀夹
Rectangular Holder Form D2 .....J.17
多座反切刀夹 .....J.17
Boring Holder Form E1.....J.18
可转位浅孔钻刀夹
Boring Holder Form E2 .....J.21
镗孔刀夹
Boring Bar Holder Form E2S .....J.26
镗孔刀夹，开槽型
ER Collet Chuck Form E4 .....J.27
ER 刀柄
Double Boring Bar Holder, Right.....J.28
右侧双镗孔刀柄
Double Boring Bar Holder, Left.....J.28
左侧双镗孔刀柄
Morse Taper Adapter Form F.....J.29
带扁尾莫氏刀柄
Rectangular Blank Form A1 .....J.30
方形基础柄
Round Blank Form .....J.30
圆形基础柄
Cuting Off Tool Holder Right Height Adjustable .....J.31
短型横向切刀右刀夹
Cuting Off Tool Holder Left Height Adjustable .....J.31
短型横向切刀左刀夹
Cuting Off Tool Holder Inverted Right Height Adjustable .....J.32
短型横向切刀反切右刀夹
Cuting Off Tool Holder Inverted Left Height Adjustable .....J.32
短型横向切刀反切左刀夹
Protection Plug Form Z2.....J.33
保护塞





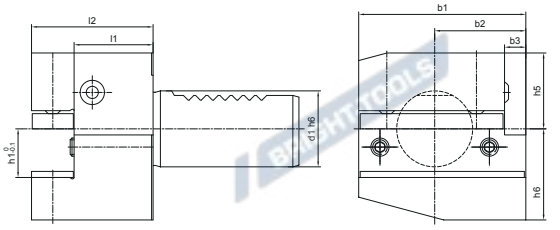




VDI

# Radial Holder Form B1 Right, Short
# 短型横向右刀夹






## Metric

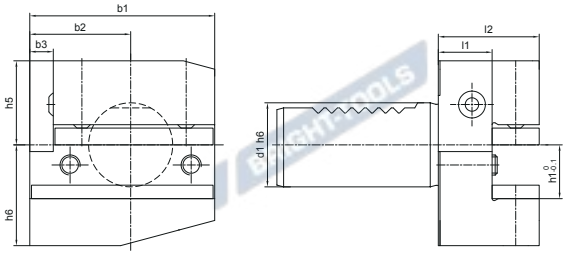
| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B1-16x12x24 | 16 | 42 | 23 | 5 | 12 | 20 | 22 | 13 | 24 |
| B1-16x12x34 | 16 | 42 | 23 | 5 | 12 | 20 | 22 | 23 | 34 |
| B1-20x16x30 | 20 | 55 | 30 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B1-20x16x40 | 20 | 55 | 30 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B1-25x16x30 | 25 | 55 | 30 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B1-25x16x40 | 25 | 55 | 30 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B1-30x20x40 | 30 | 70 | 35 | 10 | 20/16 | 28 | 38 | 22 | 40 |
| B1-30x20x60 | 30 | 70 | 35 | 10 | 20/16 | 28 | 38 | 42 | 60 |
| B1-40x25x44 | 40 | 85 | 42.5 | 12.5 | 25/20 | 32.5 | 48 | 22 | 44 |
| B1-50x32x55 | 50 | 100 | 50 | 16 | 32/25 | 35 | 60 | 30 | 55 |
| B1-60x32x60 | 60 | 125 | 62.5 | 16 | 32/25 | 42.5 | 62.5 | 30 | 60 |
| B1-80x40x75 | 80 | 160 | 80 | 20 | 40/32 | 55 | 80 | 40 | 75 |

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B1-20x5/8"x30 | 20 | 55 | 30 | 7 | 5/8" | 25 | 30 | 16 | 30 |
| B1-30x3/4"x40 | 30 | 70 | 35 | 10 | 3/4" | 28 | 38 | 22 | 40 |
| B1-40x1"x44 | 40 | 85 | 42.5 | 12.5 | 1" | 32.5 | 48 | 22 | 44 |
| B1-50x1-1/4"x55 | 50 | 100 | 50 | 16 | 1-1/4" | 35 | 60 | 30 | 55 |
| B1-60x1-1/4"x60 | 60 | 125 | 62.5 | 16 | 1-1/4" | 42.5 | 62.5 | 30 | 60 |

# Radial Holder Form B2 Left, Short
# 短型横向左刀夹






## Metric

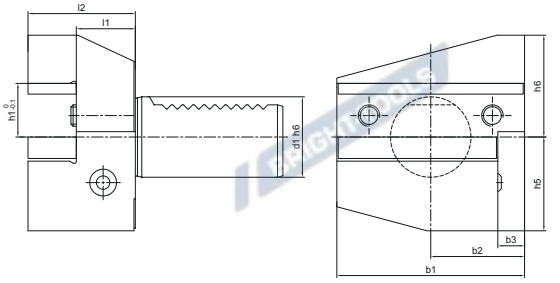
| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B2-16x12x24 | 16 | 42 | 23 | 5 | 12 | 20 | 22 | 13 | 24 |
| B2-16x12x34 | 16 | 42 | 23 | 5 | 12 | 20 | 22 | 23 | 34 |
| B2-20x16x30 | 20 | 55 | 30 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B2-20x16x40 | 20 | 55 | 30 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B2-25x16x30 | 25 | 55 | 30 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B2-25x16x40 | 25 | 55 | 30 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B2-30x20x40 | 30 | 70 | 35 | 10 | 20/16 | 28 | 38 | 22 | 40 |
| B2-30x20x60 | 30 | 70 | 35 | 10 | 20/16 | 28 | 38 | 42 | 60 |
| B2-40x25x44 | 40 | 85 | 42.5 | 12.5 | 25/20 | 32.5 | 48 | 22 | 44 |
| B2-50x32x55 | 50 | 100 | 50 | 16 | 32/25 | 35 | 60 | 30 | 55 |
| B2-60x32x60 | 60 | 125 | 62.5 | 16 | 32/25 | 42.5 | 62.5 | 30 | 60 |
| B2-80x40x75 | 80 | 160 | 80 | 20 | 40/32 | 55 | 80 | 40 | 75 |

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B2-20x5/8"x30 | 20 | 55 | 30 | 7 | 5/8" | 25 | 30 | 16 | 30 |
| B2-30x3/4"x40 | 30 | 70 | 35 | 10 | 3/4" | 28 | 38 | 22 | 40 |
| B2-40x1"x44 | 40 | 85 | 42.5 | 12.5 | 1" | 32.5 | 48 | 22 | 44 |
| B2-50x1-1/4"x55 | 50 | 100 | 50 | 16 | 1-1/4" | 35 | 60 | 30 | 55 |
| B2-60x1-1/4"x60 | 60 | 125 | 62.5 | 16 | 1-1/4" | 42.5 | 62.5 | 30 | 60 |

# Radial Holder Form B3 Inverted Right, Short
# 短型横向反切右刀夹






## Metric

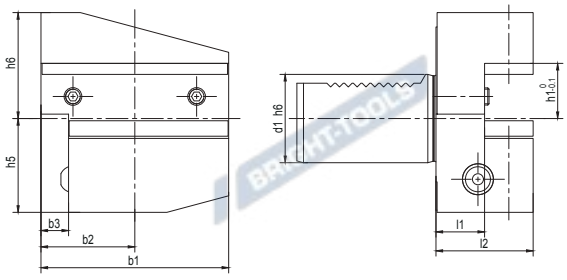
| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B3-16x12x24 | 16 | 42 | 23 | 5 | 12 | 20 | 22 | 13 | 24 |
| B3-16x12x34 | 16 | 42 | 23 | 5 | 12 | 20 | 22 | 23 | 34 |
| B3-20x16x30 | 20 | 55 | 30 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B3-20x16x40 | 20 | 55 | 30 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B3-25x16x30 | 25 | 55 | 30 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B3-25x16x40 | 25 | 55 | 30 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B3-30x20x40 | 30 | 70 | 35 | 10 | 20/16 | 35 | 38 | 22 | 40 |
| B3-30x20x60 | 30 | 70 | 35 | 10 | 20/16 | 35 | 38 | 42 | 60 |
| B3-40x25x44 | 40 | 85 | 42.5 | 12.5 | 25/20 | 42.5 | 48 | 22 | 44 |
| B3-50x32x55 | 50 | 100 | 50 | 16 | 32/25 | 50 | 60 | 30 | 55 |
| B3-60x32x60 | 60 | 125 | 62.5 | 16 | 32/25 | 62.5 | 62.5 | 30 | 60 |
| B3-80x40x75 | 80 | 160 | 80 | 20 | 40/32 | 80 | 80 | 40 | 75 |

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B3-20x5/8"x30 | 20 | 55 | 30 | 7 | 5/8" | 25 | 30 | 16 | 30 |
| B3-30x3/4"x40 | 30 | 70 | 35 | 10 | 3/4" | 35 | 38 | 22 | 40 |
| B3-40x1"x44 | 40 | 85 | 42.5 | 12.5 | 1" | 42.5 | 48 | 22 | 44 |
| B3-50x1-1/4"x55 | 50 | 100 | 50 | 16 | 1-1/4" | 50 | 60 | 30 | 55 |
| B3-60x1-1/4"x60 | 60 | 125 | 62.5 | 16 | 1-1/4" | 62.5 | 62.5 | 30 | 60 |

# Radial Holder Form B4 Inverted Left, Short
# 短型横向反切左刀夹






## Metric

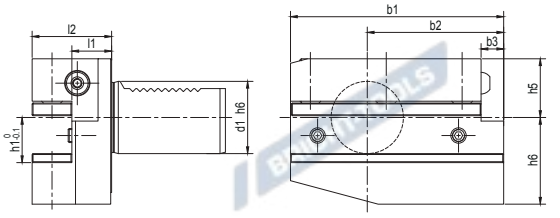
| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B4-16x12x24 | 16 | 42 | 23 | 5 | 12 | 20 | 22 | 13 | 24 |
| B4-16x12x34 | 16 | 42 | 23 | 5 | 12 | 20 | 22 | 23 | 34 |
| B4-20x16x30 | 20 | 55 | 30 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B4-20x16x40 | 20 | 55 | 30 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B4-25x16x30 | 25 | 55 | 30 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B4-25x16x40 | 25 | 55 | 30 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B4-30x20x40 | 30 | 70 | 35 | 10 | 20/16 | 35 | 38 | 22 | 40 |
| B4-30x20x60 | 30 | 70 | 35 | 10 | 20/16 | 35 | 38 | 42 | 60 |
| B4-40x25x44 | 40 | 85 | 42.5 | 12.5 | 25/20 | 42.5 | 48 | 22 | 44 |
| B4-50x32x55 | 50 | 100 | 50 | 16 | 32/25 | 50 | 60 | 30 | 55 |
| B4-60x32x60 | 60 | 125 | 62.5 | 16 | 32/25 | 62.5 | 62.5 | 30 | 60 |
| B4-80x40x75 | 80 | 160 | 80 | 20 | 40/32 | 80 | 80 | 40 | 75 |

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B4-20x5/8"x30 | 20 | 55 | 30 | 7 | 5/8" | 25 | 30 | 16 | 30 |
| B4-30x3/4"x40 | 30 | 70 | 35 | 10 | 3/4" | 35 | 38 | 22 | 40 |
| B4-40x1"x44 | 40 | 85 | 42.5 | 12.5 | 1" | 42.5 | 48 | 22 | 44 |
| B4-50x1-1/4"x55 | 50 | 100 | 50 | 16 | 1-1/4" | 50 | 60 | 30 | 55 |
| B4-60x1-1/4"x60 | 60 | 125 | 62.5 | 16 | 1-1/4" | 62.5 | 62.5 | 30 | 60 |

# Radial Holder Form B5 Right,Long
# 长型横向右刀夹






## Metric

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B5-16x12x24 | 16 | 58 | 39 | 5 | 12 | 20 | 22 | 13 | 24 |
| B5-16x12x34 | 16 | 58 | 39 | 5 | 12 | 20 | 22 | 23 | 34 |
| B5-20x16x30 | 20 | 75 | 50 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B5-20x16x40 | 20 | 75 | 50 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B5-25x16x30 | 25 | 75 | 50 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B5-25x16x40 | 25 | 75 | 50 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B5-30x20x40 | 30 | 100 | 65 | 10 | 20/16 | 28 | 38 | 22 | 40 |
| B5-30x20x60 | 30 | 100 | 65 | 10 | 20/16 | 28 | 38 | 42 | 60 |
| B5-40x25x44 | 40 | 118 | 75.5 | 12.5 | 25/20 | 32.5 | 48 | 22 | 44 |
| B5-50x32x55 | 50 | 130 | 80 | 16 | 32/25 | 35 | 60 | 30 | 55 |
| B5-60x32x60 | 60 | 145 | 82.5 | 16 | 32/25 | 42.5 | 62.5 | 30 | 60 |
| B5-80x40x75 | 80 | 190 | 110 | 20 | 40/32 | 55 | 80 | 40 | 75 |

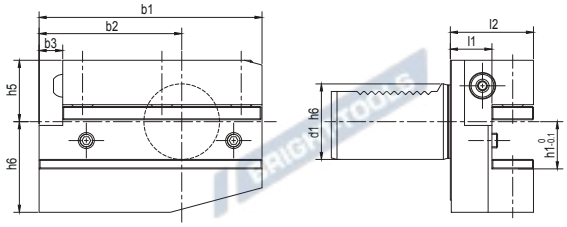
VDI

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B5-20x5/8"x30 | 20 | 75 | 50 | 7 | 5/8" | 25 | 30 | 16 | 30 |
| B5-30x3/4"x40 | 30 | 100 | 65 | 10 | 3/4" | 28 | 38 | 22 | 40 |
| B5-40x1"x44 | 40 | 118 | 75.5 | 12.5 | 1" | 32.5 | 48 | 22 | 44 |
| B5-50x1-1/4"x55 | 50 | 130 | 80 | 16 | 1-1/4" | 35 | 60 | 30 | 55 |
| B5-60x1-1/4"x60 | 60 | 145 | 82.5 | 16 | 1-1/4" | 42.5 | 62.5 | 30 | 60 |

# Radial Holder Form B6 Left, Long
# 长型横向左刀夹






## Metric

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B6-16x12x24 | 16 | 58 | 39 | 5 | 12 | 20 | 22 | 13 | 24 |
| B6-16x12x34 | 16 | 58 | 39 | 5 | 12 | 20 | 22 | 23 | 34 |
| B6-20x16x30 | 20 | 75 | 50 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B6-20x16x40 | 20 | 75 | 50 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B6-25x16x30 | 25 | 75 | 50 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B6-25x16x40 | 25 | 75 | 50 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B6-30x20x40 | 30 | 100 | 65 | 10 | 20/16 | 28 | 38 | 22 | 40 |
| B6-30x20x60 | 30 | 100 | 65 | 10 | 20/16 | 28 | 38 | 42 | 60 |
| B6-40x25x44 | 40 | 118 | 75.5 | 12.5 | 25/20 | 32.5 | 48 | 22 | 44 |
| B6-50x32x55 | 50 | 130 | 80 | 16 | 32/25 | 35 | 60 | 30 | 55 |
| B6-60x32x60 | 60 | 145 | 82.5 | 16 | 32/25 | 42.5 | 62.5 | 30 | 60 |
| B6-80x40x75 | 80 | 190 | 110 | 20 | 40/32 | 55 | 80 | 40 | 75 |

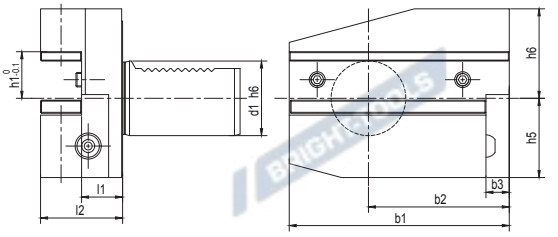
VDI

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B6-20x5/8"x30 | 20 | 75 | 50 | 7 | 5/8" | 25 | 30 | 16 | 30 |
| B6-30x3/4"x40 | 30 | 100 | 65 | 10 | 3/4" | 28 | 38 | 22 | 40 |
| B6-40x1"x44 | 40 | 118 | 75.5 | 12.5 | 1" | 32.5 | 48 | 22 | 44 |
| B6-50x1-1/4"x55 | 50 | 130 | 80 | 16 | 1-1/4" | 35 | 60 | 30 | 55 |
| B6-60x1-1/4"x60 | 60 | 145 | 82.5 | 16 | 1-1/4" | 42.5 | 62.5 | 30 | 60 |

# Radial Holder Form B7 Inverted Right,Long
# 长型横向反切右刀夹






## Metric

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B7-16x12x24 | 16 | 58 | 39 | 5 | 12 | 20 | 22 | 13 | 24 |
| B7-16x12x34 | 16 | 58 | 39 | 5 | 12 | 20 | 22 | 23 | 34 |
| B7-20x16x30 | 20 | 75 | 50 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B7-20x16x40 | 20 | 75 | 50 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B7-25x16x30 | 25 | 75 | 50 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B7-25x16x40 | 25 | 75 | 50 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B7-30x20x40 | 30 | 100 | 65 | 10 | 20/16 | 35 | 38 | 22 | 40 |
| B7-30x20x60 | 30 | 100 | 65 | 10 | 20/16 | 35 | 38 | 42 | 60 |
| B7-40x25x44 | 40 | 118 | 75.5 | 12.5 | 25/20 | 42.5 | 48 | 22 | 44 |
| B7-50x32x55 | 50 | 130 | 80 | 16 | 32/25 | 50 | 60 | 30 | 55 |
| B7-60x32x60 | 60 | 145 | 82.5 | 16 | 32/25 | 62.5 | 62.5 | 30 | 60 |
| B7-80x40x75 | 80 | 190 | 110 | 20 | 40/32 | 80 | 80 | 40 | 75 |

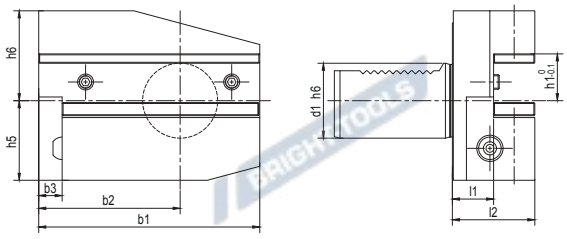
VDI

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B7-20x5/8"x30 | 20 | 75 | 50 | 7 | 5/8" | 25 | 30 | 16 | 30 |
| B7-30x3/4"x40 | 30 | 100 | 65 | 10 | 3/4" | 35 | 38 | 22 | 40 |
| B7-40x1"x44 | 40 | 118 | 75.5 | 12.5 | 1" | 42.5 | 48 | 22 | 44 |
| B7-50x1-1/4" x55 | 50 | 130 | 80 | 16 | 1-1/4" | 50 | 60 | 30 | 55 |
| B7-60x1-1/4" x60 | 60 | 145 | 82.5 | 16 | 1-1/4" | 62.5 | 62.5 | 30 | 60 |

# Radial Holder Form B8 Inverted Left, Long
# 长型横向反切左刀夹






## Metric

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B8-16x12x24 | 16 | 58 | 39 | 5 | 12 | 20 | 22 | 13 | 24 |
| B8-16x12x34 | 16 | 58 | 39 | 5 | 12 | 20 | 22 | 23 | 34 |
| B8-20x16x30 | 20 | 75 | 50 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B8-20x16x40 | 20 | 75 | 50 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B8-25x16x30 | 25 | 75 | 50 | 7 | 16/12 | 25 | 30 | 16 | 30 |
| B8-25x16x40 | 25 | 75 | 50 | 7 | 16/12 | 25 | 30 | 26 | 40 |
| B8-30x20x40 | 30 | 100 | 65 | 10 | 20/16 | 35 | 38 | 22 | 40 |
| B8-30x20x60 | 30 | 100 | 65 | 10 | 20/16 | 35 | 38 | 42 | 60 |
| B8-40x25x44 | 40 | 118 | 75.5 | 12.5 | 25/20 | 42.5 | 48 | 22 | 44 |
| B8-50x32x55 | 50 | 130 | 80 | 16 | 32/25 | 50 | 60 | 30 | 55 |
| B8-60x32x60 | 60 | 145 | 82.5 | 16 | 32/25 | 62.5 | 62.5 | 30 | 60 |
| B8-80x40x75 | 80 | 190 | 110 | 20 | 40/32 | 80 | 80 | 40 | 75 |

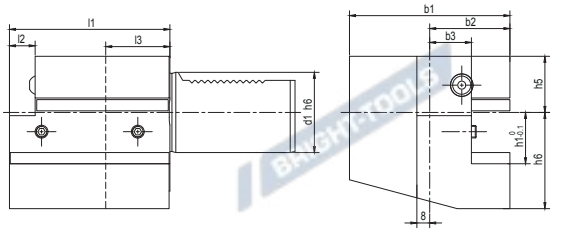
VDI

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|---|
| B8-20x5/8"x30 | 20 | 75 | 50 | 7 | 5/8" | 25 | 30 | 16 | 30 |
| B8-30x3/4"x40 | 30 | 100 | 65 | 10 | 3/4" | 35 | 38 | 22 | 40 |
| B8-40x1"x44 | 40 | 118 | 75.5 | 12.5 | 1" | 42.5 | 48 | 22 | 44 |
| B8-50x1-1/4" x55 | 50 | 130 | 80 | 16 | 1-1/4" | 50 | 60 | 30 | 55 |
| B8-60x1-1/4" x60 | 60 | 145 | 82.5 | 16 | 1-1/4" | 62.5 | 62.5 | 30 | 60 |

# Axial Holder Form C1 Right
# 纵向右刀夹






## Metric

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| C1-16x12x44 | 16 | 43 | 24 | 13 | 12 | 20 | 22 | 44 | 5 | 20 |
| C1-20x16x50 | 20 | 65 | 40 | 26 | 16/12 | 25 | 30 | 50 | - | 30 |
| C1-20x16x55 | 20 | 52 | 27 | 13 | 16/12 | 25 | 30 | 55 | 7 | 30 |
| C1-25x16x55 | 25 | 58 | 33 | 19 | 16/12 | 25 | 30 | 55 | 7 | 20 |
| C1-30x20x70 | 30 | 70 | 35 | 17 | 20/16 | 28 | 38 | 70 | 10 | 30 |
| C1-40x25x85 | 40 | 85 | 42.5 | 21 | 25/20 | 32.5 | 48 | 85 | 12.5 | 30 |
| C1-50x32x100 | 50 | 100 | 50 | 26 | 32/25 | 35 | 60 | 100 | 16 | 40 |
| C1-60x32x125 | 60 | 125 | 62.5 | 33 | 32/25 | 42.5 | 62.5 | 125 | 16 | 40 |
| C1-80x40x160 | 80 | 160 | 80 | 42 | 40/32 | 55 | 80 | 160 | 20 | 40 |

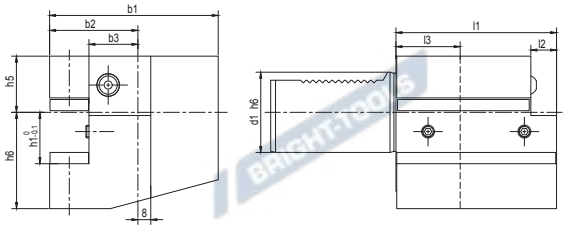
VDI

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| C1-20x5/8"x50 | 20 | 65 | 40 | 26 | 5/8" | 25 | 30 | 50 | - | 30 |
| C1-30x3/4"x70 | 30 | 70 | 35 | 17 | 3/4" | 28 | 38 | 70 | 10 | 30 |
| C1-40x1"x85 | 40 | 85 | 42.5 | 21 | 1" | 32.5 | 48 | 85 | 12.5 | 30 |
| C1-50x1-1/4" x100 | 50 | 100 | 50 | 26 | 1-1/4" | 35 | 60 | 100 | 16 | 40 |
| C1-60x1-1/4" x125 | 60 | 125 | 62.5 | 33 | 1-1/4" | 42.5 | 62.5 | 125 | 16 | 40 |

# Axial Holder Form C2 Left
# 纵向左刀夹






## Metric

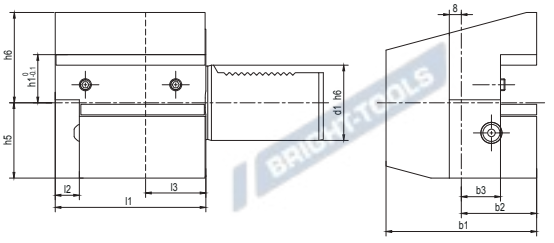
| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| C2-16x12x44 | 16 | 43 | 24 | 13 | 12 | 20 | 22 | 44 | 5 | 20 |
| C2-20x16x50 | 20 | 65 | 40 | 26 | 16/12 | 25 | 30 | 50 | - | 30 |
| C2-25x16x55 | 25 | 58 | 33 | 19 | 16/12 | 25 | 30 | 55 | 7 | 20 |
| C2-30x20x70 | 30 | 76 | 41 | 23 | 20/16 | 28 | 38 | 70 | 10 | 30 |
| C2-40x25x85 | 40 | 90 | 47.5 | 25.5 | 25/20 | 32.5 | 48 | 85 | 12.5 | 30 |
| C2-50x32x100 | 50 | 105 | 55 | 30.5 | 32/25 | 35 | 60 | 100 | 16 | 40 |
| C2-60x32x125 | 60 | 125 | 62.5 | 33 | 32/25 | 42.5 | 62.5 | 125 | 16 | 40 |
| C2-80x40x160 | 80 | 160 | 78 | 42 | 40/32 | 55 | 80 | 160 | 20 | 40 |

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| C2-20x5/8"x50 | 20 | 65 | 40 | 26 | 5/8" | 25 | 30 | 50 | - | 30 |
| C2-30x3/4"x70 | 30 | 76 | 41 | 23 | 3/4" | 28 | 38 | 70 | 10 | 30 |
| C2-40x1"x85 | 40 | 90 | 47.5 | 25.5 | 1" | 32.5 | 48 | 85 | 12.5 | 30 |
| C2-50x1-1/4" x100 | 50 | 105 | 55 | 30.5 | 1-1/4" | 35 | 60 | 100 | 16 | 40 |
| C2-60x1-1/4" x125 | 60 | 125 | 62.5 | 33 | 1-1/4" | 42.5 | 62.5 | 125 | 16 | 40 |

# Axial Holder Form C3 Inverted Right
# 纵向反切右刀夹






## Metric

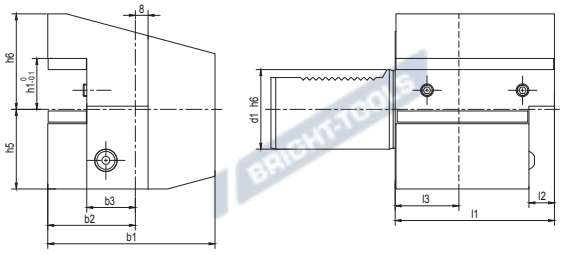
| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| C3-16x12x44 | 16 | 43 | 24 | 13 | 12 | 20 | 22 | 44 | 5 | 20 |
| C3-20x16x50 | 20 | 65 | 40 | 26 | 16/12 | 25 | 30 | 50 | - | 30 |
| C3-20x16x55 | 20 | 52 | 27 | 13 | 16/12 | 25 | 30 | 55 | 7 | 30 |
| C3-25x16x55 | 25 | 58 | 33 | 19 | 16/12 | 25 | 30 | 55 | 7 | 20 |
| C3-30x20x70 | 30 | 70 | 35 | 17 | 20/16 | 35 | 38 | 70 | 10 | 30 |
| C3-40x25x85 | 40 | 85 | 42.5 | 21 | 25/20 | 42.5 | 48 | 85 | 12.5 | 30 |
| C3-50x32x100 | 50 | 100 | 50 | 26 | 32/25 | 50 | 60 | 100 | 16 | 40 |
| C3-60x32x125 | 60 | 125 | 62.5 | 33 | 32/25 | 62.5 | 62.5 | 125 | 16 | 40 |
| C3-80x40x160 | 80 | 160 | 80 | 42 | 40/32 | 80 | 80 | 160 | 20 | 40 |

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| C3-20x5/8"x50 | 20 | 65 | 40 | 26 | 5/8" | 25 | 30 | 50 | - | 30 |
| C3-30x3/4"x70 | 30 | 70 | 35 | 17 | 3/4" | 35 | 38 | 70 | 10 | 30 |
| C3-40x1"x85 | 40 | 85 | 42.5 | 21 | 1" | 42.5 | 48 | 85 | 12.5 | 30 |
| C3-50x1-1/4"x100 | 50 | 100 | 50 | 26 | 1-1/4" | 50 | 60 | 100 | 16 | 40 |
| C3-60x1-1/4"x125 | 60 | 125 | 62.5 | 33 | 1-1/4" | 62.5 | 62.5 | 125 | 16 | 40 |

# Axial Holder Form C4 Inverted Left
# 纵向反切左刀夹






## Metric

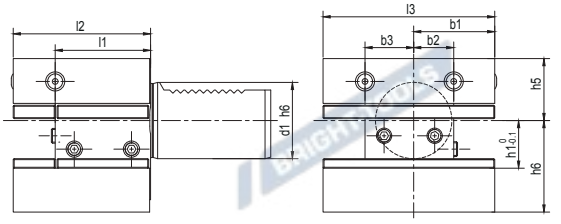
| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| C4-16x12x44 | 16 | 43 | 24 | 13 | 12 | 20 | 22 | 44 | 5 | 20 |
| C4-20x16x50 | 20 | 65 | 40 | 26 | 16/12 | 25 | 30 | 50 | - | 30 |
| C4-25x16x55 | 25 | 58 | 33 | 19 | 16/12 | 25 | 30 | 55 | 7 | 20 |
| C4-30x20x70 | 30 | 76 | 41 | 23 | 20/16 | 35 | 38 | 70 | 10 | 30 |
| C4-40x25x85 | 40 | 90 | 47.5 | 25.5 | 25/20 | 42.5 | 48 | 85 | 12.5 | 30 |
| C4-50x32x100 | 50 | 105 | 55 | 30.5 | 32/25 | 50 | 60 | 100 | 16 | 40 |
| C4-60x32x125 | 60 | 125 | 62.5 | 33 | 32/25 | 62.5 | 62.5 | 125 | 16 | 40 |
| C4-80x40x160 | 80 | 160 | 78 | 42 | 40/32 | 80 | 80 | 160 | 20 | 40 |

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| C4-20x5/8"x50 | 20 | 65 | 40 | 26 | 5/8" | 25 | 30 | 50 | - | 30 |
| C4-30x3/4"x70 | 30 | 76 | 41 | 23 | 3/4" | 35 | 38 | 70 | 10 | 30 |
| C4-40x1"x85 | 40 | 90 | 47.5 | 25.5 | 1" | 42.5 | 48 | 85 | 12.5 | 30 |
| C4-50x1-1/4"x100 | 50 | 105 | 55 | 30.5 | 1-1/4" | 50 | 60 | 100 | 16 | 40 |
| C4-60x1-1/4"x125 | 60 | 125 | 62.5 | 33 | 1-1/4" | 62.5 | 62.5 | 125 | 16 | 40 |

# Rectangular Holder with Multiple Seats Form D1
# 多座刀夹






## Metric

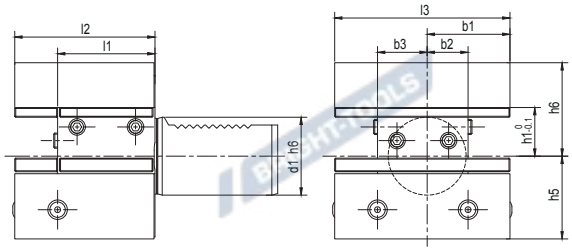
| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| D1-25x16x48 | 25 | 33 | 19 | 19 | 16/12 | 25 | 30 | 34 | 48 | 66 |
| D1-30x20x60 | 30 | 35 | 17 | 23 | 20/16 | 28 | 38 | 42 | 60 | 76 |
| D1-40x25x72 | 40 | 42.5 | 21 | 25.5 | 25/20 | 32.5 | 48 | 50 | 72 | 90 |
| D1-50x32x85 | 50 | 50 | 26 | 30.5 | 32/25 | 35 | 60 | 60 | 85 | 105 |
| D1-60x32x110 | 60 | 57.5 | 33 | 33 | 32/25 | 42.5 | 62.5 | 85 | 110 | 115 |
| D1-80x40x140 | 80 | 76 | 42 | 42 | 40/32 | 55 | 80 | 105 | 140 | 152 |

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| D1-30x3/4"x60 | 30 | 35 | 17 | 23 | 3/4" | 28 | 38 | 42 | 60 | 76 |
| D1-40x1"x72 | 40 | 42.5 | 21 | 25.5 | 1" | 32.5 | 48 | 50 | 72 | 90 |
| D1-50x1-1/4" x85 | 50 | 50 | 26 | 30.5 | 1-1/4" | 35 | 60 | 60 | 85 | 105 |
| D1-60x1-1/4" x110 | 60 | 57.5 | 33 | 33 | 1-1/4" | 42.5 | 62.5 | 85 | 110 | 115 |

# Rectangular Holder with Multiple Seats Form D2 Inverted
# 多座反切刀夹






## Metric

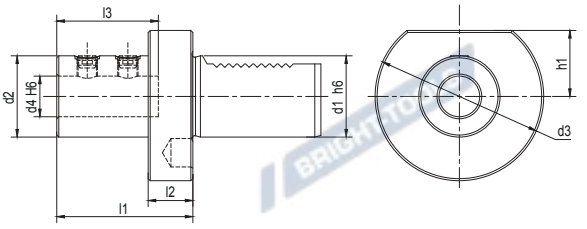
| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| D2-25x16x48 | 25 | 33 | 19 | 19 | 16/12 | 25 | 30 | 34 | 48 | 66 |
| D2-30x20x60 | 30 | 35 | 17 | 23 | 20/16 | 35 | 38 | 42 | 60 | 76 |
| D2-40x25x72 | 40 | 42.5 | 21 | 25.5 | 25/20 | 42.5 | 48 | 50 | 72 | 90 |
| D2-50x32x85 | 50 | 50 | 26 | 30.5 | 32/25 | 50 | 60 | 60 | 85 | 105 |
| D2-60x32x110 | 60 | 57.5 | 33 | 33 | 32/25 | 62.5 | 62.5 | 85 | 110 | 115 |
| D2-80x40x140 | 80 | 76 | 42 | 42 | 40/32 | 80 | 80 | 105 | 140 | 152 |

## Inch

| Size | d1 | b1 | b2 | b3 | h1 | h5 | h6 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|---|---|
| D2-30x3/4"x60 | 30 | 35 | 17 | 23 | 3/4" | 35 | 38 | 42 | 60 | 76 |
| D2-40x1"x72 | 40 | 42.5 | 21 | 25.5 | 1" | 42.5 | 48 | 50 | 72 | 90 |
| D2-50x1-1/4" x85 | 50 | 50 | 26 | 30.5 | 1-1/4" | 50 | 60 | 60 | 85 | 105 |
| D2-60x1-1/4" x110 | 60 | 57.5 | 33 | 33 | 1-1/4" | 62.5 | 62.5 | 85 | 110 | 115 |

# Boring Holder for Indexable Insert Drill Form E1
# 可转位浅孔钻刀夹



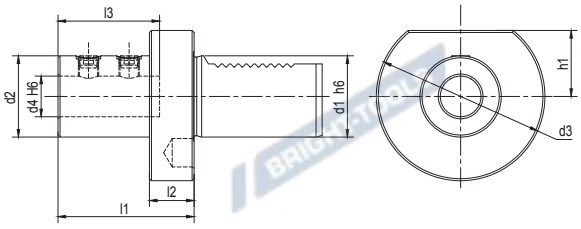



Metric

| Size | d1 | d2 | d3 | d4 | h1 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|
| E1-20x16 | 20 | 36 | 50 | 16 | - | 67 | 18 | 54 |
| E1-20x20 | 20 | 40 | 50 | 20 | - | 67 | 18 | 54 |
| E1-20x25 | 20 | 45 | 50 | 25 | - | 71 | 18 | 59 |
| | | | | | | | | |
| E1-25x16 | 25 | 36 | 58 | 16 | 25 | 67 | 18 | 54 |
| E1-25x20 | 25 | 40 | 58 | 20 | 25 | 67 | 18 | 54 |
| E1-25x25 | 25 | 45 | 58 | 25 | 25 | 71 | 18 | 59 |
| E1-25x32 | 25 | 52 | 58 | 32 | 25 | 75 | 18 | 63 |
| | | | | | | | | |
| E1-30x16 | 30 | 36 | 68 | 16 | 28 | 67 | 22 | 54 |
| E1-30x20 | 30 | 40 | 68 | 20 | 28 | 67 | 22 | 54 |
| E1-30x25 | 30 | 45 | 68 | 25 | 28 | 71 | 22 | 58 |
| E1-30x32 | 30 | 52 | 68 | 32 | 28 | 75 | 22 | 61 |
| E1-30x40 | 30 | 65 | 68 | 40 | 28 | 90 | 22 | 72 |
| | | | | | | | | |
| E1-40x16 | 40 | 36 | 83 | 16 | 32.5 | 67 | 22 | 54 |
| E1-40x20 | 40 | 40 | 83 | 20 | 32.5 | 67 | 22 | 54 |
| E1-40x25 | 40 | 45 | 83 | 25 | 32.5 | 75 | 22 | 59 |
| E1-40x32 | 40 | 52 | 83 | 32 | 32.5 | 75 | 22 | 61 |
| E1-40x40 | 40 | 65 | 83 | 40 | 32.5 | 90 | 22 | 73 |
| E1-40x50 | 40 | 75 | 83 | 50 | 32.5 | 100 | 22 | 83 |

# Boring Holder for Indexable Insert Drill Form E1
# 可转位浅孔钻刀夹



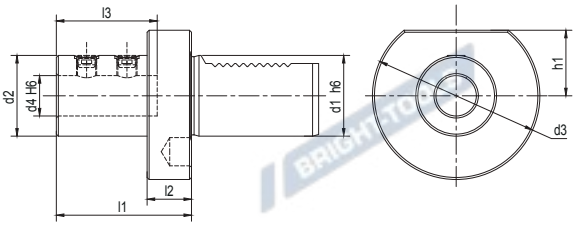



Metric

| Size | d1 | d2 | d3 | d4 | h1 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|
| E1-50x16 | 50 | 36 | 98 | 16 | 35 | 80 | 30 | 54 |
| E1-50x20 | 50 | 40 | 98 | 20 | 35 | 67 | 30 | 54 |
| E1-50x25 | 50 | 45 | 98 | 25 | 35 | 80 | 30 | 59 |
| E1-50x32 | 50 | 52 | 98 | 32 | 35 | 80 | 30 | 63 |
| E1-50x40 | 50 | 65 | 98 | 40 | 35 | 90 | 30 | 73 |
| E1-50x50 | 50 | 75 | 98 | 50 | 35 | 100 | 30 | 83 |
| | | | | | | | | |
| E1-60x16 | 60 | 36 | 123 | 16 | 42.5 | 80 | 30 | 54 |
| E1-60x20 | 60 | 40 | 123 | 20 | 42.5 | 80 | 30 | 54 |
| E1-60x25 | 60 | 45 | 123 | 25 | 42.5 | 80 | 30 | 59 |
| E1-60x32 | 60 | 52 | 123 | 32 | 42.5 | 80 | 30 | 63 |
| E1-60x40 | 60 | 65 | 123 | 40 | 42.5 | 90 | 30 | 73 |
| E1-60x50 | 60 | 75 | 123 | 50 | 42.5 | 100 | 30 | 83 |
| | | | | | | | | |
| E1-80x20 | 80 | 40 | 158 | 20 | 55 | 80 | 30 | 54 |
| E1-80x25 | 80 | 45 | 158 | 25 | 55 | 80 | 30 | 59 |
| E1-80x32 | 80 | 52 | 158 | 32 | 55 | 80 | 30 | 63 |
| E1-80x40 | 80 | 65 | 158 | 40 | 55 | 90 | 30 | 73 |
| E1-80x50 | 80 | 75 | 158 | 50 | 55 | 100 | 30 | 83 |

# Boring Holder for Indexable Insert Drill Form E1
# 可转位浅孔钻刀夹



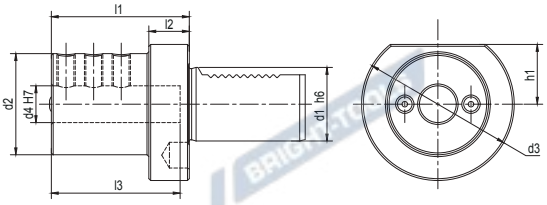



Inch

| Size | d1 | d2 | d3 | d4 | h1 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|
| E1-20x3/4" | 20 | 40 | 50 | 3/4" | - | 67 | 18 | 54 |
| E1-20x1" | 20 | 45 | 50 | 1" | - | 71 | 18 | 59 |
| E1-30x3/4" | 30 | 40 | 68 | 3/4" | 28 | 67 | 22 | 54 |
| E1-30x1" | 30 | 45 | 68 | 1" | 28 | 71 | 22 | 58 |
| E1-30x1-1/4" | 30 | 52 | 68 | 1-1/4" | 28 | 75 | 22 | 61 |
| E1-40x5/8" | 40 | 36 | 83 | 5/8" | 32.5 | 67 | 22 | 54 |
| E1-40x3/4" | 40 | 40 | 83 | 3/4" | 32.5 | 67 | 22 | 54 |
| E1-40x1" | 40 | 45 | 83 | 1" | 32.5 | 75 | 22 | 59 |
| E1-40x1-1/4" | 40 | 52 | 83 | 1-1/4" | 32.5 | 75 | 22 | 61 |
| E1-40x1-1/2" | 40 | 65 | 83 | 1-1/2" | 32.5 | 90 | 22 | 73 |
| E1-50x3/4" | 50 | 40 | 98 | 3/4" | 35 | 80 | 30 | 54 |
| E1-50x1" | 50 | 45 | 98 | 1" | 35 | 80 | 30 | 59 |
| E1-50x1-1/4" | 50 | 52 | 98 | 1-1/4" | 35 | 80 | 30 | 63 |
| E1-50x1-1/2" | 50 | 65 | 98 | 1-1/2" | 35 | 90 | 30 | 73 |
| E1-50x2" | 50 | 75 | 98 | 2" | 35 | 100 | 30 | 83 |

# Boring Holder Form E2
# 镗孔刀夹



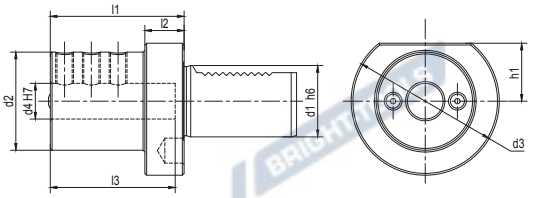



## Metric

| Size | d1 | d2 | d3 | d4 | h1 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|
| E2-16x6 | 16 | 32 | 40 | 6 | 18 | 44 | 13 | 34 |
| E2-16x8 | 16 | 32 | 40 | 8 | 18 | 44 | 13 | 34 |
| E2-16x10 | 16 | 32 | 40 | 10 | 18 | 44 | 13 | 34 |
| E2-16x12 | 16 | 40 | 40 | 12 | 18 | 44 | 13 | 34 |
| E2-16x16 | 16 | 40 | 40 | 16 | 18 | 44 | 13 | 34 |
| | | | | | | | | |
| E2-20x6 | 20 | 40 | 50 | 6 | 23 | 50 | 18 | 42 |
| E2-20x8 | 20 | 40 | 50 | 8 | 23 | 50 | 18 | 42 |
| E2-20x10 | 20 | 40 | 50 | 10 | 23 | 50 | 18 | 42 |
| E2-20x12 | 20 | 40 | 50 | 12 | 23 | 50 | 18 | 42 |
| E2-20x16 | 20 | 42 | 50 | 16 | 23 | 50 | 18 | 42 |
| E2-20x20 | 20 | 49 | 50 | 20 | 23 | 50 | 18 | 42 |
| E2-20x25 | 20 | 49 | 50 | 25 | 23 | 60 | 18 | 52 |
| | | | | | | | | |
| E2-25x8 | 25 | 40 | 58 | 8 | 25 | 50 | 18 | 41 |
| E2-25x10 | 25 | 40 | 58 | 10 | 25 | 50 | 18 | 41 |
| E2-25x12 | 25 | 40 | 58 | 12 | 25 | 50 | 18 | 41 |
| E2-25x16 | 25 | 40 | 58 | 16 | 25 | 50 | 18 | 41 |
| E2-25x20 | 25 | 58 | 58 | 20 | 25 | 50 | 18 | 41 |
| E2-25x25 | 25 | 58 | 58 | 25 | 25 | 60 | 18 | 51 |
| E2-25x32 | 25 | 58 | 58 | 32 | 25 | 75 | 18 | 62 |

# Boring Holder Form E2
# 镗孔刀夹



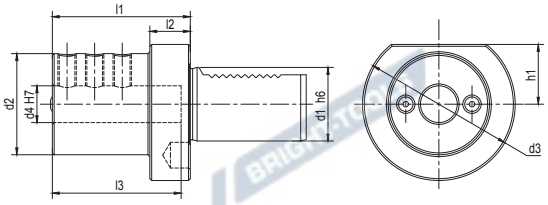



Metric

| Size | d1 | d2 | d3 | d4 | h1 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|
| E2-30x6 | 30 | 55 | 68 | 6 | 28 | 60 | 22 | 43 |
| E2-30x8 | 30 | 55 | 68 | 8 | 28 | 60 | 22 | 43 |
| E2-30x10 | 30 | 55 | 68 | 10 | 28 | 60 | 22 | 43 |
| E2-30x12 | 30 | 55 | 68 | 12 | 28 | 60 | 22 | 43 |
| E2-30x16 | 30 | 55 | 68 | 16 | 28 | 60 | 22 | 55 |
| E2-30x20 | 30 | 55 | 68 | 20 | 28 | 60 | 22 | 54 |
| E2-30x25 | 30 | 55 | 68 | 25 | 28 | 60 | 22 | 54 |
| E2-30x30 | 30 | 67 | 68 | 30 | 28 | 75 | 22 | 61 |
| E2-30x32 | 30 | 67 | 68 | 32 | 28 | 75 | 22 | 61 |
| | | | | | | | | |
| E2-40x8 | 40 | 55 | 83 | 8 | 32.5 | 75 | 22 | 43 |
| E2-40x10 | 40 | 55 | 83 | 10 | 32.5 | 75 | 22 | 43 |
| E2-40x12 | 40 | 55 | 83 | 12 | 32.5 | 75 | 22 | 58 |
| E2-40x16 | 40 | 55 | 83 | 16 | 32.5 | 75 | 22 | 61 |
| E2-40x20 | 40 | 55 | 83 | 20 | 32.5 | 75 | 22 | 61 |
| E2-40x25 | 40 | 55 | 83 | 25 | 32.5 | 75 | 22 | 61 |
| E2-40x30 | 40 | 82 | 83 | 30 | 32.5 | 75 | 22 | 61 |
| E2-40x32 | 40 | 82 | 83 | 32 | 32.5 | 75 | 22 | 61 |
| E2-40x40 | 40 | 82 | 83 | 40 | 32.5 | 90 | 22 | 76 |
| | | | | | | | | |
| E2-50x12 | 50 | 68 | 98 | 12 | 35 | 90 | 30 | 71 |
| E2-50x16 | 50 | 68 | 98 | 16 | 35 | 90 | 30 | 76 |
| E2-50x20 | 50 | 68 | 98 | 20 | 35 | 90 | 30 | 76 |
| E2-50x25 | 50 | 68 | 98 | 25 | 35 | 90 | 30 | 76 |
| E2-50x30 | 50 | 69 | 98 | 30 | 35 | 90 | 30 | 76 |
| E2-50x32 | 50 | 69 | 98 | 32 | 35 | 90 | 30 | 76 |
| E2-50x40 | 50 | 98 | 98 | 40 | 35 | 90 | - | 76 |
| E2-50x50 | 50 | 98 | 98 | 50 | 35 | 100 | - | 86 |

# Boring Holder Form E2
# 镗孔刀夹



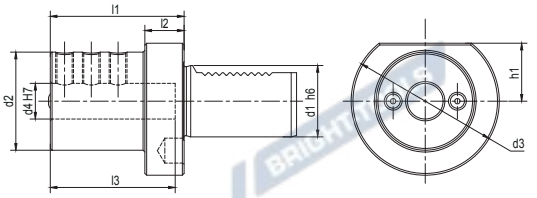



## Metric

| Size | d1 | d2 | d3 | d4 | h1 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|
| E2-60x16 | 60 | 68 | 123 | 16 | 42.5 | 90 | 30 | 76 |
| E2-60x20 | 60 | 68 | 123 | 20 | 42.5 | 90 | 30 | 76 |
| E2-60x25 | 60 | 68 | 123 | 25 | 42.5 | 90 | 30 | 76 |
| E2-60x30 | 60 | 68 | 123 | 30 | 42.5 | 90 | 30 | 76 |
| E2-60x32 | 60 | 68 | 123 | 32 | 42.5 | 90 | 30 | 76 |
| E2-60x40 | 60 | 98 | 123 | 40 | 42.5 | 90 | 30 | 76 |
| E2-60x50 | 60 | 98 | 123 | 50 | 42.5 | 100 | 30 | 86 |
| | | | | | | | | |
| E2-80x20 | 80 | 68 | 158 | 20 | 55 | 100 | 30 | 86 |
| E2-80x25 | 80 | 68 | 158 | 25 | 55 | 100 | 30 | 86 |
| E2-80x32 | 80 | 68 | 158 | 32 | 55 | 100 | 30 | 86 |
| E2-80x40 | 80 | 98 | 158 | 40 | 55 | 100 | 30 | 86 |
| E2-80x50 | 80 | 98 | 158 | 50 | 55 | 100 | 30 | 92 |
| E2-80x60 | 80 | 98 | 158 | 60 | 55 | 100 | 30 | 92 |

# Boring Holder Form E2
# 镗孔刀夹



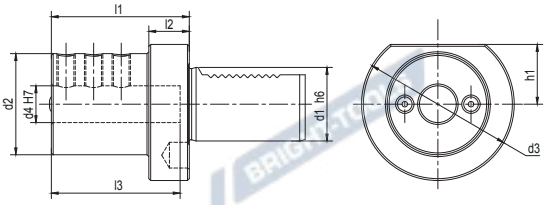



Inch

| Size | d1 | d2 | d3 | d4 | h1 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|
| E2-20x5/16" | 20 | 40 | 50 | 5/16" | 23 | 50 | 18 | 42 |
| E2-20x3/8" | 20 | 40 | 50 | 3/8" | 23 | 50 | 18 | 42 |
| E2-20x1/2" | 20 | 40 | 50 | 1/2" | 23 | 50 | 18 | 42 |
| E2-20x5/8" | 20 | 40 | 50 | 5/8" | 23 | 50 | 18 | 42 |
| E2-20x3/4" | 20 | 45 | 50 | 3/4" | 23 | 50 | 18 | 42 |
| E2-20x1" | 20 | 50 | 50 | 1" | 23 | 60 | 18 | 52 |
| | | | | | | | | |
| E2-30x5/16" | 30 | 55 | 68 | 5/16" | 28 | 60 | 22 | 43 |
| E2-30x3/8" | 30 | 55 | 68 | 3/8" | 28 | 60 | 22 | 43 |
| E2-30x1/2" | 30 | 55 | 68 | 1/2" | 28 | 60 | 22 | 43 |
| E2-30x5/8" | 30 | 55 | 68 | 5/8" | 28 | 60 | 22 | 55 |
| E2-30x3/4" | 30 | 55 | 68 | 3/4" | 28 | 60 | 22 | 54 |
| E2-30x1" | 30 | 55 | 68 | 1" | 28 | 60 | 22 | 54 |
| E2-30x1-1/4" | 30 | 67 | 68 | 1-1/4" | 28 | 75 | 22 | 61 |
| | | | | | | | | |
| E2-40x3/8" | 40 | 55 | 83 | 3/8" | 32.5 | 75 | 22 | 43 |
| E2-40x1/2" | 40 | 55 | 83 | 1/2" | 32.5 | 75 | 22 | 58 |
| E2-40x5/8" | 40 | 55 | 83 | 5/8" | 32.5 | 75 | 22 | 61 |
| E2-40x3/4" | 40 | 55 | 83 | 3/4" | 32.5 | 75 | 22 | 61 |
| E2-40x1" | 40 | 55 | 83 | 1" | 32.5 | 75 | 22 | 61 |
| E2-40x1-1/4" | 40 | 82 | 83 | 1-1/4" | 32.5 | 75 | 22 | 61 |
| E2-40x1-1/2" | 40 | 82 | 83 | 1-1/2" | 32.5 | 90 | 22 | 76 |

# Boring Holder Form E2
# 镗孔刀夹





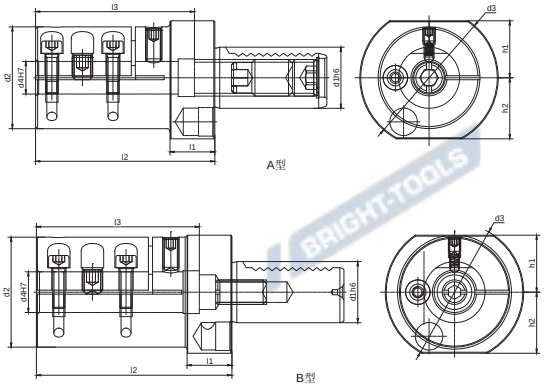

Inch

| Size | d1 | d2 | d3 | d4 | h1 | l1 | l2 | l3 |
|---|---|---|---|---|---|---|---|---|
| E2-50x1/2" | 50 | 68 | 98 | 1/2" | 35 | 90 | 30 | 71 |
| E2-50x5/8" | 50 | 68 | 98 | 5/8" | 35 | 90 | 30 | 76 |
| E2-50x3/4" | 50 | 68 | 98 | 3/4" | 35 | 90 | 30 | 76 |
| E2-50x1" | 50 | 68 | 98 | 1" | 35 | 90 | 30 | 76 |
| E2-50x1-1/4" | 50 | 69 | 98 | 1-1/4" | 35 | 90 | 30 | 76 |
| E2-50x1-1/2" | 50 | 98 | 98 | 1-1/2" | 35 | 90 | - | 76 |
| E2-50x2" | 50 | 98 | 98 | 2" | 35 | 100 | - | 86 |
| | | | | | | | | |
| E2-60x5/8" | 60 | 68 | 123 | 5/8" | 42.5 | 90 | 30 | 76 |
| E2-60x3/4" | 60 | 68 | 123 | 3/4" | 42.5 | 90 | 30 | 76 |
| E2-60x1" | 60 | 68 | 123 | 1" | 42.5 | 90 | 30 | 76 |
| E2-60x1-1/4" | 60 | 68 | 123 | 1-1/4" | 42.5 | 90 | 30 | 76 |
| E2-60x1-1/2" | 60 | 98 | 123 | 1-1/2" | 42.5 | 90 | 30 | 76 |
| E2-60x2" | 60 | 98 | 123 | 2" | 42.5 | 100 | 30 | 86 |

# Boring Bar Holder Form E2S

## 镗孔刀夹，开槽型



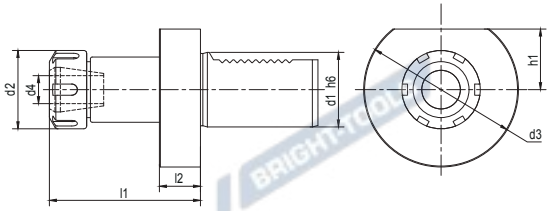


Inch

| Size | d1 | d2 | d3 | d4 | h1 | h2 | l1 | l2 | l3 | T |
|---|---|---|---|---|---|---|---|---|---|---|
| E2S-30x6 | 30 | 32 | 68 | 6 | 28 | - | 22 | 75 | 65 | A |
| E2S-30x8 | 30 | 34 | 68 | 8 | 28 | - | 22 | 75 | 65 | A |
| E2S-30x10 | 30 | 38 | 68 | 10 | 28 | - | 22 | 75 | 65 | A |
| E2S-30x12 | 30 | 38 | 68 | 12 | 28 | - | 22 | 75 | 65 | A |
| E2S-30x16 | 30 | 50 | 68 | 16 | 28 | 30 | 22 | 88 | 78 | A |
| E2S-30x20 | 30 | 54 | 68 | 20 | 28 | 30 | 22 | 96 | 80 | B |
| E2S-30x25 | 30 | 57 | 68 | 25 | 28 | 30 | 22 | 112 | 100 | B |
| E2S-30x32 | 30 | 65 | 68 | 32 | - | 30 | 22 | 142 | 128 | B |
| E2S-30x40 | 30 | 65 | 68 | 40 | 28 | - | 22 | 75 | 67 | B |
| E2S-40x6 | 40 | 32 | 83 | 6 | 32.5 | - | 22 | 75 | 65 | A |
| E2S-40x8 | 40 | 34 | 83 | 8 | 32.5 | - | 22 | 75 | 65 | A |
| E2S-40x10 | 40 | 38 | 83 | 10 | 32.5 | - | 22 | 75 | 65 | A |
| E2S-40x12 | 40 | 38 | 83 | 12 | 32.5 | - | 22 | 75 | 65 | A |
| E2S-40x16 | 40 | 50 | 83 | 16 | 32.5 | - | 22 | 88 | 78 | A |
| E2S-40x20 | 40 | 54 | 83 | 20 | 32.5 | - | 22 | 96 | 85 | A |
| E2S-40x25 | 40 | 58 | 83 | 25 | 32.5 | - | 22 | 112 | 100 | B |
| E2S-40x32 | 40 | 63 | 83 | 32 | 32.5 | - | 22 | 142 | 128 | B |
| E2S-40x40 | 40 | 73 | 83 | 40 | 32.5 | - | 22 | 174 | 150 | B |
| E2S-50x16 | 50 | 50 | 98 | 16 | 35 | - | 30 | 103 | 93 | A |
| E2S-50x20 | 50 | 54 | 98 | 20 | 35 | - | 30 | 103 | 94 | A |
| E2S-50x25 | 50 | 59 | 98 | 25 | 35 | - | 30 | 120 | 108 | A |
| E2S-50x32 | 50 | 65 | 98 | 32 | 35 | - | 30 | 150 | 128 | B |
| E2S-50x40 | 50 | 73 | 98 | 40 | 35 | - | 30 | 182 | 160 | B |
| E2S-50x50 | 50 | 83 | 98 | 50 | 35 | - | 30 | 182 | 160 | B |
| E2S-60x25 | 60 | 59 | 123 | 25 | 42.5 | - | 30 | 120 | 108 | A |
| E2S-60x32 | 60 | 65 | 123 | 32 | 42.5 | - | 30 | 150 | 138 | A |
| E2S-60x40 | 60 | 73 | 123 | 40 | 42.5 | - | 30 | 182 | 160 | B |
| E2S-60x50 | 60 | 76 | 123 | 50 | 42.5 | - | 30 | 202 | 180 | B |
| E2S-60x60 | 60 | 96 | 123 | 60 | 42.5 | - | 30 | 202 | 180 | B |

# ER Collet Chuck Form E4
# ER 夹头刀柄

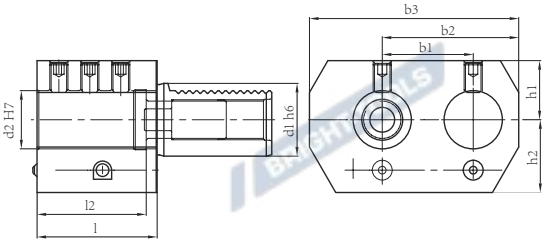





| Size | d1 | d2 | d3 | d4 | h1 | l1 | l2 |
|---|---|---|---|---|---|---|---|
| E4-16xER16 | 16 | 32 | 40 | 1-10 | 18 | 44 | 13 |
| E4-16xER20 | 16 | 35 | 40 | 1-13 | 18 | 44 | 13 |
| E4-20xER16 | 20 | 32 | 50 | 1-10 | - | 44 | 18 |
| E4-20xER20 | 20 | 35 | 50 | 1-13 | - | 59 | 18 |
| E4-20xER25 | 20 | 42 | 50 | 2-16 | - | 65 | 18 |
| E4-20xER32 | 20 | 50 | 50 | 2-20 | - | 67 | 18 |
| E4-25xER16 | 25 | 32 | 58 | 1-10 | 25 | 44 | 18 |
| E4-25xER25 | 25 | 42 | 58 | 2-16 | 25 | 58 | 18 |
| E4-25xER32 | 25 | 50 | 58 | 2-20 | 25 | 63 | 18 |
| | | | | | | | |
| E4-30xER16 | 30 | 32 | 68 | 1-10 | 28 | 48 | 22 |
| E4-30xER20 | 30 | 35 | 68 | 1-13 | 28 | 59 | 22 |
| E4-30xER25 | 30 | 42 | 68 | 2-16 | 28 | 57 | 22 |
| E4-30xER32 | 30 | 50 | 68 | 2-20 | 28 | 78 | 22 |
| E4-30xER40 | 30 | 63 | 68 | 3-26 | 28 | 80 | 22 |
| E4-40xER20 | 40 | 35 | 83 | 1-13 | 32.5 | 59 | 22 |
| E4-40xER25 | 40 | 42 | 83 | 2-16 | 32.5 | 57 | 22 |
| E4-40xER32 | 40 | 50 | 83 | 2-20 | 32.5 | 78 | 22 |
| E4-40xER40 | 40 | 63 | 83 | 3-26 | 32.5 | 80 | 22 |
| | | | | | | | |
| E4-50xER25 | 50 | 42 | 98 | 2-16 | 35 | 67 | 30 |
| E4-50xER32 | 50 | 50 | 98 | 2-20 | 35 | 92 | 30 |
| E4-50xER40 | 50 | 63 | 98 | 3-26 | 35 | 80 | 30 |
| E4-60xER32 | 60 | 50 | 123 | 2-20 | 42.5 | 78 | 30 |
| E4-60xER40 | 60 | 63 | 123 | 3-26 | 42.5 | 80 | 30 |
| E4-80xER40 | 80 | 63 | 158 | 3-26 | 55 | 100 | 40 |

## Double Boring Bar Holder, Right
## 右侧双镗孔刀柄

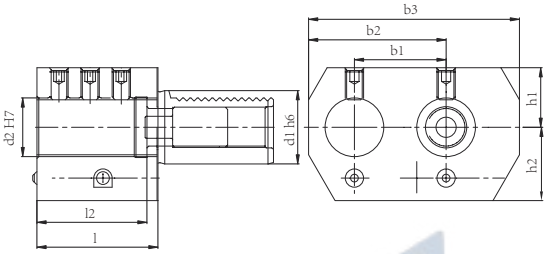





| Size | d1 | d2 | h1 | h2 | l1 | l2 | b1 | b2 | b3 |
|---|---|---|---|---|---|---|---|---|---|
| E7-20x16 | 20 | 16 | 25 | 25 | 45 | 42 | 32 | 51 | 76 |
| E7-20x20 | 20 | 20 | 25 | 25 | 45 | 42 | 32 | 51 | 76 |
| E7-30x25 | 30 | 25 | 28 | 32 | 56 | 52 | 45 | 65 | 95 |
| E7-40x32 | 40 | 32 | 32.5 | 40 | 66 | 60 | 50 | 75 | 115 |
| E7-50x32 | 50 | 32 | 32.5 | 47.5 | 66 | 60 | 50 | 75 | 115 |
| E7-50x50 | 50 | 50 | 35 | 49 | 90 | 80 | 68 | 103 | 152 |

## Double Boring Bar Holder, Left
## 左侧双镗孔刀柄

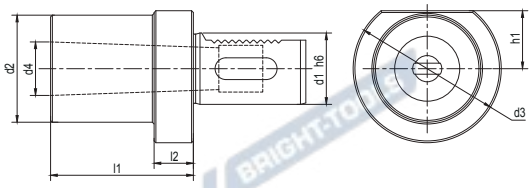





| Size | d1 | d2 | h1 | h2 | l1 | l2 | b1 | b2 | b3 |
|---|---|---|---|---|---|---|---|---|---|
| E8-20x16 | 20 | 16 | 25 | 25 | 45 | 42 | 32 | 51 | 76 |
| E8-20x20 | 20 | 20 | 25 | 25 | 45 | 42 | 32 | 51 | 76 |
| E8-30x25 | 30 | 25 | 28 | 32 | 56 | 52 | 45 | 65 | 95 |
| E8-40x32 | 40 | 32 | 32.5 | 40 | 66 | 60 | 50 | 75 | 115 |
| E8-50x32 | 50 | 32 | 32.5 | 47.5 | 66 | 60 | 50 | 75 | 115 |
| E8-50x50 | 50 | 50 | 35 | 49 | 90 | 80 | 68 | 103 | 152 |

# Morse Taper Adapter Form F
# 带扁尾莫氏刀柄

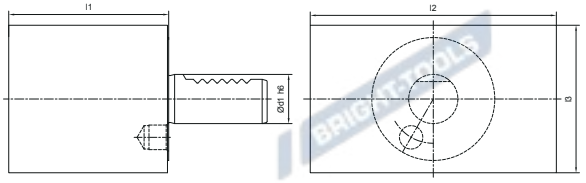





| Size | d1 | d2 | d3 | MK | d4 | h1 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|
| F-30xMT1 | 30 | - | 68 | 1 | 12.065 | 28 | 27 | - |
| F-30xMT2 | 30 | 55 | 68 | 2 | 17.78 | 28 | 36 | 27 |
| F-30xMT3 | 30 | 55 | 68 | 3 | 23.825 | 28 | 66 | 41 |
| | | | | | | | | |
| F-40xMT1 | 40 | 55 | 83 | 1 | 12.065 | 32.5 | 23 | 22 |
| F-40xMT2 | 40 | 55 | 83 | 2 | 17.78 | 32.5 | 36 | 22 |
| F-40xMT3 | 40 | 58 | 83 | 3 | 23.825 | 32.5 | 36 | 22 |
| F-40xMT4 | 40 | 68 | 83 | 4 | 31.267 | 32.5 | 80 | 22 |
| | | | | | | | | |
| F-50xMT2 | 50 | 55 | 98 | 2 | 17.78 | 35 | 36 | 30 |
| F-50xMT3 | 50 | 58 | 98 | 3 | 23.825 | 35 | 45 | 30 |
| F-50xMT4 | 50 | 68 | 98 | 4 | 31.267 | 35 | 55 | 30 |
| F-50xMT5 | 50 | 75 | 98 | 5 | 44.399 | 35 | 168 | - |
| | | | | | | | | |
| F-60xMT2 | 60 | 55 | 123 | 2 | 17.78 | 42.5 | 35 | 30 |
| F-60xMT3 | 60 | 58 | 123 | 3 | 23.825 | 42.5 | 45 | 30 |
| F-60xMT4 | 60 | 68 | 123 | 4 | 31.267 | 42.5 | 55 | 30 |
| F-60xMT5 | 60 | 98 | 123 | 5 | 44.399 | 42.5 | 64 | 30 |

## Rectangular Soft Blank Form A1
## 方形基础柄

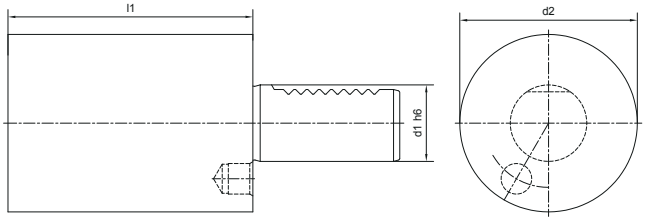





| Size | d1 | l1 | l2 | l3 |
|---|---|---|---|---|
| A1-16x44 | 16 | 44 | 78 | 44 |
| A1-20x65 | 20 | 65 | 100 | 60 |
| A1-25x75 | 25 | 75 | 100 | 60 |
| A1-30x85 | 30 | 85 | 130 | 76 |
| A1-40x100 | 40 | 100 | 151 | 96 |
| A1-50x125 | 50 | 125 | 160 | 120 |
| A1-60x160 | 60 | 160 | 165 | 125 |
| A1-80x200 | 80 | 200 | 220 | 160 |

## Round Soft Blank Form A2
## 圆形基础柄

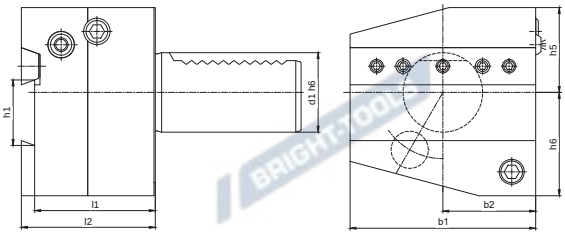





| Size | d1 | d2 | l1 |
|---|---|---|---|
| A2-16x60 | 16 | 40 | 60 |
| A2-20x70 | 20 | 50 | 70 |
| A2-25x80 | 25 | 58 | 80 |
| A2-25x200 | 25 | 58 | 200 |
| A2-30x100 | 30 | 68 | 100 |
| A2-30x240 | 30 | 68 | 240 |
| A2-40x120 | 40 | 83 | 120 |
| A2-40x320 | 40 | 83 | 320 |
| A2-50x135 | 50 | 98 | 135 |
| A2-50x400 | 50 | 98 | 400 |
| A2-60x150 | 60 | 123 | 150 |
| A2-60x480 | 60 | 123 | 480 |
| A2-80x500 | 80 | 158 | 500 |

## Cutting Off Tool Holder Right Height Adjustable
## 短型横向切刀右刀夹

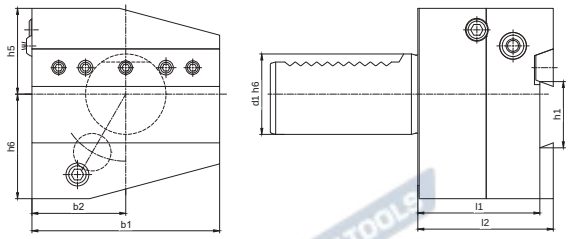





| Size | d1 | b1 | b2 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|
| AR2026 | 20 | 60 | 30 | 26 | 28 | 36 | 44 | 50 |
| AR2526 | 25 | 60 | 30 | 26 | 28 | 36 | 44 | 50 |
| AR3026 | 30 | 70 | 35 | 26 | 32 | 39 | 44 | 50 |
| AR4026 | 40 | 85 | 42.5 | 26 | 43 | 41.5 | 44 | 50 |
| AR4032 | 40 | 85 | 42.5 | 32 | 43 | 41.5 | 44 | 50 |
| AR5026 | 50 | 100 | 50 | 26 | 43 | 45 | 44 | 50 |
| AR5032 | 50 | 100 | 50 | 32 | 43 | 45 | 44 | 50 |
| AR6032 | 60 | 125 | 62.5 | 32 | 48 | 55 | 44 | 50 |

## Cutting Off Tool Holder Left Height Adjustable
## 短型横向切刀左刀夹

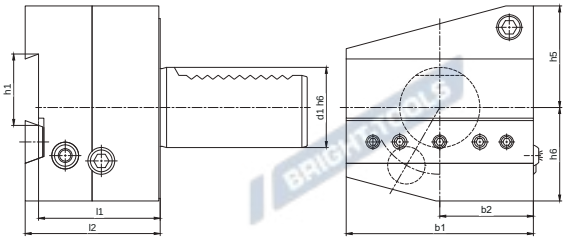





| Size | d1 | b1 | b2 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|
| AL2026 | 20 | 60 | 30 | 26 | 28 | 36 | 44 | 50 |
| AL2526 | 25 | 60 | 30 | 26 | 32 | 36 | 44 | 50 |
| AL3026 | 30 | 70 | 35 | 26 | 32 | 39 | 44 | 50 |
| AL4026 | 40 | 85 | 42.5 | 26 | 43 | 41.5 | 44 | 50 |
| AL4032 | 40 | 85 | 42.5 | 32 | 43 | 41.5 | 44 | 50 |
| AL5026 | 50 | 100 | 50 | 26 | 43 | 45 | 44 | 50 |
| AL5032 | 50 | 100 | 50 | 32 | 43 | 45 | 44 | 50 |
| AL6032 | 60 | 125 | 62.5 | 32 | 48 | 55 | 44 | 50 |

## Cuting Off Tool Holder Inverted Right Height Adjustable
## 短型横向切刀反切右刀夹

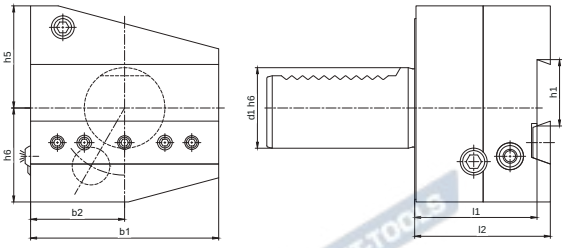





| Size | d1 | b1 | b2 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|
| ARU2526 | 25 | 60 | 30 | 26 | 36 | 28 | 44 | 50 |
| ARU3026 | 30 | 70 | 35 | 26 | 38 | 35 | 44 | 50 |
| ARU4026 | 40 | 85 | 42.5 | 26 | 43 | 41.5 | 44 | 50 |
| ARU4032 | 40 | 85 | 42.5 | 32 | 43 | 41.5 | 44 | 50 |
| ARU5026 | 50 | 100 | 50 | 26 | 43 | 45 | 44 | 50 |
| ARU5032 | 50 | 100 | 50 | 32 | 43 | 45 | 44 | 50 |
| ARU6032 | 60 | 125 | 62.5 | 32 | 48 | 55 | 44 | 50 |

## Cuting Off Tool Holder Inverted Left Height Adjustable
## 短型横向切刀反切左刀夹

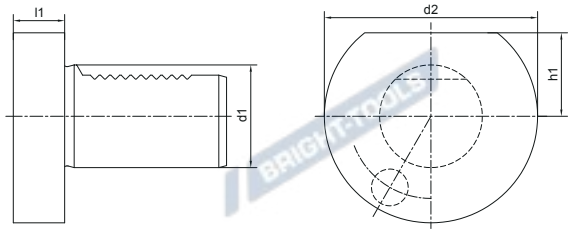





| Size | d1 | b1 | b2 | h1 | h5 | h6 | l1 | l2 |
|---|---|---|---|---|---|---|---|---|
| ALU2526 | 25 | 60 | 30 | 26 | 36 | 28 | 44 | 50 |
| ALU3026 | 30 | 70 | 35 | 26 | 38 | 35 | 44 | 50 |
| ALU4026 | 40 | 85 | 42.5 | 26 | 43 | 41.5 | 44 | 50 |
| ALU4032 | 40 | 85 | 42.5 | 32 | 43 | 41.5 | 44 | 50 |
| ALU5026 | 50 | 100 | 50 | 26 | 43 | 45 | 44 | 50 |
| ALU5032 | 50 | 100 | 50 | 32 | 43 | 45 | 44 | 50 |
| ALU6032 | 60 | 125 | 62.5 | 32 | 48 | 55 | 44 | 50 |

# Protection Plug Form Z2
# 保护塞






Steel Plug

| Size | d1 | d2 | h1 | l1 |
|---|---|---|---|---|
| Z2-16x13S | 16 | 40 | 18 | 13 |
| Z2-20x16S | 20 | 50 | 23 | 16 |
| Z2-25x16S | 25 | 58 | 25 | 16 |
| Z2-30x16S | 30 | 68 | 28 | 16 |
| Z2-40x20S | 40 | 83 | 32.5 | 20 |
| Z2-50x20S | 50 | 98 | 35 | 20 |
| Z2-60x20S | 60 | 123 | 42.5 | 20 |

Plastic Plug

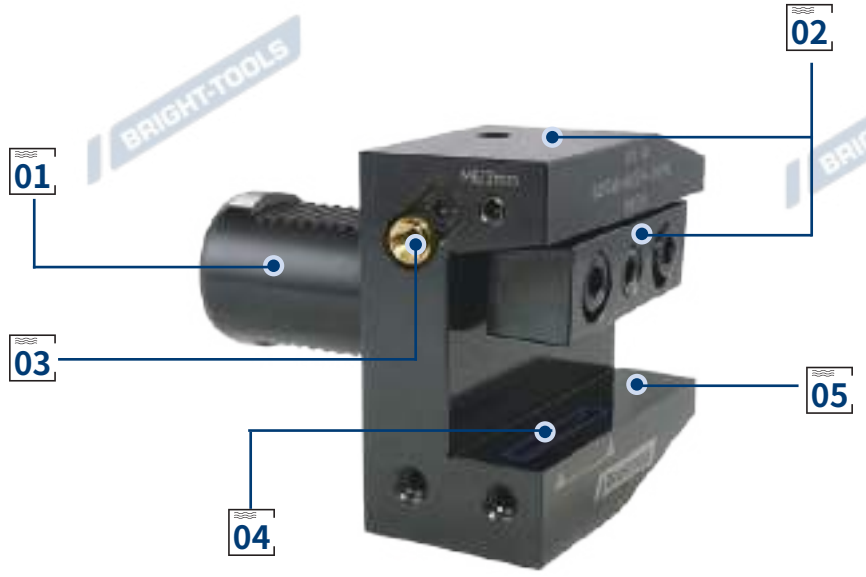
| Size | d1 | d2 | h1 | l1 |
|---|---|---|---|---|
| Z2-16x13P | 16 | 40 | 18 | 13 |
| Z2-20x16P | 20 | 50 | 23 | 16 |
| Z2-25x16P | 25 | 58 | 25 | 16 |
| Z2-30x16P | 30 | 68 | 28 | 16 |
| Z2-40x20P | 40 | 83 | 32.5 | 20 |
| Z2-50x20P | 50 | 98 | 35 | 20 |
| Z2-60x20P | 60 | 123 | 42.5 | 20 |

BRIGHT-TOOLS

TOOL HOLDERS

# VDI Coolant

# VDI Tool Holders with High Pressure Coolant Channels
# VDI 内冷型




**01** VDI Shank

**02** Compression Structure
Two Types, Standard Shim and Wedge Clamping

**03** External Cooling Outlet
Adjustable, extra cooling tube can be added.

**04** Internal Cooling Slot
A long coolant outlet slot for internal cooling, enables to adjust the tool's protrusion.

**05** Tool Holder Clamping Base
Shim can be ordered separately, used for small size tool holder.

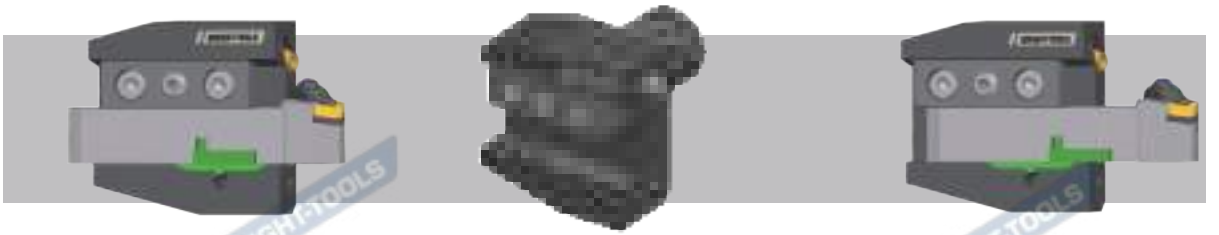
**01** 安装柄
经久耐用，一柄两用

**02** 压紧结构
常规压板和楔形压紧两种结构

**03** 球形可调式冷却液喷口
外冷却出水孔可任意方向调节，可配套安装加长冷却管

**04** 内冷槽
可通过刀杆直接将冷却液输送至刀片

**05** 刀杆安装基面
可加装垫片用于适应小一号刀杆



# VDI COOLANT TOOLING SYSTEM
# VDI COOLANT 工具系统

B1A Radial, Short, Coolant.....J.38
短型横向右刀夹，内冷型
B2A Radial, Short, Coolant.....J.38
短型横向左刀夹，内冷型
B3A Radial, Short, Coolant .....J.39
短型横向反切右刀夹，内冷型
B4A Radial, Short, Coolant .....J.39
短型横向反切左刀夹，内冷型
B1B4A Radial, Short, Coolant.....J.40
短型横向右(反切左)刀夹，内冷型
B1B4AK Radial, Short, Coolant, Wedge Clamping Holders.....J.40
短型横向右(反切左)刀夹，内冷型，楔形压紧
B2B3A Radial, Short, Coolant.....J.41
短型横向左(反切右)刀夹，内冷型
B2B3AK Radial, Short, Coolant, Wedge Clamping Holders.....J.41
短型横向左(反切右)刀夹，内冷型，楔形压紧
B5AK Radial, Long, Coolant, Wedge Clamping Holders .....J.42
长型横向右刀夹，内冷型，楔形压紧
B6AK Radial, Long, Coolant, Wedge Clamping Holders .....J.42
长型横向左刀夹，内冷型，楔形压紧
B7AK Radial, Long, Coolant, Wedge Clamping Holders .....J.43
长型横向反切右刀夹，内冷型，楔形压紧
C1C4A Axial, Coolant.....J.43
纵向右(反切左)刀夹，内冷型
C1C4AK Axial, Coolant, Wedge Clamping Holders.....J.44
纵向右(反切左)刀夹，内冷型，楔形压紧
C2C3A Axial, Coolant.....J.44
纵向左(反切右)刀夹，内冷型
C2C3AK Axial, Coolant, Wedge Clamping Holders.....J.45
纵向左(反切右)刀夹，内冷型，楔形压紧
D1D2A Rectangular Holder, Coolant.....J.45
多座刀夹，内冷型
ARALU Cuting Off Tool Holder, Coolant.....J.46
短型横向切刀右(反切左)刀夹，内冷型
ALARU Cuting Off Tool Holder, Coolant.....J.46
短型横向切刀左(反切右)刀夹，内冷型



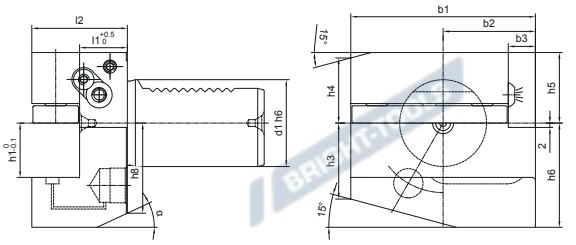






## B1A Radial, Short, Coolant
## 短型横向右刀夹 , 内冷型



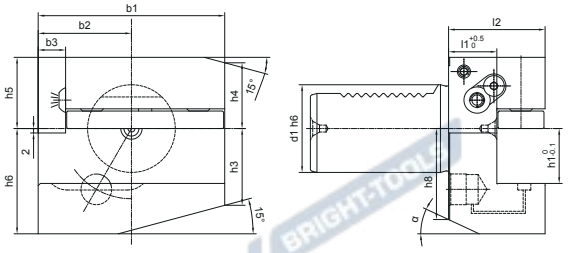



| Size | b1 | b2 | b3 | l1 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| B1A-161234 | 42 | 23 | 5 | 23 | 15 | 15 | 20 | 22 | 19 | 30° |
| B1A-201640 | 55 | 30 | 7 | 26 | 19 | 19 | 25 | 30 | 23 | 30° |
| B1A-252040 | 70 | 35 | 10 | 22 | 26 | 22 | 28 | 38 | 30 | 25° |
| B1A-302040 | 70 | 35 | 10 | 22 | 26 | 22 | 28 | 38 | 30 | 25° |
| B1A-402544 | 85 | 42.5 | 12.5 | 22 | 35 | 30 | 32.5 | 48 | 43 | 30° |
| B1A-502544 | 85 | 42.5 | 12.5 | 22 | 43 | 30 | 32.5 | 48 | 43 | 30° |

VDI

## B2A Radial, Short, Coolant
## 短型横向左刀夹 , 内冷型

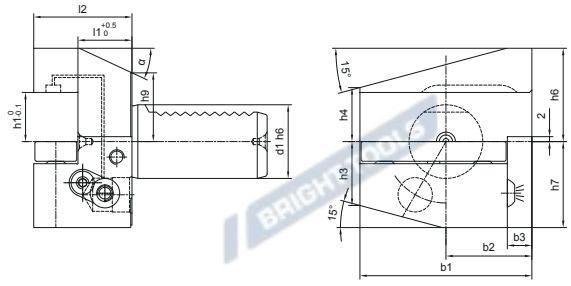





| Size | b1 | b2 | b3 | l1 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| B2A-161234 | 42 | 23 | 5 | 23 | 15 | 15 | 20 | 22 | 19 | 30° |
| B2A-201640 | 55 | 30 | 7 | 26 | 19 | 19 | 25 | 30 | 23 | 30° |
| B2A-252040 | 70 | 35 | 10 | 22 | 29.5 | 22 | 28 | 38 | 30 | 25° |
| B2A-302040 | 70 | 35 | 10 | 22 | 26 | 22 | 28 | 38 | 30 | 25° |
| B2A-402544 | 85 | 42.5 | 12.5 | 22 | 35 | 30 | 32.5 | 48 | 43 | 30° |
| B2A-502544 | 85 | 42.5 | 12.5 | 22 | 35 | 30 | 32.5 | 48 | 43 | 30° |

## B3A Radial, Short, Coolant
## 短型横向反切右刀夹，内冷型

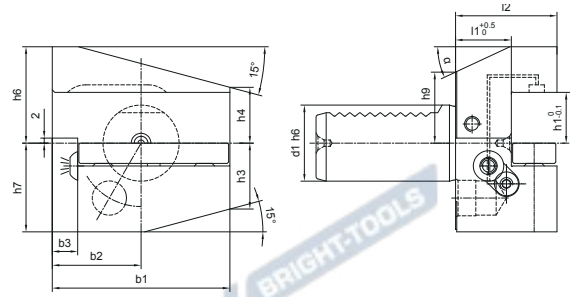





| Size | b1 | b2 | b3 | l1 | h3 | h4 | h6 | h7 | h9 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| B3A-161234 | 42 | 23 | 5 | 23 | 15 | 15 | 22 | 20 | 19 | 30° |
| B3A-201640 | 55 | 30 | 7 | 26 | 19 | 19 | 30 | 25 | 23 | 30° |
| B3A-302040 | 70 | 35 | 10 | 22 | 26 | 22 | 38 | 35 | 28 | 25° |
| B3A-402544 | 85 | 42.5 | 12.5 | 22 | 35 | 30 | 48 | 42.5 | 43 | 30° |
| B3A-502544 | 85 | 42.5 | 12.5 | 22 | 35 | 30 | 48 | 42.5 | 43 | 30° |

## B4A Radial, Short, Coolant
## 短型横向反切左刀夹，内冷型

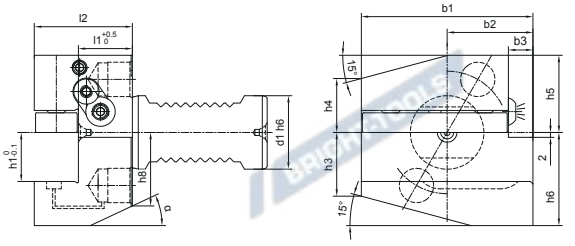





| Size | b1 | b2 | b3 | l1 | h3 | h4 | h6 | h7 | h9 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| B4A-161234 | 42 | 23 | 5 | 23 | 15 | 15 | 22 | 20 | 19 | 30° |
| B4A-201640 | 55 | 30 | 7 | 26 | 19 | 19 | 30 | 25 | 23 | 30° |
| B4A-302040 | 70 | 35 | 10 | 22 | 26 | 22 | 38 | 35 | 28 | 25° |
| B4A-402544 | 85 | 42.5 | 12.5 | 22 | 35 | 30 | 48 | 42.5 | 43 | 30° |
| B4A-502544 | 85 | 42.5 | 12.5 | 22 | 35 | 30 | 48 | 42.5 | 43 | 30° |

## B1B4A Radial, Short, Coolant
## 短型横向右 ( 反切左 ) 刀夹 , 内冷型



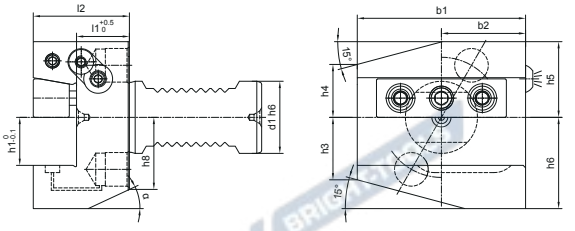



| Size | b1 | b2 | b3 | l1 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| B1B4A-302040 | 70 | 35 | 10 | 22 | 26 | 22 | 31.5 | 38 | 30 | 25° |
| B1B4A-402544 | 85 | 42.5 | 12.5 | 22 | 35 | 30 | 38 | 48 | 43 | 30° |
| B1B4A-502544 | 85 | 42.5 | 12.5 | 22 | 43 | 30 | 43 | 48 | 43 | 30° |



## B1B4AK Radial, Short, Coolant, Wedge Clamping Holders
## 短型横向右 ( 反切左 ) 刀夹 , 内冷型 , 楔形压紧

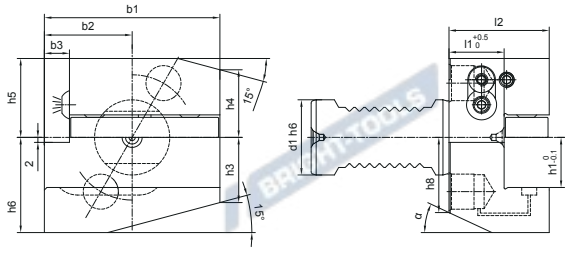





| Size | b1 | b2 | b3 | l1 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| B1B4AK-302040 | 70 | 35 | - | 22 | 26 | 22 | 31.5 | 38 | 30 | 25° |
| B1B4AK-402544 | 85 | 42.5 | - | 22 | 35 | 30 | 38 | 48 | 43 | 30° |
| B1B4AK-502544 | 85 | 42.5 | - | 22 | 43 | 30 | 43 | 48 | 43 | 30° |

## B2B3A Radial, Short, Coolant
## 短型横向左 ( 反切右 ) 刀夹 , 内冷型

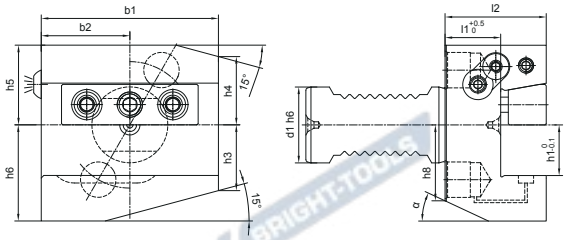





| Size | b1 | b2 | b3 | l1 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| B2B3A-302040 | 70 | 35 | 10 | 22 | 26 | 27 | 31.5 | 38 | 30 | 25° |
| B2B3A-402544 | 85 | 42.5 | 12.5 | 22 | 35 | 30 | 38 | 48 | 43 | 30° |
| B2B3A-502544 | 85 | 42.5 | 12.5 | 22 | 35 | 38 | 43 | 48 | 43 | 30° |

## B2B3AK Radial, Short, Coolant, Wedge Clamping Holders
## 短型横向左 ( 反切右 ) 刀夹 , 内冷型 , 楔形压紧



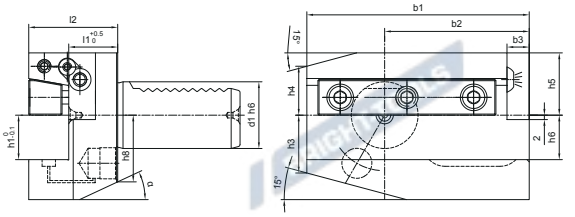



| Size | b1 | b2 | b3 | l1 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| B2B3AK-302040 | 70 | 35 | - | 22 | 26 | 27 | 31.5 | 38 | 30 | 25° |
| B2B3AK-402544 | 85 | 42.5 | - | 22 | 35 | 30 | 38 | 48 | 43 | 30° |
| B2B3AK-502544 | 85 | 42.5 | - | 22 | 35 | 38 | 43 | 48 | 43 | 30° |

VDI

## B5AK Radial, Long, Coolant, Wedge Clamping Holders
## 长型横向右刀夹 , 内冷型 , 楔形压紧

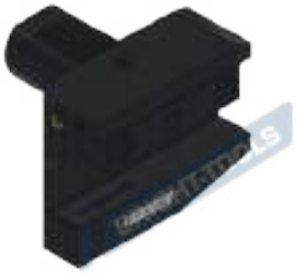


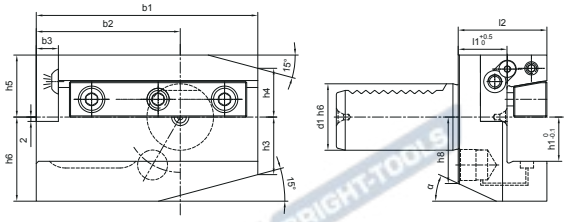


| Size | b1 | b2 | b3 | l1 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| B5AK-302040 | 100 | 65 | 10 | 22 | 26 | 22 | 28 | 38 | 30 | 25° |
| B5AK-402544 | 118 | 75.5 | 12.5 | 22 | 35 | 30 | 32.5 | 48 | 43 | 30° |
| B5AK-503255 | 130 | 80 | 16 | 30 | 42 | 35 | 35 | 60 | 55 | 30° |
| B5AK-603260 | 145 | 82.5 | 16 | 30 | 46 | 42.5 | 42.5 | 62.5 | 57 | 30° |

VDI

## B6AK Radial, Long, Coolant, Wedge Clamping Holders
## 长型横向左刀夹 , 内冷型 , 楔形压紧

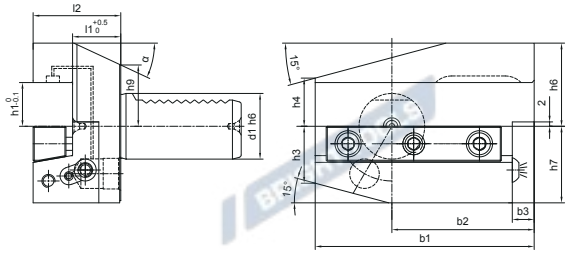




| Size | b1 | b2 | b3 | l1 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| B6AK-302040 | 100 | 65 | 10 | 22 | 26 | 22 | 28 | 38 | 30 | 25° |
| B6AK-402544 | 118 | 75.5 | 12.5 | 22 | 35 | 30 | 32.5 | 48 | 43 | 30° |
| B6AK-503255 | 130 | 80 | 16 | 30 | 42 | 35 | 35 | 60 | 55 | 30° |
| B6AK-603260 | 145 | 82.5 | 16 | 30 | 46 | 42.5 | 42.5 | 62.5 | 57 | 30° |

## B7AK Radial, Long, Coolant, Wedge Clamping Holders
## 长型横向反切右刀夹 , 内冷型 , 楔形压紧

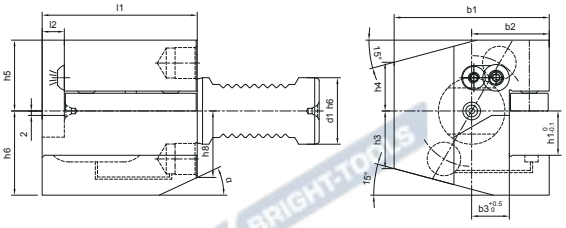





| Size | b1 | b2 | b3 | l1 | h3 | h4 | h6 | h7 | h9 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| B7AK-302040 | 100 | 65 | 10 | 22 | 26 | 22 | 38 | 35 | 28° | 25° |
| B7AK-402544 | 118 | 75.5 | 12.5 | 22 | 35 | 30 | 48 | 42.5 | 43 | 30° |
| B7AK-503255 | 130 | 80 | 16 | 30 | 42 | 35 | 60 | 50 | 55 | 30° |
| B7AK-603260 | 145 | 82.5 | 16 | 30 | 46 | 42.5 | 62.5 | 62.5 | 57 | 30° |

## C1C4A Axial, Coolant
## 纵向右 ( 反切左 ) 刀夹 , 内冷型



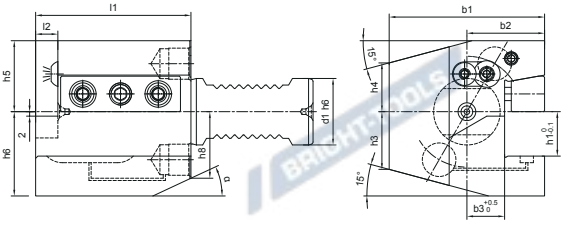



| Size | b1 | b2 | b3 | l2 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| C1C4A-161244 | 43 | 24 | 13 | 5 | 15 | 15 | 24 | 20 | 19 | 30° |
| C1C4A-201655 | 52 | 27 | 13 | 7 | 19 | 19 | 25 | 30 | 23 | 30° |
| C1C4A-252025 | 58 | 33 | 15 | 7 | 26 | 26 | 28 | 36 | 28 | 15° |
| C1C4A-302070 | 70 | 35 | 17 | 10 | 26 | 22 | 32 | 38 | 30 | 25° |
| C1C4A-402585 | 85 | 42.5 | 21 | 12.5 | 35 | 30 | 38 | 48 | 40 | 15° |
| C1C4A-502585 | 90.5 | 48 | 26 | 12.5 | 42 | 35 | 44 | 48 | 43 | 30° |

VDI

## C1C4AK Axial, Coolant, Wedge Clamping Holders
## 纵向右 ( 反切左 ) 刀夹 , 内冷型 , 楔形压紧



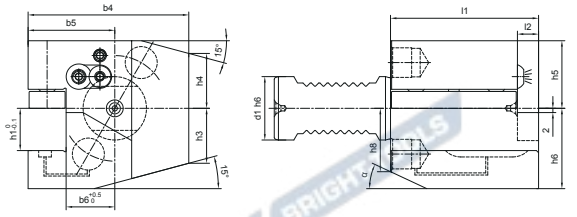



| Size | b1 | b2 | b3 | l2 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| C1C4AK-302070 | 70 | 35 | 17 | 10 | 26 | 22 | 32 | 38 | 30 | 25˚ |
| C1C4AK-402585 | 85 | 42.5 | 21 | 12.5 | 35 | 30 | 38 | 48 | 40 | 15˚ |
| C1C4AK-502585 | 90.5 | 48 | 26 | 12.5 | 42 | 35 | 44 | 48 | 43 | 30° |

VDI

## C2C3A Axial, Coolant
## 纵向左 ( 反切右 ) 刀夹 , 内冷型

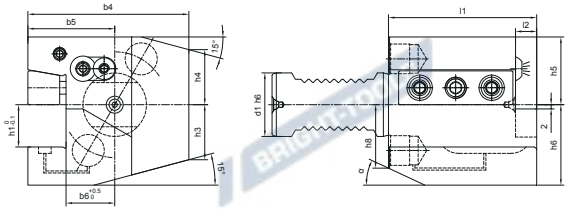





| Size | b4 | b5 | b6 | l2 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| C2C3A-161244 | 43 | 24 | 13 | 5 | 15 | 15 | 20 | 24 | 19 | 30˚ |
| C2C3A-201655 | 58 | 33 | 19 | 7 | 19 | 19 | 25 | 30 | 23 | 30˚ |
| C2C3A-252055 | 62 | 37 | 19 | 7 | 26 | 26 | 28 | 36 | 28 | 15˚ |
| C2C3A-302070 | 76 | 41 | 23 | 10 | 26 | 26 | 32 | 38 | 30 | 25˚ |
| C2C3A-402585 | 90 | 47.5 | 25.5 | 12.5 | 35 | 30 | 38 | 48 | 40 | 15˚ |
| C2C3A-502585 | 95 | 52.5 | 30.5 | 12.5 | 42 | 37 | 44 | 48 | 43 | 30° |

## C2C3AK Axial, Coolant, Wedge Clamping Holders
## 纵向左 ( 反切右 ) 刀夹 , 内冷型 , 楔形压紧

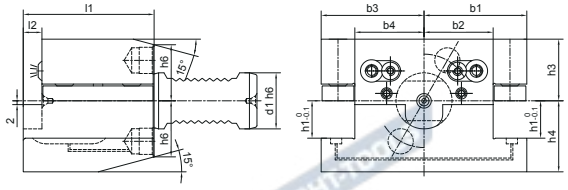




| Size | b4 | b5 | b6 | l2 | h3 | h4 | h5 | h6 | h8 | α |
|---|---|---|---|---|---|---|---|---|---|---|
| C2C3AK-302070 | 76 | 41 | 23 | 10 | 26 | 26 | 32 | 38 | 30 | 25° |
| C2C3AK-402585 | 90 | 47.5 | 25.5 | 12.5 | 35 | 30 | 38 | 48 | 40 | 15° |
| C2C3AK-502585 | 95 | 52.5 | 30.5 | 12.5 | 42 | 37 | 44 | 48 | 43 | 30° |

## D1D2A Rectangular Holder, Coolant
## 多座刀夹 , 内冷型

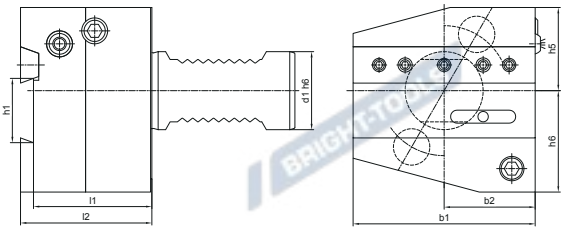




| Size | b1 | b2 | b3 | b4 | h3 | h4 | h6 | l2 | α |
|---|---|---|---|---|---|---|---|---|---|
| D1D2A-252055 | 37 | 19 | 37 | 19 | 28 | 38 | 28 | 7 | 15° |
| D1D2A-302070 | 55 | 37 | 55 | 37 | 33 | 38 | 30 | 10 | 15° |
| D1D2A-402585 | 65 | 43 | 65 | 43 | 43.5 | 48 | 37 | 12.5 | 15° |

## ARALU Cuting Off Tool Holder, Coolant
## 短型横向切刀右 ( 反切左 ) 刀夹 , 内冷型



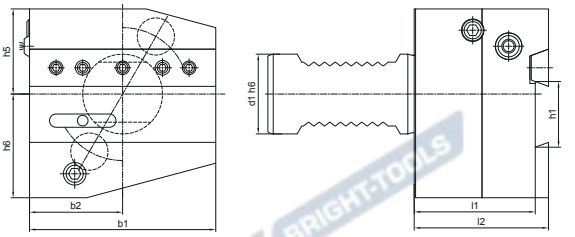



| Size | l1 | l2 | b1 | b2 | h5 | h6 |
|---|---|---|---|---|---|---|
| ARALUA-2526 | 44 | 50 | 60 | 30 | 28 | 36 |
| ARALUA-3026 | 44 | 50 | 70 | 35 | 32 | 37 |
| ARALUA-3032 | 44 | 50 | 85 | 42.5 | 32 | 40 |
| ARALUA-4026 | 44 | 50 | 85 | 42.5 | 43 | 40 |
| ARALUA-4032 | 44 | 50 | 85 | 42.5 | 43 | 40 |
| ARALUA-5032 | 44 | 50 | 100 | 50 | 43 | 45 |

VDI

## ALARU Cuting Off Tool Holder, Coolant
## 短型横向切刀左 ( 反切右 ) 刀夹 , 内冷型






| Size | l1 | l2 | b1 | b2 | h5 | h6 |
|---|---|---|---|---|---|---|
| ALARUA-2526 | 44 | 50 | 60 | 30 | 28 | 36 |
| ALARUA-3026 | 44 | 50 | 70 | 35 | 32 | 37 |
| ALARUA-3032 | 44 | 50 | 85 | 42.5 | 32 | 40 |
| ALARUA-4026 | 44 | 50 | 85 | 42.5 | 43 | 40 |
| ALARUA-4032 | 44 | 50 | 85 | 42.5 | 43 | 40 |
| ALARUA-5032 | 44 | 50 | 100 | 50 | 43 | 45 |

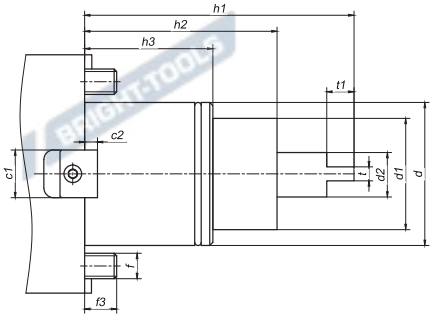
BRIGHT-TOOLS

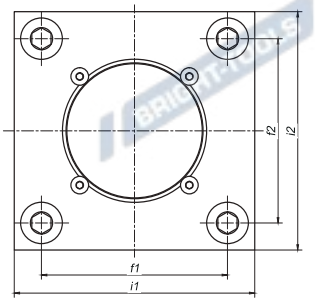
# BMT

## TOOL HOLDERS

BRIGHT-TOOLS

# BMT Taper Standard
# BMT 锥柄标准




| Type | c1 | c2 | d | d1 | d2 | f | f1 | f2 | f3 | h1 | h2 | h3 | i1 | i2 | t | t1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BMT45 | 15 | 4 | 45 | 35 | 14 | M8 | 58 | 58 | 10 | 84 | 60 | 40 | 75 | 75 | 6 | 8.5 |
| BMT55 | 15 | 4 | 55 | 40 | 16 | M10 | 64 | 64 | 14 | 104 | 75 | 30 | 85 | 85 | 8 | 8.5 |
| BMT65 | 18 | 5 | 65 | 45 | 18 | M12 | 70 | 73 | 15 | 112 | 83 | 32 | 94 | 94 | 10 | 14 |
| BMT75 | 25 | 5 | 75 | 55 | 23 | M12 | 90 | 90 | 15 | 110 | 80 | 43 | 112 | 112 | 14 | 15 |
| BMT85 | 25 | 5 | 85 | 65 | 33.5 | M12 | 100 | 100 | 18 | 140 | 100 | 43 | 125 | 125 | 16 | 20 |

# BMT TOOLING SYSTEM
# BMT 工具系统

BMT OD Turning Tool Holder.....K.04
BMT 外径刀座 , 外出水
BMT Double OD Turning Tool Holder.....K.05
BMT 外径双刀座，外出水
BMT OD Turning Tool Holder, Short.....K.06
BMT 短型外径刀座，外出水
BMT Double OD Turning Tool Holder, Short.....K.07
BMT 短型外径双刀座，外出水
BMT Facing Tool Holder.....K.08
BMT 端面刀座，外部出水
BMT Boring Bar Holder, Internal and External Coolant.....K.09
BMT 内孔刀座，内出水 + 外出水



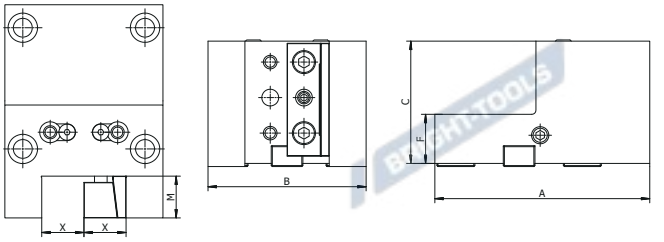






# BMT OD Turning Tool Holder
# BMT 外径刀座，外出水






## Metric

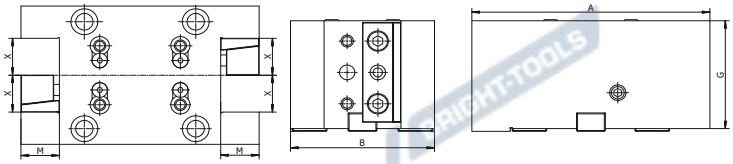
| Size | X | A | B | C | F | M |
|---|---|---|---|---|---|---|
| BMT45-OD20-60 | 20 | 105 | 75 | 60 | 30 | 20 |
| BMT55-OD20-60 | 20 | 120 | 85 | 60 | 30 | 20 |
| BMT55-OD25-75 | 25 | 126 | 85 | 75 | 30 | 25 |
| BMT65-OD20-75 | 20 | 131 | 96 | 75 | 30 | 20 |
| BMT65-OD25-75 | 25 | 131 | 96 | 75 | 30 | 25 |
| BMT75-OD25-85 | 25 | 145.5 | 112 | 85 | 35 | 25 |
| BMT75-OD25-100 | 25 | 145.5 | 112 | 100 | 35 | 25 |
| BMT75-OD32-85 | 32 | 153 | 112 | 85 | 35 | 32 |
| BMT75-OD32-100 | 32 | 153 | 112 | 100 | 35 | 32 |
| BMT85-OD32-75 | 32 | 174 | 130 | 75 | 40 | 32 |
| BMT85-OD32-90 | 32 | 168.5 | 130 | 90 | 40 | 32 |
| BMT85-OD32-120 | 32 | 168.5 | 130 | 120 | 50 | 32 |

## Inch

| Size | X | A | B | C | F | M |
|---|---|---|---|---|---|---|
| BMT45-OD19.05-60 | 19.05 | 105 | 75 | 60 | 30 | 19.05 |
| BMT55-OD19.05-60 | 19.05 | 120 | 85 | 60 | 30 | 19.05 |
| BMT55-OD25.4-75 | 25.4 | 126 | 85 | 75 | 30 | 25.4 |
| BMT65-OD19.05-75 | 19.05 | 131 | 96 | 75 | 30 | 19.05 |
| BMT65-OD25.4-75 | 25.4 | 131 | 96 | 75 | 30 | 25.4 |
| BMT75-OD25.4-85 | 25.4 | 145.5 | 112 | 85 | 35 | 25.4 |
| BMT75-OD25.4-100 | 25.4 | 145.5 | 112 | 100 | 35 | 25.4 |
| BMT75-OD31.75-85 | 31.75 | 153 | 112 | 85 | 35 | 31.75 |
| BMT75-OD31.75-100 | 31.75 | 153 | 112 | 100 | 35 | 31.75 |
| BMT85-OD31.75-75 | 31.75 | 174 | 130 | 75 | 40 | 31.75 |
| BMT85-OD31.75-90 | 31.75 | 168.5 | 130 | 90 | 40 | 31.75 |
| BMT85-OD31.75-120 | 31.75 | 168.5 | 130 | 120 | 50 | 31.75 |

# BMT Double OD Turning Tool Holder
# BMT 外径双刀座 , 外出水





## Metric

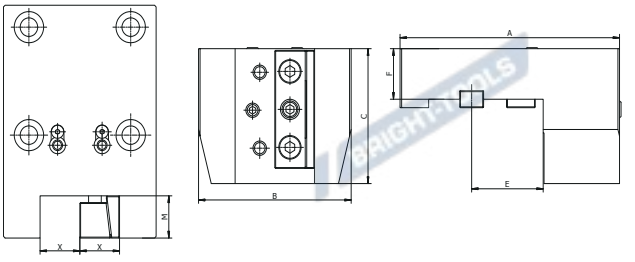
| Size | X | A | B | G | M |
|---|---|---|---|---|---|
| BMT45-OD20D-60 | 20 | 124 | 75 | 60 | 20 |
| BMT55-OD20D-65 | 20 | 152 | 85 | 65 | 20 |
| BMT55-OD25D-65 | 25 | 152 | 85 | 65 | 25 |
| BMT65-OD25D-75 | 25 | 157 | 96 | 75 | 25 |
| BMT75-OD32D-85 | 32 | 185 | 112 | 85 | 32 |

## Inch

| Size | X | A | B | G | M |
|---|---|---|---|---|---|
| BMT45-OD19.05D-60 | 19.05 | 124 | 75 | 60 | 19.05 |
| BMT55-OD19.05D-65 | 19.05 | 152 | 85 | 65 | 19.05 |
| BMT55-OD25.4D-65 | 25.4 | 152 | 85 | 65 | 25.4 |
| BMT65-OD25.4D-75 | 25.4 | 149 | 96 | 75 | 25.4 |
| BMT75-OD31.75D-85 | 31.75 | 185 | 112 | 85 | 31.75 |

# BMT OD Turning Tool Holder, Short
# BMT 短型外径刀座 , 外出水





## Metric

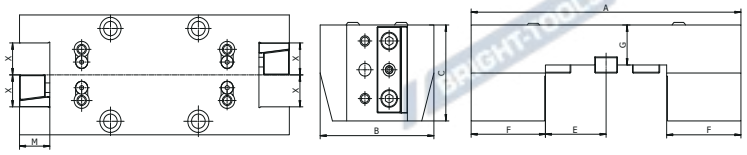
| Size | X | A | B | C | E | F | M |
|---|---|---|---|---|---|---|---|
| BMT45-ODS20-65-E41 | 20 | 127 | 75 | 65 | 41 | 30 | 20 |
| BMT55-ODS25-80-E46 | 25 | 138 | 85 | 80 | 46 | 30 | 25 |
| BMT55-ODS25-80-E51 | 25 | 138 | 85 | 80 | 51 | 30 | 25 |
| BMT65-ODS25-80-E56 | 25 | 146 | 96 | 80 | 56 | 40 | 25 |
| BMT75-ODS25-100-E58.5 | 25 | 168 | 112 | 100 | 58.5 | 50 | 25 |
| BMT75-ODS32-100-E58.5 | 32 | 168 | 112 | 100 | 58.5 | 50 | 32 |
| BMT85-ODS32-110-E71 | 32 | 190 | 130 | 110 | 71 | 50 | 32 |

## Inch

| Size | X | A | B | C | E | F | M |
|---|---|---|---|---|---|---|---|
| BMT45-ODS19.05-65-E41 | 19.05 | 127 | 75 | 65 | 41 | 30 | 19.05 |
| BMT55-ODS25.4-80-E46 | 25.4 | 138 | 85 | 80 | 46 | 30 | 25.4 |
| BMT55-ODS25.4-80-E51 | 25.4 | 138 | 85 | 80 | 51 | 30 | 25.4 |
| BMT65-ODS25.4-80-E56 | 25.4 | 146 | 96 | 80 | 56 | 40 | 25.4 |
| BMT75-ODS25.4-100-E58.5 | 25.4 | 168 | 112 | 100 | 58.5 | 50 | 25.4 |
| BMT75-ODS31.75-100-E58.5 | 31.75 | 168 | 112 | 100 | 58.5 | 50 | 31.75 |
| BMT85-ODS31.75-110-E71 | 31.75 | 190 | 130 | 110 | 71 | 50 | 31.75 |

# BMT Double OD Turning Tool Holder, Short
# BMT 短型外径双刀座 , 外出水





Metric

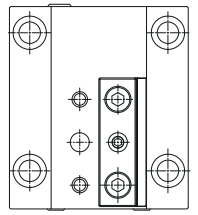
| Size | X | A | B | C | E | F | G | M |
|---|---|---|---|---|---|---|---|---|
| BMT45-ODS20D-65-E41 | 20 | 164 | 75 | 65 | 41 | 41 | 30 | 20 |
| BMT55-ODS25D-80-E46 | 25 | 178 | 85 | 80 | 46 | 43 | 30 | 25 |
| BMT55-ODS25D-80-E51 | 25 | 188 | 85 | 80 | 51 | 43 | 30 | 25 |

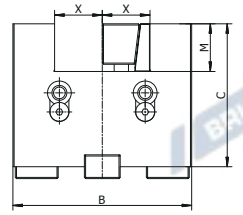
Inch

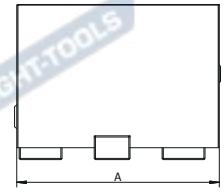
| Size | X | A | B | C | E | F | G | M |
|---|---|---|---|---|---|---|---|---|
| BMT45-ODS19.05D-65-E41 | 19.05 | 164 | 75 | 65 | 41 | 41 | 30 | 19.05 |
| BMT55-ODS25.4D-80-E46 | 25.4 | 178 | 85 | 80 | 46 | 43 | 30 | 25.4 |
| BMT55-ODS25.4D-80-E51 | 25.4 | 188 | 85 | 80 | 51 | 43 | 30 | 25.4 |

# BMT Facing Tool Holder
# BMT 端面刀座 , 外部出水








## Metric

| Size | X | A | B | C | M |
|---|---|---|---|---|---|
| BMT45-F20-65 | 20 | 86 | 75 | 65 | 20 |
| BMT45-F20-80 | 20 | 86 | 75 | 80 | 20 |
| BMT55-F20-70 | 20 | 95 | 85 | 70 | 20 |
| BMT55-F25-70 | 25 | 105 | 85 | 70 | 25 |
| BMT65-F25-82.5 | 25 | 100 | 96 | 82.5 | 25 |
| BMT65-F25-120 | 25 | 100 | 96 | 120 | 25 |
| BMT75-F25-70 | 25 | 120 | 112 | 70 | 25 |
| BMT75-F25-135 | 25 | 120 | 112 | 135 | 25 |
| BMT75-F25-122 | 25 | 120 | 112 | 122 | 25 |
| BMT75-F32-100 | 32 | 120 | 112 | 100 | 32 |
| BMT75-F32-122 | 32 | 120 | 112 | 122 | 32 |
| BMT85-F32-105 | 32 | 168.5 | 130 | 105 | 32 |
| BMT85-F32-140 | 32 | 168.5 | 130 | 140 | 32 |

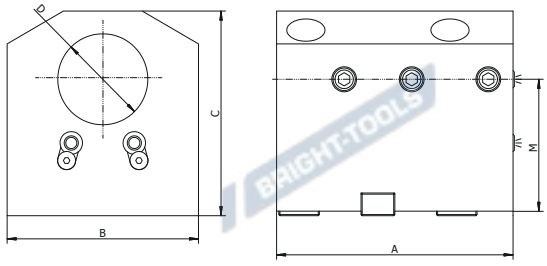


## Inch

| Size | X | A | B | C | M |
|---|---|---|---|---|---|
| BMT45-F19.05-65 | 19.05 | 86 | 75 | 65 | 19.05 |
| BMT45-F19.05-80 | 19.05 | 86 | 75 | 80 | 19.05 |
| BMT55-F19.05-70 | 19.05 | 95 | 85 | 70 | 19.05 |
| BMT55-F25.4-70 | 25.4 | 105 | 85 | 70 | 25.4 |
| BMT65-F25.4-82.5 | 25.4 | 100 | 96 | 82.5 | 25.4 |
| BMT65-F25.4-120 | 25.4 | 100 | 96 | 120 | 25.4 |
| BMT75-F25.4-70 | 25.4 | 120 | 112 | 70 | 25.4 |
| BMT75-F25.4-135 | 25.4 | 120 | 112 | 135 | 25.4 |
| BMT75-F25.4-122 | 25.4 | 120 | 112 | 122 | 25.4 |
| BMT75-F31.75-100 | 31.75 | 120 | 112 | 100 | 31.75 |
| BMT75-F31.75-122 | 31.75 | 120 | 112 | 122 | 31.75 |
| BMT85-F31.75-105 | 31.75 | 168.5 | 130 | 105 | 31.75 |
| BMT85-F31.75-140 | 31.75 | 168.5 | 130 | 140 | 31.75 |

# BMT Boring Bar Holder, Internal and External Coolant
# BMT 内孔刀座 , 内出水 + 外出水

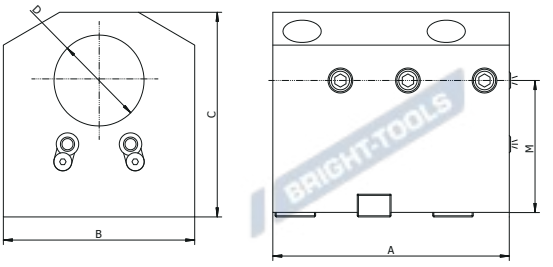





| Size | D | A | B | C | M |
|---|---|---|---|---|---|
| BMT45-ID25-H65-95 | 25 | 95 | 75 | 95 | 65 |
| BMT45-ID32-H65-95 | 32 | 95 | 75 | 95 | 65 |
| BMT45-ID40-H65-95 | 40 | 95 | 75 | 95 | 65 |
| BMT45-ID32-H85-115 | 32 | 95 | 75 | 115 | 85 |
| BMT45-ID40-H85-115 | 40 | 95 | 75 | 115 | 85 |
| BMT55-ID25-H100-130 | 25 | 105 | 85 | 130 | 100 |
| BMT55-ID32-H60-90 | 32 | 105 | 85 | 90 | 60 |
| BMT55-ID32-H70-100 | 32 | 105 | 85 | 100 | 70 |
| BMT55-ID32-H85-115 | 32 | 105 | 85 | 115 | 85 |
| BMT55-ID32-H100-130 | 32 | 105 | 85 | 130 | 100 |
| BMT55-ID40-H60-90 | 40 | 105 | 85 | 90 | 60 |
| BMT55-ID40-H70-100 | 40 | 105 | 85 | 100 | 70 |
| BMT55-ID40-H85-115 | 40 | 105 | 85 | 115 | 85 |
| BMT55-ID40-H100-130 | 40 | 105 | 85 | 130 | 100 |
| BMT65-ID32-H72-107 | 32 | 126 | 95 | 107 | 72 |
| BMT65-ID32-H100-135 | 32 | 126 | 95 | 135 | 100 |
| BMT65-ID40-H72-107 | 40 | 126 | 95 | 107 | 72 |
| BMT65-ID40-H85-120 | 40 | 126 | 95 | 120 | 85 |
| BMT65-ID40-H100-135 | 40 | 126 | 95 | 135 | 100 |
| BMT65-ID40-H115-150 | 40 | 126 | 95 | 150 | 115 |
| BMT65-ID50-H72-112 | 50 | 126 | 95 | 112 | 72 |
| BMT65-ID50-H90-130 | 50 | 126 | 95 | 130 | 90 |
| BMT65-ID50-H100-140 | 50 | 126 | 95 | 140 | 100 |

# BMT Boring Bar Holder, Internal and External Coolant
# BMT 内孔刀座 , 内出水 + 外出水

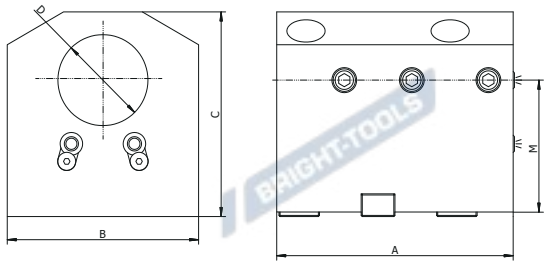





| Size | D | A | B | C | M |
|---|---|---|---|---|---|
| BMT75-ID40-H60-105 | 40 | 135 | 112 | 105 | 60 |
| BMT75-ID40-H90-135 | 40 | 135 | 112 | 135 | 90 |
| BMT75-ID50-H90-135 | 50 | 165 | 112 | 135 | 90 |
| BMT75-ID50-H110-155 | 50 | 165 | 112 | 155 | 110 |
| BMT75-ID50-H125-170 | 50 | 165 | 112 | 170 | 125 |
| BMT75-ID60-H60-105 | 60 | 165 | 112 | 105 | 60 |
| BMT75-ID60-H90-135 | 60 | 165 | 112 | 135 | 90 |
| BMT75-ID60-H110-155 | 60 | 165 | 112 | 155 | 110 |
| BMT75-ID60-H125-170 | 60 | 165 | 112 | 170 | 125 |
| BMT75-ID63-H110-155 | 63 | 165 | 112 | 155 | 110 |
| BMT85-ID50-H85-132 | 50 | 161.5 | 130 | 132 | 85 |
| BMT85-ID60-H85-132 | 60 | 161.5 | 130 | 132 | 85 |
| BMT85-ID80-H85-137 | 80 | 161.5 | 130 | 137 | 85 |
| BMT85-ID50-H110-157 | 50 | 161.5 | 130 | 157 | 110 |
| BMT85-ID60-H110-157 | 60 | 161.5 | 130 | 157 | 110 |
| BMT85-ID80-H110-162 | 80 | 161.5 | 130 | 162 | 110 |

# BMT Boring Bar Holder, Internal and External Coolant
# BMT 内孔刀座 , 内出水 + 外出水

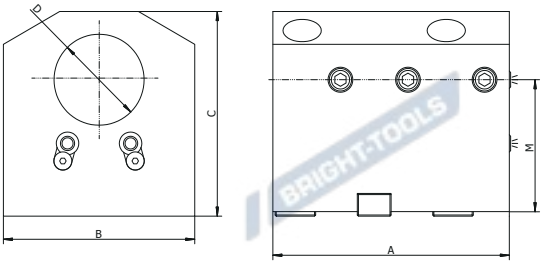





| Size | D | A | B | C | M |
|---|---|---|---|---|---|
| BMT45-ID25.4-H65-95 | 25.4 | 95 | 75 | 95 | 65 |
| BMT45-ID31.75-H65-95 | 31.75 | 95 | 75 | 95 | 65 |
| BMT45-ID40-H65-95 | 40 | 95 | 75 | 95 | 65 |
| BMT45-ID31.75-H85-115 | 31.75 | 95 | 75 | 115 | 85 |
| BMT45-ID38.1-H85-115 | 38.1 | 95 | 75 | 115 | 85 |
| BMT55-ID25.4-H100-130 | 25.4 | 105 | 85 | 130 | 100 |
| BMT55-ID31.75-H60-90 | 31.75 | 105 | 85 | 90 | 60 |
| BMT55-ID31.75-H70-100 | 31.75 | 105 | 85 | 100 | 70 |
| BMT55-ID31.75-H85-115 | 31.75 | 105 | 85 | 115 | 85 |
| BMT55-ID31.75-H100-130 | 31.75 | 105 | 85 | 130 | 100 |
| BMT55-ID38.1-H60-90 | 38.1 | 105 | 85 | 90 | 60 |
| BMT55-ID38.1-H70-100 | 38.1 | 105 | 85 | 100 | 70 |
| BMT55-ID38.1-H85-115 | 38.1 | 105 | 85 | 115 | 85 |
| BMT55-ID38.1-H100-130 | 38.1 | 105 | 85 | 130 | 100 |
| BMT65-ID31.75-H72-107 | 31.75 | 126 | 95 | 107 | 72 |
| BMT65-ID31.75-H100-135 | 31.75 | 126 | 95 | 135 | 100 |
| BMT65-ID38.1-H72-107 | 38.1 | 126 | 95 | 107 | 72 |
| BMT65-ID38.1-H85-120 | 38.1 | 126 | 95 | 120 | 85 |
| BMT65-ID38.1-H100-135 | 38.1 | 126 | 95 | 135 | 100 |
| BMT65-ID38.1-H115-150 | 38.1 | 126 | 95 | 150 | 115 |
| BMT65-ID50.8-H72-112 | 50.8 | 126 | 95 | 112 | 72 |
| BMT65-ID50.8-H90-130 | 50.8 | 126 | 95 | 130 | 90 |
| BMT65-ID50.8-H100-140 | 50.8 | 126 | 95 | 140 | 100 |

# BMT Boring Bar Holder, Internal and External Coolant
# BMT 内孔刀座 , 内出水 + 外出水






| Size | D | A | B | C | M |
|---|---|---|---|---|---|
| BMT75-ID38.1-H60-105 | 38.1 | 135 | 112 | 105 | 60 |
| BMT75-ID38.1-H90-135 | 38.1 | 135 | 112 | 135 | 90 |
| BMT75-ID50.8-H90-135 | 50.8 | 165 | 112 | 135 | 90 |
| BMT75-ID50.8-H110-155 | 50.8 | 165 | 112 | 155 | 110 |
| BMT75-ID50.8-H125-170 | 50.8 | 165 | 112 | 170 | 125 |
| BMT75-ID60-H60-105 | 60 | 165 | 112 | 105 | 60 |
| BMT75-ID63.5-H90-135 | 63.5 | 165 | 112 | 135 | 90 |
| BMT75-ID63.5-H110-155 | 63.5 | 165 | 112 | 155 | 110 |
| BMT75-ID63.5-H125-170 | 63.5 | 165 | 112 | 170 | 125 |
| BMT85-ID50.8-H85-132 | 50.8 | 161.5 | 130 | 132 | 85 |
| BMT85-ID63.5-H85-132 | 63.5 | 161.5 | 130 | 132 | 85 |
| BMT85-ID76.2-H85-137 | 76.2 | 161.5 | 130 | 137 | 85 |
| BMT85-ID50.8-H110-157 | 50.8 | 161.5 | 130 | 157 | 110 |
| BMT85-ID63.5-H110-157 | 63.5 | 161.5 | 130 | 157 | 110 |
| BMT85-ID76.2-H110-162 | 76.2 | 161.5 | 130 | 162 | 110 |

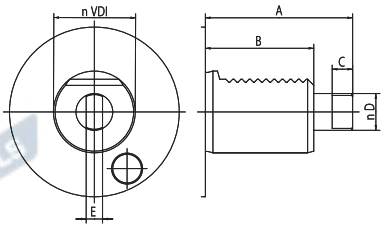
BRIGHT-TOOLS

# DRIVEN

## TOOL HOLDERS

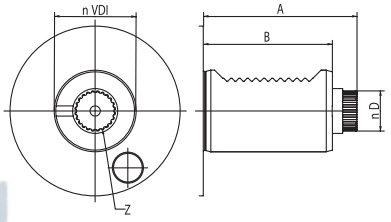
BRIGHT-TOOLS

## DIN 1809



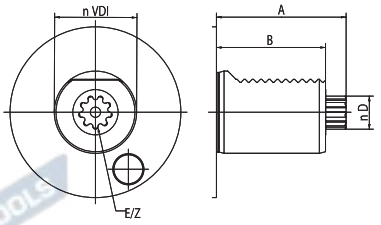

| VDI | A | B | C | D | E |
|---|---|---|---|---|---|
| 30 | 62 | 45 | 8 | 12 | 6 |
| 40 | 72 | 53 | 10 | 18 | 8 |
| 50 | 91 | 78 | 13 | 24 | 13 |

## DIN 5480



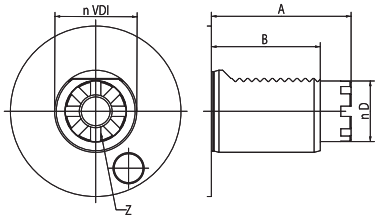

| VDI | A | B | D | Z |
|---|---|---|---|---|
| 30 | 67 | 55 | 15.8 | 18 |
| 40 | 75 | 63 | 19.8 | 24 |
| 50 | 93 | 78 | 23.8 | 18 |

## DIN 5482



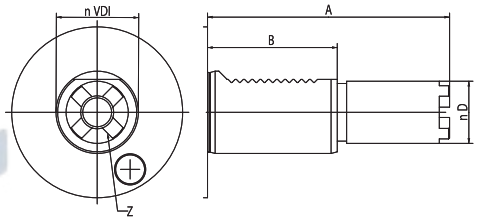

| VDI | A | B | D | E | Z |
|---|---|---|---|---|---|
| 30 | 55 | 45 | 14.5 | B15×12 | 8 |
| 40 | 63 | 53 | 16.5 | B17×14 | 9 |
| 50 | 93 | 78 | 19.5 | B20×17 | 11 |

## TOEM BARUFFALDI




| VDI | A | B | D | Z |
|---|---|---|---|---|
| 30 | 59 | 45/53 | 24 | 6 |
| 40 | 68 | 53 | 32 | 8 |
| 50 | 84 | 70 | 40 | 8 |

## HAAS




| VDI | A | B | D | Z | TIPE |
|---|---|---|---|---|---|
| 40 | 104.85 | 63 | 30.2 | 4 | 1 |
| 40 | 117.55 | 63 | 30.2 | 4 | 2 |
| 40 | 130.25 | 63 | 30.2 | 4 | 3 |

# DRIVEN TOOLING SYSTEM
# DRIVEN 工具系统


DIN1809 DA DRIVEN HEAD.....L.06
轴向钻铣动力刀座
DIN1809 DR DRIVEN HEAD.....L.07
径向钻铣动力刀座
DIN1809 DA DRIVEN HEAD .....L.08
轴向钻铣动力刀座
DIN1809 DR DRIVEN HEAD .....L.08
径向钻铣动力刀座
DIN1809 DOA DRIVEN HEAD.....L.09
轴向偏心钻铣动力刀座
DIN1809 DOR DRIVEN HEAD.....L.09
径向偏心钻铣动力刀座
DIN5480 DA DRIVEN HEAD.....L.10
轴向钻铣动力刀座
DIN5480 DR DRIVEN HEAD.....L.10
径向钻铣动力刀座 .....L.10
DIN5480 DOA DRIVEN HEAD.....L.11
轴向偏心钻铣动力刀座
DIN5480 DOR DRIVEN HEAD .....L.11
径向偏心钻铣动力刀座
DIN5482 DA DRIVEN HEAD.....L.12
轴向钻铣动力刀座
DIN5482 DR DRIVEN HEAD .....L.12
径向钻铣动力刀座
DIN5482 DOA DRIVEN HEAD .....L.13
轴向偏心钻铣动力刀座
DIN5482 DOR DRIVEN HEAD .....L.13
径向偏心钻铣动力刀座
TOEM BARUFFALDI DA DRIVEN HEAD.....L.14
轴向钻铣动力刀座
TOEM BARUFFALDI DA DRIVEN HEAD.....L.14
径向钻铣动力刀座
TOEM BARUFFALDI DA DRIVEN HEAD.....L.15
轴向偏心钻铣动力刀座
DTOEM BARUFFALDI DA DRIVEN HEAD.....L.15
径向偏心钻铣动力刀座
STEPPED HAASDA DRIVEN HEAD.....L.16
轴向钻铣动力刀座
STEPPED HAASDA DRIVEN HEAD.....L.17
径向钻铣动力刀座
STEPPED HAAS DOA DRIVEN HEAD.....L.18
轴向偏心钻铣动力刀座
STEPPED HAAS DOR DRIVEN HEAD.....L.18
径向偏心钻铣动力刀座





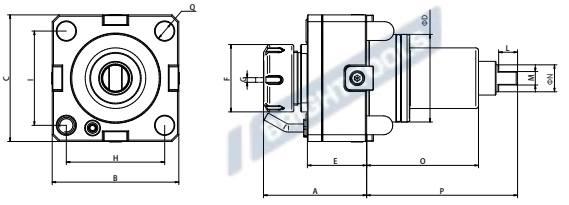





# BMT Axial Driven Head, DIN 1809
# 轴向钻铣动力刀座

| DIN1809 | RPM |
|---|---|
| | 6000 |



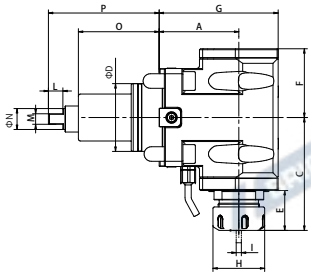


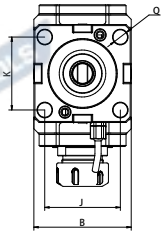
| Size | A | B | C | D | E | F | G | H | I | L | M | N | O | P | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BMT45-DAER25-H078 DIN1809 | 78 | 75 | 75 | 45 | 46.5 | 42 | ER25 | 58 | 58 | 8.5 | 6 | 14 | 60 | 84 | M8 |
| BMT55-DAER25-H080 DIN1809 | 80 | 85 | 85 | 55 | 49 | 42 | ER25 | 64 | 64 | 11 | 8 | 20 | 75 | 104 | M10 |
| BMT65-DAER32-H081 DIN1809 | 81 | 94 | 94 | 65 | 44 | 50 | ER32 | 73 | 70 | 14 | 10 | 20 | 83 | 112 | M12 |
| BMT45-DAER25-H083 DIN1809 | 83 | 75 | 85 | 45 | 40.5 | 42 | ER25 | 58 | 58 | 8.5 | 6 | 20 | 58 | 83 | M8 |
| BMT55-DAER32-H086 DIN1809 | 86 | 85 | 97 | 55 | 41.2 | 50 | ER32 | 64 | 64 | 9.7 | 8 | 23.5 | 73 | 102 | M10 |
| BMT75-DAER40-78 DIN1809 | 78 | 112 | 112 | 75 | 30 | 63 | ER40 | 90 | 90 | 15 | 14 | 23 | 80 | 110 | M12 |
| BMT85-DAER50-108 DIN1809 | 108 | 125 | 125 | 85 | 44 | 78 | ER50 | 100 | 100 | 20 | 16 | 27.5 | 96 | 136 | M12 |

# BMT Radial Driven Head, DIN 1809
## 径向钻铣动力刀座

| DIN1809 | RPM |
|---|---|
| | 4000 |





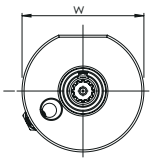


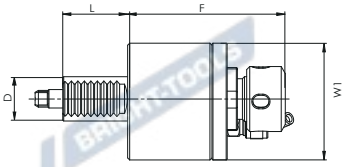
| Size | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BMT45-DRER25-65 DIN1809 | 65 | 75 | 93 | 45 | 32 | 50 | 99 | 42 | ER25 | 58 | 58 | 8.5 | 6 | 14 | M8 | 84 | M8 |
| BMT45-DRER25-60 DIN1809 | 60 | 75 | 100.5 | 45 | 31 | 54.7 | 94 | 42 | ER25 | 58 | 58 | 8 | 6 | 20 | M8 | 83 | M8 |
| BMT55-DRER25-60 DIN1809 | 60 | 85 | 105 | 55 | 31 | 56.7 | 97 | 42 | ER25 | 64 | 64 | 11 | 8 | 20 | M10 | 104 | M10 |
| BMT55E-DRER25-70 DIN1809 | 70 | 85 | 97 | 55 | 31 | 64.2 | 108 | 42 | ER25 | 64 | 64 | 11 | 8 | 20 | M10 | 104 | M10 |
| BMT55-DRER25-85 DIN1809 | 85 | 85 | 97 | 55 | 31 | 64.2 | 123 | 42 | ER25 | 64 | 64 | 11 | 8 | 20 | M10 | 104 | M10 |
| BMT55-DRER32-60 DIN1809 | 60 | 85 | 107 | 55 | 34 | 57 | 97 | 50 | ER32 | 64 | 64 | 9.7 | 8 | 23.5 | M10 | 102 | M10 |
| | | | | | | | | | | | | | | | | | |
| BMT65E-DRER32-72 DIN1809 | 72 | 94 | 113 | 65 | 43 | 66 | 110 | 50 | ER32 | 73 | 70 | 14 | 10 | 20 | M12 | 112 | M12 |
| BMT65-DRER32-100 DIN1809 | 100 | 94 | 113 | 65 | 43 | 66 | 138 | 50 | ER32 | 73 | 70 | 14 | 10 | 20 | M12 | 112 | M12 |
| | | | | | | | | | | | | | | | | | |
| BMT75-DRER40-60 DIN1809 | 60 | 112 | 104 | 75 | 41 | 65 | 105 | 63 | ER40 | 90 | 90 | 15 | 14 | 23 | M12 | 110 | M12 |
| BMT75-DRER40-90 DIN1809 | 90 | 112 | 104 | 75 | 41 | 65 | 135 | 63 | ER40 | 90 | 90 | 15 | 14 | 23 | M12 | 110 | M12 |
| BMT75-DRER40-125 DIN1809 | 125 | 112 | 104 | 75 | 41 | 65 | 170 | 63 | ER40 | 90 | 90 | 15 | 14 | 23 | M12 | 110 | M12 |
| | | | | | | | | | | | | | | | | | |
| BMT85-DRER40-110 DIN1809 | 110 | 125 | 134.8 | 85 | 54.3 | 75.5 | 160 | 78 | ER50 | 100 | 100 | 20 | 16 | 27.5 | M12 | 136 | M12 |

## VDI Axial Driven Head, DIN 1809
## 轴向钻铣动力刀座

| DIN1809 | RPM | I (rev.) |
|---|---|---|
| | 6000 | 1:1 |





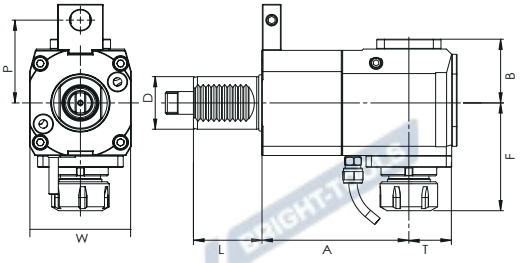




| Size | VDI | Collet | F | L | W | W1 | Nm | Internal Cooling |
|---|---|---|---|---|---|---|---|---|
| VDI30-DAER25-87 DIN1809 | 30 | ER25 | 87 | 45 | 64 | 68 | 28 | no |
| VDI30-DAER25K-87 DIN1809 | 30 | ER25 | 87 | 45 | 64 | 68 | 28 | yes |
| VDI40-DAER25-105 DIN1809 | 40 | ER25 | 105 | 53 | 80 | 86 | 50 | no |
| VDI40-DAER25K-105 DIN1809 | 40 | ER25 | 105 | 53 | 80 | 86 | 50 | yes |
| VDI40-DAER32-108 DIN1809 | 40 | ER32 | 108 | 53 | 80 | 86 | 50 | no |
| VDI40-DAER32K-108 DIN1809 | 40 | ER32 | 108 | 53 | 80 | 86 | 50 | yes |
| VDI40-DAER32-95 DIN1809 | 40 | ER32 | 95 | 53 | 80 | 86 | 50 | no |
| VDI40-DAER32K-95 DIN1809 | 40 | ER32 | 95 | 53 | 80 | 86 | 50 | yes |

## VDI Radial Driven Head, DIN 1809
## 径向钻铣动力刀座

| DIN1809 | RPM | I (rev.) |
|---|---|---|
| | 6000 | 1:1 |



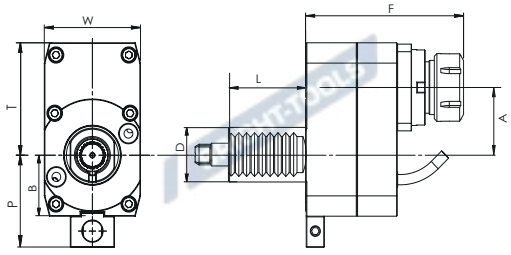



| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | Internal Cooling | Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DRER25-55 DIN1809 | 30 | ER25 | 55 | 48 | 63 | 45 | 48 | 29 | 64 | 28 | no | right |
| VDI30-DRER25K-55 DIN1809 | 30 | ER25 | 55 | 51 | 63 | 45 | 48 | 29 | 64 | 28 | yes | right |
| VDI40-DRER25-80 DIN1809 | 40 | ER25 | 80 | 59 | 70 | 53 | 71 | 36 | 75 | 50 | no | right |
| VDI40-DRER25K-80 DIN1809 | 40 | ER25 | 80 | 62 | 70 | 53 | 71 | 36 | 75 | 50 | yes | right |
| VDI40-DRER32-80 DIN1809 | 40 | ER32 | 80 | 59 | 74 | 53 | 71 | 36 | 75 | 50 | no | right |
| VDI40-DRER32K-80 DIN1809 | 40 | ER32 | 80 | 62 | 74 | 53 | 71 | 36 | 75 | 50 | yes | right |
| VDI40-DRER25-100 DIN1809 | 40 | ER25 | 100 | 59 | 70 | 53 | - | 36 | 75 | 50 | no | left |
| VDI40-DRER25K-100 DIN1809 | 40 | ER25 | 100 | 62 | 70 | 53 | - | 36 | 75 | 50 | yes | left |
| VDI40-DRER32-100 DIN1809 | 40 | ER32 | 100 | 59 | 74 | 53 | - | 36 | 75 | 50 | no | left |
| VDI40-DRER32K-100 DIN1809 | 40 | ER32 | 100 | 62 | 74 | 53 | - | 36 | 75 | 50 | yes | left |

## VDI Axial Driven Head, Offset, DIN 1809
## 轴向偏心钻铣动力刀座

| DIN1809 | RPM | I (rev.) |
|---|---|---|
| | 12000 | 1:2 |



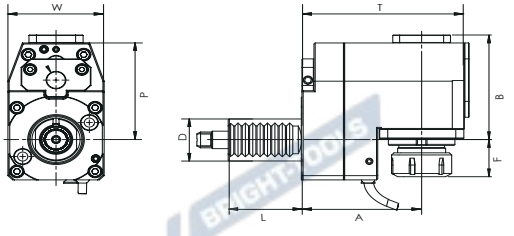



| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | Cooling |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DOAER25-50-106 DIN1809 | 30 | ER25 | 50 | 40 | 106 | 45 | 48 | 90 | 78 | 14 | EXT |

## VDI Radial Driven Head, Offset, DIN 1809
## 径向偏心钻铣动力刀座

| DIN1809 | I (rev.) |
|---|---|
| | 1:1 |



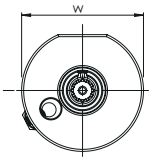


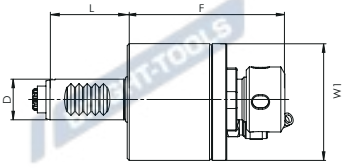

| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | RPM | Cooling |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DORER25-75-40 DIN1809 | 30 | ER25 | 75 | 71 | 40 | 45 | 48 | 101 | 64 | 28 | 6000 | no |
| VDI30-DORER25K-75-40 DIN1809 | 30 | ER25 | 75 | 74 | 40 | 45 | 48 | 101 | 64 | 28 | 6000 | yes |
| VDI40-DORER25-120-37 DIN1809 | 40 | ER25 | 120 | 92 | 37 | 53 | 71 | 120 | 75 | 60 | 4000 | no |
| VDI40-DORER25K-120-37 DIN1809 | 40 | ER25 | 120 | 95 | 37 | 53 | 71 | 120 | 75 | 60 | 4000 | yes |
| VDI40-DORER32-120-41 DIN1809 | 40 | ER32 | 120 | 92 | 41 | 53 | 71 | 120 | 75 | 60 | 4000 | no |
| VDI40-DORER32K-120-41 DIN1809 | 40 | ER32 | 120 | 95 | 41 | 53 | 71 | 120 | 75 | 60 | 4000 | yes |

## VDI Axial Driven Head, DIN 5480
## 轴向钻铣动力刀座

| | RPM | I (rev.) |
|---|---|---|
| DIN5480 | 6000 | 1:1 |





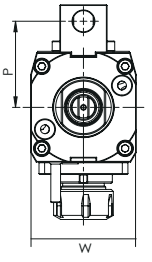



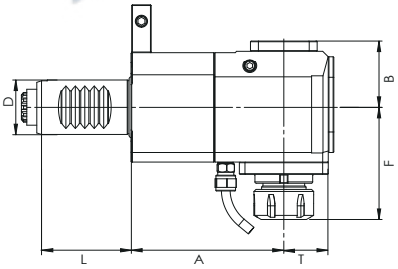

| Size | VDI | Collet | F | L | W | W1 | Nm | Internal Cooling |
|---|---|---|---|---|---|---|---|---|
| VDI30-DAER25-87 DIN5480 | 30 | ER25 | 87 | 55 | 62 | 69 | 28 | no |
| VDI30-DAER25K-87 DIN5480 | 30 | ER25 | 87 | 55 | 62 | 69 | 28 | yes |
| VDI40-DAER25-105 DIN5480 | 40 | ER25 | 105 | 63 | 76 | 94 | 50 | no |
| VDI40-DAER25K-105 DIN5480 | 40 | ER25 | 105 | 63 | 76 | 94 | 50 | yes |
| VDI40-DAER32-108 DIN5480 | 40 | ER32 | 108 | 63 | 76 | 94 | 50 | no |
| VDI40-DAER32K-108 DIN5480 | 40 | ER32 | 108 | 63 | 76 | 94 | 50 | yes |

## VDI Radial Driven Head, DIN 5480
## 径向钻铣动力刀座

| | RPM | I (rev.) |
|---|---|---|
| DIN5480 | 6000 | 1:1 |





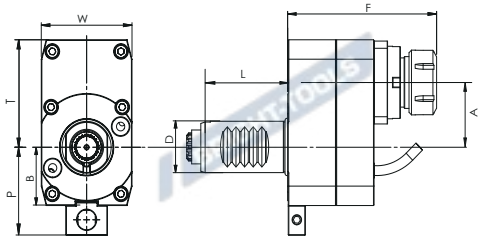




| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | Internal Cooling | Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DRER25-55 DIN5480 | 30 | ER25 | 55 | 48 | 63 | 55 | 56 | 26 | 64 | 28 | no | right |
| VDI30-DRER25K-55 DIN5480 | 30 | ER25 | 55 | 51 | 63 | 55 | 56 | 26 | 64 | 28 | yes | right |
| VDI30-DRER25-85 DIN5480 | 30 | ER25 | 85 | 48 | 63 | 55 | 56 | 26 | 64 | 28 | no | right |
| VDI30-DRER25K-85 DIN5480 | 30 | ER25 | 85 | 51 | 63 | 55 | 56 | 26 | 64 | 28 | yes | right |
| VDI30-DRER25-100 DIN5480 | 30 | ER25 | 100 | 48 | 63 | 55 | 56 | 29 | 64 | 28 | no | right |
| VDI30-DRER25K-100 DIN5480 | 30 | ER25 | 100 | 51 | 63 | 55 | 56 | 29 | 64 | 28 | yes | right |
| VDI40-DRER25-80 DIN5480 | 40 | ER25 | 80 | 59 | 70 | 63 | 65 | 33 | 75 | 50 | no | right |
| VDI40-DRER25K-80 DIN5480 | 40 | ER25 | 80 | 62 | 70 | 63 | 65 | 33 | 75 | 50 | yes | right |
| VDI40-DRER25-100 DIN5480 | 40 | ER25 | 100 | 59 | 70 | 63 | 65 | 33 | 75 | 50 | no | right |
| VDI40-DRER25K-100 DIN5480 | 40 | ER25 | 100 | 62 | 70 | 63 | 65 | 33 | 75 | 50 | yes | right |
| VDI40-DRER32-80 DIN5480 | 40 | ER32 | 80 | 59 | 74 | 63 | 65 | 33 | 75 | 50 | no | right |
| VDI40-DRER32K-80 DIN5480 | 40 | ER32 | 80 | 62 | 74 | 63 | 65 | 33 | 75 | 50 | yes | right |
| VDI40-DRER32-100 DIN5480 | 40 | ER32 | 100 | 59 | 74 | 63 | 65 | 33 | 75 | 50 | no | right |
| VDI40-DRER32K-100 DIN5480 | 40 | ER32 | 100 | 62 | 74 | 63 | 65 | 33 | 75 | 50 | yes | right |

## VDI Axial Driven Head, Offset, DIN 5480
## 轴向偏心钻铣动力刀座

| DIN5480 | RPM | I (rev.) |
|---|---|---|
| | 12000 | 1:2 |



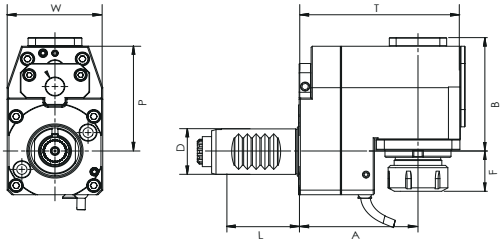



| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | Cooling |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DOAER25-50-102 DIN5480 | 30 | ER25 | 50 | 47 | 102 | 55 | 56 | 90 | 78 | 14 | EXT |

## VDI Radial Driven Head, Offset, DIN 5480
## 径向偏心钻铣动力刀座

| DIN5480 | RPM | I (rev.) |
|---|---|---|
| | 6000 | 1:1 |



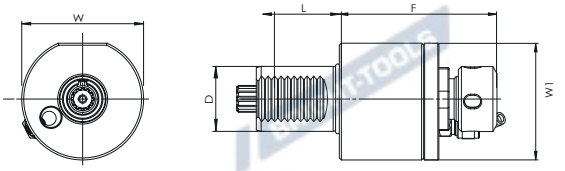



| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | Cooling |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DORER25-75-39.8 DIN5480 | 30 | ER25 | 75 | 71 | 39.8 | 55 | 56 | 101 | 64 | 28 | EXT |
| VDI30-DORER25K-75-39.8 DIN5480 | 30 | ER25 | 75 | 73.5 | 39.8 | 55 | 56 | 101 | 64 | 28 | EXT+INT |
| VDI40-DORER25-120-36.6 DIN5480 | 40 | ER25 | 120 | 92.2 | 36.6 | 63 | 65 | 153 | 75 | 50 | EXT |
| VDI40-DORER25K-120-36.6 DIN5480 | 40 | ER25 | 120 | 95.2 | 36.6 | 63 | 65 | 153 | 75 | 50 | EXT+INT |
| VDI40-DORER32-120-40.6 DIN5480 | 40 | ER32 | 120 | 92.2 | 40.6 | 63 | 65 | 153 | 75 | 50 | EXT |
| VDI40-DORER32K-120-40.6 DIN5480 | 40 | ER32 | 120 | 95.2 | 40.6 | 63 | 65 | 153 | 75 | 50 | EXT+INT |

## VDI Axial Driven Head, DIN 5482
## 轴向钻铣动力刀座

| | RPM | I (rev.) |
|---|---|---|
| DIN5482 | 6000 | 1:1 |



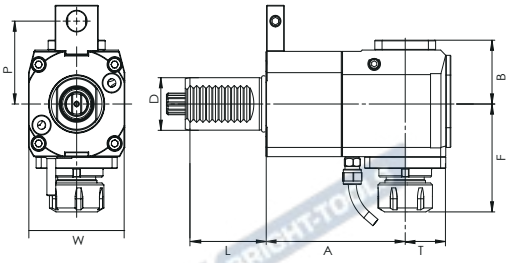



| Size | VDI | Collet | F | L | W | W1 | Nm | Internal Cooling |
|---|---|---|---|---|---|---|---|---|
| VDI30-DAER25-87 DIN5482 | 30 | ER25 | 87 | 45 | 62 | 69 | 28 | no |
| VDI30-DAER25K-87 DIN5482 | 30 | ER25 | 87 | 45 | 62 | 69 | 28 | yes |
| VDI40-DAER25-105 DIN5482 | 40 | ER25 | 105 | 53 | 76 | 94 | 50 | no |
| VDI40-DAER25K-105 DIN5482 | 40 | ER25 | 105 | 53 | 76 | 94 | 50 | yes |
| VDI40-DAER32-108 DIN5482 | 40 | ER32 | 108 | 53 | 76 | 94 | 50 | no |
| VDI40-DAER32K-108 DIN5482 | 40 | ER32 | 108 | 53 | 76 | 94 | 50 | yes |

## VDI Radial Driven Head, DIN 5482
## 径向钻铣动力刀座

| | RPM | I (rev.) |
|---|---|---|
| DIN5482 | 6000 | 1:1 |



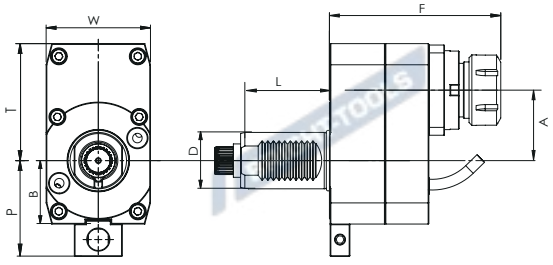



| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | Internal Cooling | Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DRER25-55 DIN5482 | 30 | ER25 | 55 | 48 | 63 | 45 | 48 | 26 | 64 | 28 | no | right |
| VDI30-DRER25K-55 DIN5482 | 30 | ER25 | 55 | 51 | 63 | 45 | 48 | 26 | 64 | 28 | yes | right |
| VDI40-DRER25-80 DIN5482 | 40 | ER25 | 80 | 59 | 70 | 53 | 71 | 33 | 75 | 50 | no | right |
| VDI40-DRER25K-80 DIN5482 | 40 | ER25 | 80 | 62 | 70 | 53 | 71 | 33 | 75 | 50 | yes | right |
| VDI40-DRER32-80 DIN5482 | 40 | ER32 | 80 | 59 | 74 | 53 | 71 | 33 | 75 | 50 | no | right |
| VDI40-DRER32K-80 DIN5482 | 40 | ER32 | 80 | 62 | 74 | 53 | 71 | 33 | 75 | 50 | yes | right |

## VDI Axial Driven Head, Offset, DIN 5482
## 轴向偏心钻铣动力刀座

| DIN5482 | RPM | I (rev.) |
|---|---|---|
| | 12000 | 1:2 |



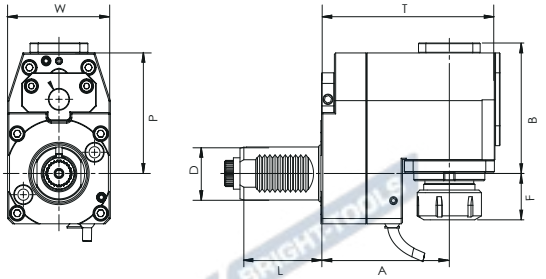



| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | Cooling |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DOAER25-50-102 DIN5482 | 30 | ER25 | 50 | 40 | 102 | 45 | 48 | 90 | 78 | 14 | EXT |

## VDI Radial Driven Head, Offset, DIN 5482
## 径向偏心钻铣动力刀座

| DIN 5482 | I (rev.) |
|---|---|
| | 1:1 |



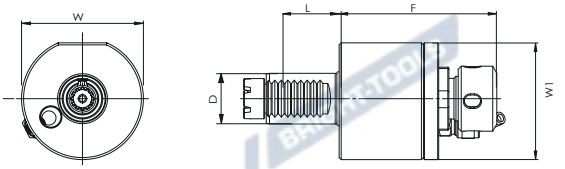



| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | RPM | Cooling |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DORER25-75-40 DIN5482 | 30 | ER25 | 75 | 71 | 40 | 45 | 48 | 101 | 64 | 28 | 6000 | no |
| VDI30-DORER25K-75-40 DIN5482 | 30 | ER25 | 75 | 74 | 40 | 45 | 48 | 101 | 64 | 28 | 6000 | yes |
| VDI40-DORER25-120-37 DIN5482 | 40 | ER25 | 120 | 92 | 37 | 53 | 71 | 125.5 | 75 | 60 | 4000 | no |
| VDI40-DORER25K-120-37 DIN5482 | 40 | ER25 | 120 | 95 | 37 | 53 | 71 | 125.5 | 75 | 60 | 4000 | yes |
| VDI40-DORER32-120-41 DIN5482 | 40 | ER32 | 120 | 92 | 41 | 53 | 71 | 125.5 | 75 | 60 | 4000 | no |
| VDI40-DORER32K-120-41 DIN5482 | 40 | ER32 | 120 | 95 | 41 | 53 | 71 | 125.5 | 75 | 60 | 4000 | yes |

## VDI Axial Driven Head, TOEM
## 轴向钻铣动力刀座

| TOEM BARUFFALDI | RPM | I (rev.) |
|---|---|---|
| | 6000 | 1:1 |



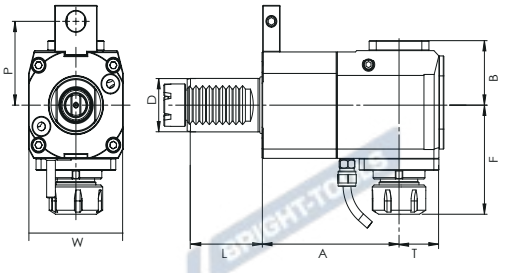



| Size | VDI | Collet | F | L | W | W1 | Nm | Internal Cooling | Z |
|---|---|---|---|---|---|---|---|---|---|
| VDI30-DAER25-87 TOEM | 30 | ER25 | 87 | 45 | 64 | 68 | 28 | no | 6 |
| VDI30-DAER25K-87 TOEM | 30 | ER25 | 87 | 45 | 64 | 68 | 28 | yes | 6 |
| VDI40-DAER25-105 TOEM | 40 | ER25 | 105 | 53 | 80 | 86 | 50 | no | 8 |
| VDI40-DAER25K-105 TOEM | 40 | ER25 | 105 | 53 | 80 | 86 | 50 | yes | 8 |
| VDI40-DAER32-108 TOEM | 40 | ER32 | 108 | 53 | 80 | 86 | 50 | no | 8 |
| VDI40-DAER32K-108 TOEM | 40 | ER32 | 108 | 53 | 80 | 86 | 50 | yes | 8 |

## VDI Radial Driven Head, TOEM
## 径向钻铣动力刀座

| TOEM BARUFFALDI | RPM | I (rev.) |
|---|---|---|
| | 6000 | 1:1 |



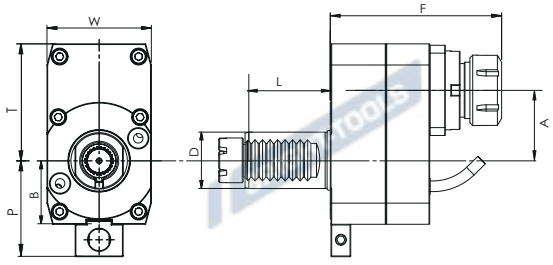



| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | Internal Cooling | Direction | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DRER25-55 TOEM | 30 | ER25 | 55 | 48 | 63 | 45 | 48 | 29 | 64 | 28 | no | right | 6 |
| VDI30-DRER25K-55 TOEM | 30 | ER25 | 55 | 51 | 63 | 45 | 48 | 29 | 64 | 28 | yes | right | 6 |
| VDI40-DRER25-80 TOEM | 40 | ER25 | 80 | 59 | 70 | 53 | 71 | 36 | 75 | 50 | no | right | 8 |
| VDI40-DRER25K-80 TOEM | 40 | ER25 | 80 | 62 | 70 | 53 | 71 | 36 | 75 | 50 | yes | right | 8 |
| VDI40-DRER32-80 TOEM | 40 | ER32 | 80 | 59 | 74 | 53 | 71 | 36 | 75 | 50 | no | right | 8 |
| VDI40-DRER32K-80 TOEM | 40 | ER32 | 80 | 62 | 74 | 53 | 71 | 36 | 75 | 50 | yes | right | 8 |

## VDI Axial Driven Head, Offset, TOEM
## 轴向偏心钻铣动力刀座

| TOEM BARUFFALDI | RPM | I (rev.) |
|---|---|---|
| | 12000 | 1:2 |



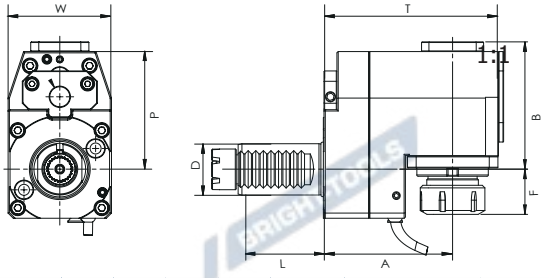



| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | Cooling | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DOAER25-50-106 TOEM | 30 | ER25 | 50 | 40 | 106 | 45 | 48 | 90 | 78 | 14 | EXT | 6 |

## VDI Radial Driven Head, Offset, TOEM
## 径向偏心钻铣动力刀座

| TOEM BARUFFALDI | RPM | I (rev.) |
|---|---|---|
| | 6000 | 1:1 |



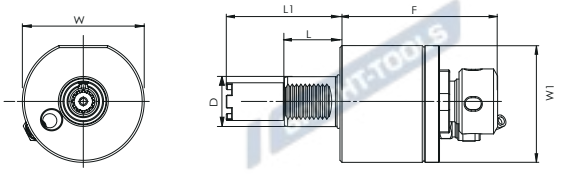



| Size | VDI | Collet | A | B | F | L | P | T | W | Nm | Cooling | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI30-DORER25-75-40 TOEM | 30 | ER25 | 75 | 71 | 40 | 45 | 48 | 101 | 64 | 28 | no | 6 |
| VDI30-DORER25K-75-40 TOEM | 30 | ER25 | 75 | 74 | 40 | 45 | 48 | 101 | 64 | 28 | yes | 6 |
| VDI40-DORER25-120-37 TOEM | 40 | ER25 | 120 | 92 | 37 | 53 | 71 | 120 | 75 | 60 | no | - |
| VDI40-DORER25K-120-37 TOEM | 40 | ER25 | 120 | 95 | 37 | 53 | 71 | 120 | 75 | 60 | yes | - |
| VDI40-DORER32-120-41 TOEM | 40 | ER32 | 120 | 92 | 41 | 53 | 71 | 120 | 75 | 60 | no | - |
| VDI40-DORER32K-120-41 TOEM | 40 | ER32 | 120 | 95 | 41 | 53 | 71 | 120 | 75 | 60 | yes | - |

# VDI Axial Driven Head, STEPPED HAAS
# 轴向钻铣动力刀座

| STEPPED HAAS | RPM | I (rev.) |
|---|---|---|
| | 6000 | 1:1 |



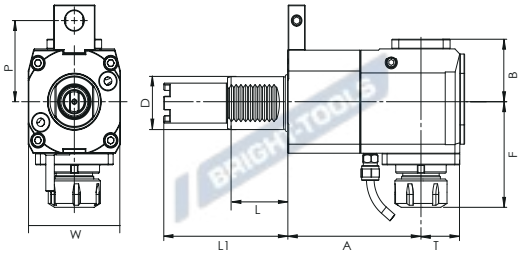



| Size | VDI | Collet | F | L | L1 | W | W1 | Nm | Internal Cooling |
|---|---|---|---|---|---|---|---|---|---|
| VDI40-DAER25-105 HAAS | 40 | ER25 | 105 | 63 | 104.85 | 76 | 94 | 50 | no |
| VDI40-DAER25K-105 HAAS | 40 | ER25 | 105 | 63 | 104.85 | 76 | 94 | 50 | yes |
| VDI40-DAER32-108 HAAS | 40 | ER32 | 108 | 63 | 104.85 | 76 | 94 | 50 | no |
| VDI40-DAER32K-108 HAAS | 40 | ER32 | 108 | 63 | 104.85 | 76 | 94 | 50 | yes |
| VDI40-DAER25-105L HAAS | 40 | ER25 | 105 | 63 | 117.55 | 76 | 94 | 50 | no |
| VDI40-DAER25K-105L HAAS | 40 | ER25 | 105 | 63 | 117.55 | 76 | 94 | 50 | yes |
| VDI40-DAER32-108L HAAS | 40 | ER32 | 108 | 63 | 117.55 | 76 | 94 | 50 | no |
| VDI40-DAER32K-108L HAAS | 40 | ER32 | 108 | 63 | 117.55 | 76 | 94 | 50 | yes |
| VDI40-DAER25-105EL HAAS | 40 | ER25 | 105 | 63 | 130.25 | 76 | 94 | 50 | no |
| VDI40-DAER25K-105EL HAAS | 40 | ER25 | 105 | 63 | 130.25 | 76 | 94 | 50 | yes |
| VDI40-DAER32-108EL HAAS | 40 | ER32 | 108 | 63 | 130.25 | 76 | 94 | 50 | no |
| VDI40-DAER32K-108EL HAAS | 40 | ER32 | 108 | 63 | 130.25 | 76 | 94 | 50 | yes |

# VDI Radial Driven Head, STEPPED HAAS
# 径向钻铣动力刀座

| | RPM | I (rev.) |
|---|---|---|
| STEPPED HAAS | 6000 | 1:1 |



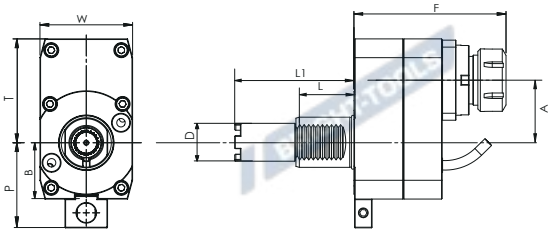



| Size | VDI | Collet | A | B | F | L | L1 | P | T | W | Nm | Internal Cooling | Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI40-DRER25-69 HAAS | 40 | ER25 | 69 | 59 | 70 | 63 | 104.85 | 82 | 36 | 75 | 60 | no | left |
| VDI40-DRER25K-69 HAAS | 40 | ER25 | 69 | 62 | 70 | 63 | 104.85 | 82 | 36 | 75 | 50 | yes | left |
| VDI40-DRER32-69 HAAS | 40 | ER32 | 69 | 59 | 74 | 63 | 104.85 | 82 | 36 | 75 | 50 | no | left |
| VDI40-DRER32K-69 HAAS | 40 | ER32 | 69 | 62 | 74 | 63 | 104.85 | 82 | 36 | 75 | 50 | yes | left |
| VDI40-DRER25-69L HAAS | 40 | ER25 | 69 | 59 | 70 | 63 | 117.55 | 82 | 36 | 75 | 50 | no | left |
| VDI40-DRER25K-69L HAAS | 40 | ER25 | 69 | 62 | 70 | 63 | 117.55 | 82 | 36 | 75 | 50 | yes | left |
| VDI40-DRER32-69L HAAS | 40 | ER32 | 69 | 59 | 74 | 63 | 117.55 | 82 | 36 | 75 | 50 | no | left |
| VDI40-DRER32K-69L HAAS | 40 | ER32 | 69 | 62 | 74 | 63 | 117.55 | 82 | 36 | 75 | 50 | yes | left |
| VDI40-DRER25-69EL HAAS | 40 | ER32 | 69 | 59 | 70 | 63 | 130.25 | 82 | 36 | 75 | 50 | no | left |
| VDI40-DRER25K-69EL HAAS | 40 | ER25 | 69 | 62 | 70 | 63 | 130.25 | 82 | 36 | 75 | 50 | yes | left |
| VDI40-DRER32-69EL HAAS | 40 | ER25 | 69 | 59 | 74 | 63 | 130.25 | 82 | 36 | 75 | 50 | no | left |
| VDI40-DRER32K-69EL HAAS | 40 | ER32 | 69 | 62 | 74 | 63 | 130.25 | 82 | 36 | 75 | 50 | yes | left |
| VDI40-DRER25-80 HAAS | 40 | ER25 | 80 | 59 | 70 | 63 | 104.85 | 82 | 33 | 75 | 50 | no | left |
| VDI40-DRER25K-80 HAAS | 40 | ER25 | 80 | 62 | 70 | 63 | 104.85 | 82 | 33 | 75 | 50 | yes | left |
| VDI40-DRER32-80 HAAS | 40 | ER32 | 80 | 59 | 74 | 63 | 104.85 | 82 | 33 | 75 | 50 | no | left |
| VDI40-DRER32K-80 HAAS | 40 | ER32 | 80 | 62 | 74 | 63 | 104.85 | 82 | 33 | 75 | 50 | yes | left |
| VDI40-DRER25-80L HAAS | 40 | ER25 | 80 | 59 | 70 | 63 | 117.55 | 82 | 33 | 75 | 50 | no | left |
| VDI40-DRER25K-80L HAAS | 40 | ER25 | 80 | 62 | 70 | 63 | 117.55 | 82 | 33 | 75 | 50 | yes | left |
| VDI40-DRER32-80L HAAS | 40 | ER32 | 80 | 59 | 74 | 63 | 117.55 | 82 | 33 | 75 | 50 | no | left |
| VDI40-DRER32K-80L HAAS | 40 | ER32 | 80 | 62 | 74 | 63 | 117.55 | 82 | 33 | 75 | 50 | yes | left |
| VDI40-DRER25-80EL HAAS | 40 | ER25 | 80 | 59 | 70 | 63 | 130.25 | 82 | 33 | 75 | 50 | no | left |
| VDI40-DRER25K-80EL HAAS | 40 | ER25 | 80 | 62 | 70 | 63 | 130.25 | 82 | 33 | 75 | 50 | yes | left |
| VDI40-DRER32-80EL HAAS | 40 | ER32 | 80 | 59 | 74 | 63 | 130.25 | 82 | 33 | 75 | 50 | no | left |
| VDI40-DRER32K-80EL HAAS | 40 | ER32 | 80 | 62 | 74 | 63 | 130.25 | 82 | 33 | 75 | 50 | yes | left |

## VDI Axial Driven Head, Offset, STEPPED HAAS
## 轴向偏心钻铣动力刀座

STEPPED HAAS



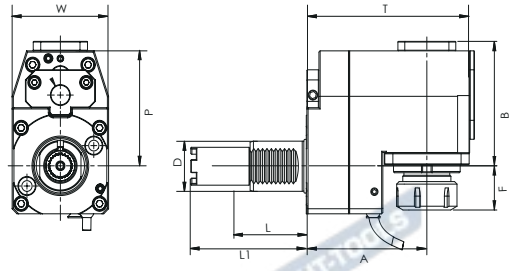



| Size | VDI | Collet | A | F | L | L1 | P | T | W | Cooling | Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI40-DOAER25-50-63 HAAS | 40 | ER25 | 50 | 106 | 63 | 140.85 | 82 | 90 | 78 | no | left |
| VDI40-DOAER25K-50-63 HAAS | 40 | ER25 | 50 | 106 | 63 | 140.85 | 82 | 90 | 78 | yes | left |
| VDI40-DOAER25-50-63L HAAS | 40 | ER25 | 50 | 106 | 63 | 117.55 | 82 | 90 | 78 | no | left |
| VDI40-DOAER25K-50-63L HAAS | 40 | ER25 | 50 | 106 | 63 | 117.55 | 82 | 90 | 78 | yes | left |
| VDI40-DOAER25-50-63EL HAAS | 40 | ER25 | 50 | 106 | 63 | 130.25 | 82 | 90 | 78 | no | left |
| VDI40-DOAER25K-50-63EL HAAS | 40 | ER25 | 50 | 106 | 63 | 130.25 | 82 | 90 | 78 | yes | left |

## VDI Radial Driven Head, Offset, STEPPED HAAS
## 径向偏心钻铣动力刀座

STEPPED HAAS





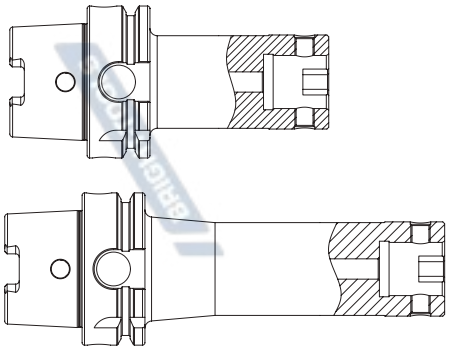

| Size | VDI | Collet | A | B | F | L | L1 | P | T | W | Cooling | Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VDI40-DORER25-120-37 HAAS | 40 | ER25 | 120 | 92 | 37 | 63 | 104.85 | 82 | 33 | 75 | no | left |
| VDI40-DORER25K-120-37 HAAS | 40 | ER25 | 120 | 95 | 37 | 63 | 104.85 | 82 | 33 | 75 | yes | left |
| VDI40-DORER32-120-37 HAAS | 40 | ER32 | 120 | 92 | 41 | 63 | 104.85 | 82 | 33 | 75 | no | left |
| VDI40-DORER32K-120-37 HAAS | 40 | ER32 | 120 | 95 | 41 | 63 | 104.85 | 82 | 33 | 75 | yes | left |
| VDI40-DORER25-120-37L HAAS | 40 | ER25 | 120 | 92 | 37 | 63 | 117.55 | 82 | 33 | 75 | no | left |
| VDI40-DORER25K-120-37L HAAS | 40 | ER25 | 120 | 95 | 37 | 63 | 117.55 | 82 | 33 | 75 | yes | left |
| VDI40-DORER32-120-37L HAAS | 40 | ER32 | 120 | 92 | 41 | 63 | 117.55 | 82 | 33 | 75 | no | left |
| VDI40-DORER32K-120-37L HAAS | 40 | ER32 | 120 | 95 | 41 | 63 | 117.55 | 82 | 33 | 75 | yes | left |
| VDI40-DORER25-120-37EL HAAS | 40 | ER25 | 120 | 92 | 37 | 63 | 130.25 | 82 | 33 | 75 | no | left |
| VDI40-DORER25K-120-37EL HAAS | 40 | ER25 | 120 | 95 | 37 | 63 | 130.25 | 82 | 33 | 75 | yes | left |
| VDI40-DORER32-120-37EL HAAS | 40 | ER32 | 120 | 92 | 41 | 63 | 130.25 | 82 | 33 | 75 | no | left |
| VDI40-DORER32K-120-37EL HAAS | 40 | ER32 | 120 | 95 | 41 | 63 | 130.25 | 82 | 33 | 75 | yes | left |

BRIGHT-TOOLS

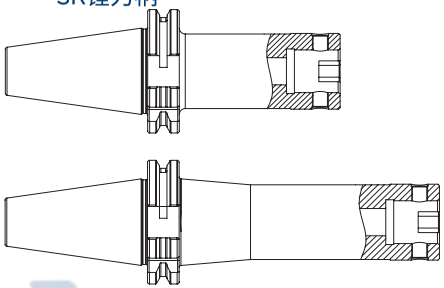
BORING TOOLS

# BORING

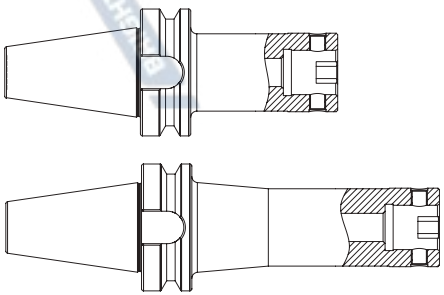
Boring Tool Holder
HSK 镗刀柄



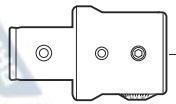
Boring Tool Holder
SK镗刀柄



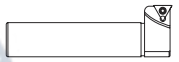
Boring Tool Holder
BT 镗刀柄



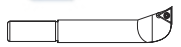
Fine boring head with small bore
小孔径精镗头



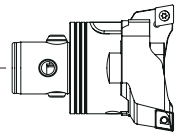
Boring Bar
镗头刀杆



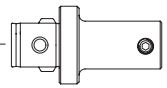
Boring Bar
镗头刀杆



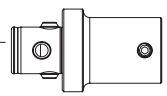
Twin Cutter Rough Boring Head
双刃粗镗刀



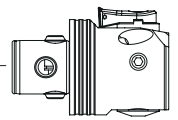
Boring Tool Holder Reducer
DCK 刀柄减径套



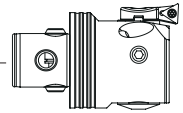
Boring Tool Holder Extension
DCK 刀柄延长器



Fine Boring Head
反精镗头



Fine Boring Head
精镗头



Insert Seat 3



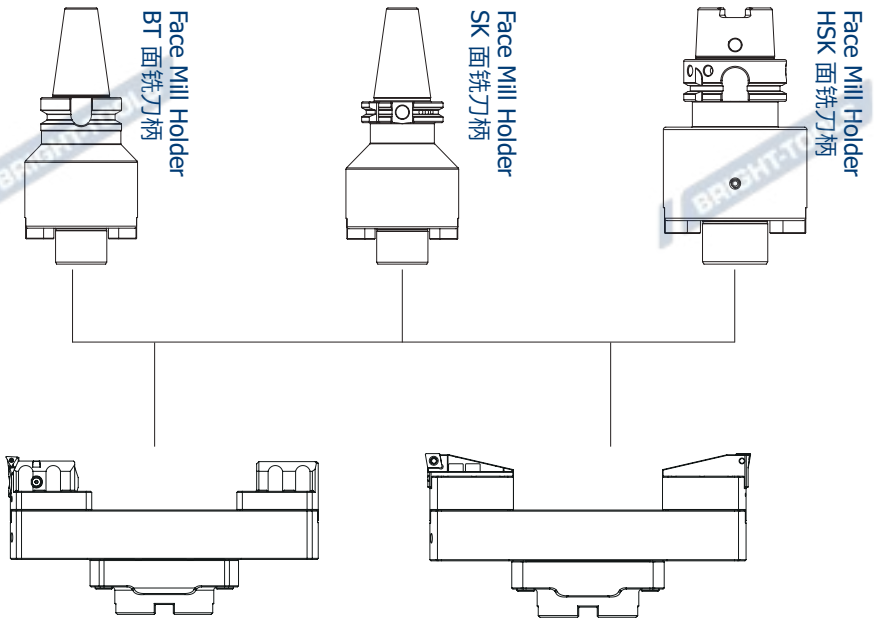
Insert Seat 2



Insert Seat 1



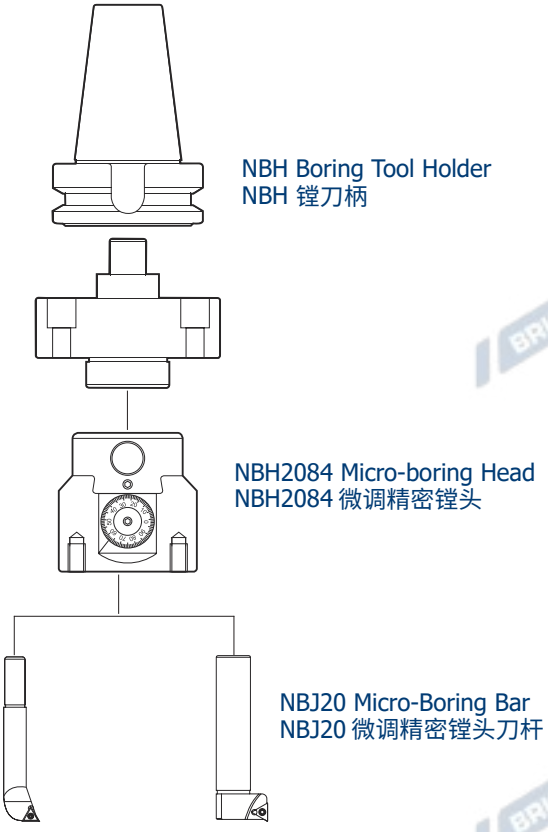
## Bridge Boring Tool Holder
## 桥镗刀柄




Bridge Fine Boring Head
桥式精镗刀

Bridge Rough Boring Head
桥式粗镗刀

## NBH Boring Tool Holder
## NBH 镗刀柄



NBH Boring Tool Holder
NBH 镗刀柄

NBH2084 Micro-boring Head
NBH2084 微调精密镗头

NBJ20 Micro-Boring Bar
NBJ20 微调精密镗头刀杆

# BORING TOOLING SYSTEM
# BORING 工具系统


BT Boring Tool Holder.....M.05
BT 镗刀柄

BBT Boring Tool Holder .....M.08
BBT 镗刀柄

SK Boring Tool Holder .....M.09
SK 镗刀柄

HSK Boring Tool Holder.....M.11
HSK 镗刀柄

BT Bridge Boring Tool Holder.....M.14
BT 桥镗刀柄

SK Bridge Boring Tool Holder.....M.14
SK 桥镗刀柄

HSK Bridge Boring Tool Holder.....M.15
HSK 桥镗刀柄

NBH Boring Tool Holder.....M.16
HSK 桥镗刀柄

Boring Tool Holder Extension.....M.17
DCK 刀柄延长器

Boring Tool Holder Reducer.....M.18
DCK 刀柄减径套

Fine Boring Head.....M.19
精镗头

Twin Cutter Rough Boring Head .....M.20
双刃粗镗刀

Bridge Fine Boring Head .....M.22
桥式精镗刀

Bridge Roring Boring Head .....M.23
桥式双刃粗镗刀

OD Turning Holders .....M.25
外镗

Small Fine Boring Head .....M.26
精镗小刀夹

Fine Boring Unit .....M.27
精镗单元

NBJ16 Fine boring head with small bore .....M.28
小孔径精镗头

NBJ16 Micro-Boring Bar .....M.28
微调精密镗头刀杆

NBJ16 Micro-boring Tool Kit.....M.29
微调精镗套装组合

NBH2084 Micro-boring Head.....M.30
微调精密镗头

NBJ20 Micro-Boring Bar.....M.30
微调精密镗头刀杆

NBJ20 Micro-boring Tool Kit.....M.31
微调精镗套装组合

DCK5-FB50P Micro-nishing Boring Kit.....M.32
极细微调精镗孔系统

DCK6-FB63P Micro-nishing Boring Kit.....M.33
极细微调精镗孔系统

Boring Tool Holder Set.....M.34
镗刀柄套装





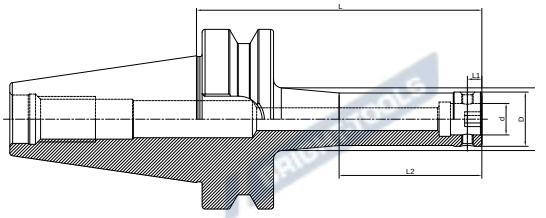





# Boring Tool Holder
# 镗刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G6.3/15000 | AD |





| Size | DCK No. | D | d | L | L2 | d1 |
|---|---|---|---|---|---|---|
| BT30-DCK1-55 | DCK1 | 19 | 11 | 55 | - | - |
| BT30-DCK1-70 | DCK1 | 19 | 11 | 70 | - | - |
| BT30-DCK2-80 | DCK2 | 24 | 14 | 80 | - | - |
| BT30-DCK3-80 | DCK3 | 31 | 18 | 80 | - | - |
| BT30-DCK4-70 | DCK4 | 39 | 22 | 70 | - | - |
| BT30-DCK5-70 | DCK5 | 50 | 28 | 70 | - | - |
| BT30-DCK6-70 | DCK6 | 64 | 36 | 70 | - | - |
| | | | | | | |
| BT40-DCK1-70 | DCK1 | 19 | 11 | 70 | - | - |
| BT40-DCK1-100T | DCK1 | 19 | 11 | 100 | 60 | 20.7 |
| BT40-DCK1-130T | DCK1 | 19 | 11 | 130 | 60 | 25.9 |
| BT40-DCK2-75 | DCK2 | 24 | 14 | 75 | - | - |
| BT40-DCK2-100 | DCK2 | 24 | 14 | 100 | - | - |
| BT40-DCK2-130T | DCK2 | 24 | 14 | 130 | 65 | 30 |
| BT40-DCK2-160T | DCK2 | 24 | 14 | 160 | 75 | 33.6 |
| BT40-DCK3-80 | DCK3 | 31 | 18 | 80 | - | - |
| BT40-DCK3-100 | DCK3 | 31 | 18 | 100 | - | - |
| BT40-DCK3-135T | DCK3 | 31 | 18 | 135 | 75 | 34.5 |
| BT40-DCK3-165T | DCK3 | 31 | 18 | 165 | 85 | 39.7 |
| BT40-DCK4-70 | DCK4 | 39 | 22 | 70 | - | - |
| BT40-DCK4-100 | DCK4 | 39 | 22 | 100 | - | - |
| BT40-DCK4-150T | DCK4 | 39 | 22 | 150 | 85 | 43.4 |
| BT40-DCK4-170T | DCK4 | 39 | 22 | 170 | 95 | 46.9 |
| | | | | | | |
| BT40-DCK5-80 | DCK5 | 50 | 28 | 80 | - | - |
| BT40-DCK5-100 | DCK5 | 50 | 28 | 100 | - | - |
| BT40-DCK5-150 | DCK5 | 50 | 28 | 150 | - | - |
| BT40-DCK5-180 | DCK5 | 50 | 28 | 180 | - | - |
| | | | | | | |
| BT40-DCK6-60 | DCK6 | 64 | 36 | 60 | - | - |
| BT40-DCK6-100 | DCK6 | 64 | 36 | 100 | - | - |
| BT40-DCK6-150 | DCK6 | 64 | 36 | 150 | - | - |
| BT40-DCK6-180 | DCK6 | 64 | 36 | 180 | - | - |

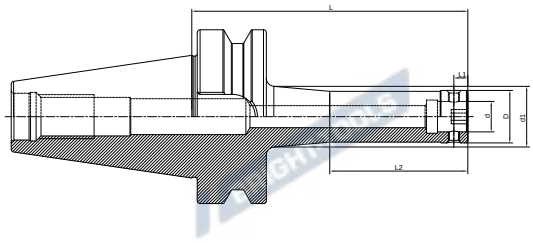
T refers to cutter side with taper design

T 代表刀具端锥柄设计

# Boring Tool Holder
# 镗刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G6.3/15000 | AD |





| Size | DCK No. | D | d | L | L2 | d1 |
|---|---|---|---|---|---|---|
| BT50-DCK1-80 | DCK1 | 19 | 11 | 80 | - | - |
| BT50-DCK1-115T | DCK1 | 19 | 11 | 115 | 50 | 22.2 |
| BT50-DCK1-145T | DCK1 | 19 | 11 | 145 | 60 | 26 |
| BT50-DCK2-80 | DCK2 | 24 | 14 | 80 | - | - |
| BT50-DCK2-105 | DCK2 | 24 | 14 | 105 | | |
| BT50-DCK2-135T | DCK2 | 24 | 14 | 135 | 65 | 26.6 |
| BT50-DCK2-165T | DCK2 | 24 | 14 | 165 | 75 | 31.9 |
| BT50-DCK3-85 | DCK3 | 31 | 18 | 85 | - | - |
| BT50-DCK3-110 | DCK3 | 31 | 18 | 110 | - | - |
| BT50-DCK3-140T | DCK3 | 31 | 18 | 140 | 75 | 34.2 |
| BT50-DCK3-170T | DCK3 | 31 | 18 | 170 | 85 | 38 |
| BT50-DCK4-100 | DCK4 | 39 | 22 | 100 | - | - |
| BT50-DCK4-160T | DCK4 | 39 | 22 | 160 | 85 | 42.5 |
| BT50-DCK4-205T | DCK4 | 39 | 22 | 205 | 95 | 50 |
| BT50-DCK5-90 | DCK5 | 50 | 28 | 90 | - | - |
| BT50-DCK5-165 | DCK5 | 50 | 28 | 165 | - | - |
| | | | | | | |
| BT50-DCK5-210T | DCK5 | 50 | 28 | 210 | 120 | 57.8 |
| BT50-DCK5-270T | DCK5 | 50 | 28 | 270 | 120 | 68.4 |
| | | | | | | |
| BT50-DCK6-85 | DCK6 | 64 | 36 | 85 | - | - |
| BT50-DCK6-155 | DCK6 | 64 | 36 | 155 | - | - |
| BT50-DCK6-215 | DCK6 | 64 | 36 | 215 | - | - |
| BT50-DCK6-250 | DCK6 | 64 | 36 | 250 | - | - |
| BT50-DCK6-300T | DCK6 | 64 | 36 | 300 | 160 | 80.5 |
| BT50-DCK6-350T | DCK6 | 64 | 36 | 350 | 160 | 90 |
| BT50-DCK7-85 | DCK7 | 90 | 46 | 85 | - | - |
| BT50-DCK7-100 | DCK7 | 90 | 46 | 100 | - | - |
| BT50-DCK7-150 | DCK7 | 90 | 46 | 150 | - | - |
| BT50-DCK7-210 | DCK7 | 90 | 46 | 210 | - | - |
| BT50-DCK7-250 | DCK7 | 90 | 46 | 250 | - | - |
| BT50-DCK7-300 | DCK7 | 90 | 46 | 300 | - | - |
| BT50-DCK7-350 | DCK7 | 90 | 46 | 350 | - | - |

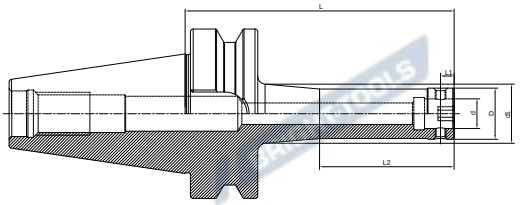
T refers to cutter side with taper design

T 代表刀具端锥柄设计

# Boring Tool Holder
# 镗刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G6.3/15000 | AD |





| Size | DCK No. | D | d | L | L2 | d1 |
|---|---|---|---|---|---|---|
| BBT40-DCK1-70 | DCK1 | 19 | 11 | 70 | - | - |
| BBT40-DCK1-100T | DCK1 | 19 | 11 | 100 | 60 | 20.7 |
| BBT40-DCK2-75 | DCK2 | 24 | 14 | 80 | - | - |
| BBT40-DCK2-100 | DCK2 | 24 | 14 | 100 | - | - |
| BBT40-DCK2-160T | DCK2 | 24 | 14 | 160 | 75 | 33.6 |
| BBT40-DCK3-80 | DCK3 | 31 | 18 | 80 | - | - |
| BBT40-DCK3-100 | DCK3 | 31 | 18 | 100 | - | - |
| BBT40-DCK3-165T | DCK3 | 31 | 18 | 165 | 85 | 39.7 |
| BBT40-DCK4-70 | DCK4 | 39 | 22 | 70 | - | - |
| BBT40-DCK4-100 | DCK4 | 39 | 22 | 100 | - | - |
| BBT40-DCK4-150T | DCK4 | 39 | 22 | 150 | 85 | 43.4 |
| | | | | | | |
| BBT40-DCK5-80 | DCK5 | 50 | 28 | 80 | - | - |
| BBT40-DCK5-100 | DCK5 | 50 | 28 | 100 | - | - |
| BBT40-DCK5-150 | DCK5 | 50 | 28 | 150 | - | - |
| BBT40-DCK5-180 | DCK5 | 50 | 28 | 180 | - | - |
| | | | | | | |
| BBT40-DCK6-60 | DCK6 | 64 | 36 | 60 | - | - |
| BBT40-DCK6-100 | DCK6 | 64 | 36 | 100 | - | - |
| BBT40-DCK6-150 | DCK6 | 64 | 36 | 150 | - | - |
| BBT40-DCK6-180 | DCK6 | 64 | 36 | 180 | - | - |

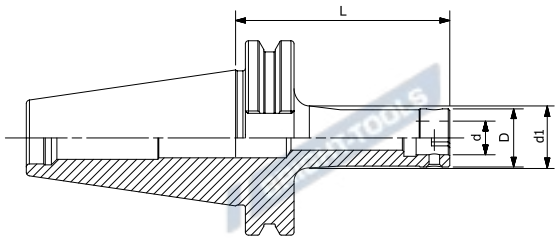
T refers to cutter side with taper design

T 代表刀具端锥柄设计

# Boring Tool Holder
# 镗刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G6.3/15000 | AD |






| Size | DCK No. | D | d | L | L2 | d1 |
|---|---|---|---|---|---|---|
| SK30-DCK1-70 | DCK1 | 19 | 11 | 70 | - | - |
| SK30-DCK2-70 | DCK2 | 24 | 14 | 70 | - | - |
| SK30-DCK3-70 | DCK3 | 31 | 18 | 70 | - | - |
| SK30-DCK4-70 | DCK4 | 39 | 22 | 70 | - | - |
| SK30-DCK5-70 | DCK5 | 50 | 28 | 70 | - | - |
| SK30-DCK6-80 | DCK6 | 64 | 36 | 80 | - | - |
| | | | | | | |
| SK40-DCK1-70 | DCK1 | 19 | 11 | 70 | - | - |
| SK40-DCK1-100T | DCK1 | 19 | 11 | 100 | 60 | 23.5 |
| SK40-DCK2-70 | DCK2 | 24 | 14 | 70 | - | - |
| SK40-DCK2-100 | DCK2 | 24 | 14 | 100 | - | - |
| SK40-DCK2-130T | DCK2 | 24 | 14 | 130 | 75 | 31.1 |
| SK40-DCK2-160T | DCK2 | 24 | 14 | 160 | 75 | 34.6 |
| SK40-DCK3-80 | DCK3 | 31 | 18 | 80 | - | - |
| SK40-DCK3-100 | DCK3 | 31 | 18 | 100 | - | - |
| SK40-DCK3-130T | DCK3 | 31 | 18 | 130 | 85 | 31.6 |
| SK40-DCK3-160T | DCK3 | 31 | 18 | 160 | 85 | 41.4 |
| SK40-DCK4-70 | DCK4 | 39 | 22 | 70 | - | - |
| SK40-DCK4-100 | DCK4 | 39 | 22 | 100 | - | - |
| SK40-DCK4-150T | DCK4 | 39 | 22 | 150 | 95 | 46.8 |
| | | | | | | |
| SK40-DCK5-80 | DCK5 | 50 | 28 | 50 | - | - |
| SK40-DCK5-100 | DCK5 | 50 | 28 | 100 | - | - |
| SK40-DCK5-150 | DCK5 | 50 | 28 | 150 | - | - |
| SK40-DCK5-180 | DCK5 | 50 | 28 | 180 | - | - |
| SK40-DCK6-90 | DCK6 | 64 | 36 | 90 | - | - |
| SK40-DCK6-150 | DCK6 | 64 | 36 | 150 | - | - |
| SK40-DCK6-180 | DCK6 | 64 | 36 | 180 | - | - |
| SK40-DCK7-100 | DCK7 | 90 | 46 | 100 | - | - |

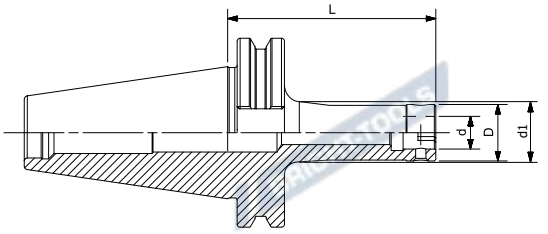
T refers to cutter side with taper design

T 代表刀具端锥柄设计

# Boring Tool Holder
# 镗刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G6.3/15000 | AD |






| Size | DCK No. | D | d | L | L2 | d1 |
|---|---|---|---|---|---|---|
| SK50-DCK1-80 | DCK1 | 19 | 11 | 80 | - | - |
| SK50-DCK1-115 | DCK1 | 19 | 11 | 115 | 60 | 25.8 |
| SK50-DCK1-145 | DCK1 | 19 | 11 | 145 | 60 | 29.3 |
| SK50-DCK2-80 | DCK2 | 24 | 14 | 80 | - | - |
| SK50-DCK2-105 | DCK2 | 24 | 14 | 105 | - | - |
| SK50-DCK2-135T | DCK2 | 24 | 14 | 135 | 75 | 31.7 |
| SK50-DCK2-165T | DCK2 | 24 | 14 | 165 | 75 | 35.2 |
| SK50-DCK3-85 | DCK3 | 31 | 18 | 85 | - | - |
| SK50-DCK3-110 | DCK3 | 31 | 18 | 110 | - | - |
| SK50-DCK3-140T | DCK3 | 31 | 18 | 140 | 85 | 37.8 |
| SK50-DCK3-170T | DCK3 | 31 | 18 | 170 | 85 | 41.3 |
| SK50-DCK4-70 | DCK4 | 39 | 22 | 70 | - | - |
| SK50-DCK4-100 | DCK4 | 39 | 22 | 100 | - | - |
| SK50-DCK4-160T | DCK4 | 39 | 22 | 160 | 95 | 47.5 |
| SK50-DCK4-200T | DCK4 | 39 | 22 | 200 | 95 | 53.7 |
| SK50-DCK5-90 | DCK5 | 50 | 28 | 90 | - | - |
| SK50-DCK5-160 | DCK5 | 50 | 28 | 160 | - | - |
| SK50-DCK5-210T | DCK5 | 50 | 28 | 210 | 120 | 61.2 |
| SK50-DCK5-250T | DCK5 | 50 | 28 | 250 | 120 | 71.7 |
| SK50-DCK6-90 | DCK6 | 64 | 36 | 90 | - | - |
| SK50-DCK6-160 | DCK6 | 64 | 36 | 160 | - | - |
| SK50-DCK6-200 | DCK6 | 64 | 36 | 200 | - | - |
| SK50-DCK6-250 | DCK6 | 64 | 36 | 250 | - | - |
| SK50-DCK6-300T | DCK6 | 64 | 36 | 300 | 160 | 75 |
| SK50-DCK7-85 | DCK7 | 90 | 46 | 85 | | |
| SK50-DCK7-100 | DCK7 | 90 | 46 | 100 | - | - |
| SK50-DCK7-150 | DCK7 | 90 | 46 | 150 | - | - |
| SK50-DCK7-210 | DCK7 | 90 | 46 | 210 | - | - |
| SK50-DCK7-250 | DCK7 | 90 | 46 | 250 | - | - |
| SK50-DCK7-300 | DCK7 | 90 | 46 | 300 | - | - |
| SK50-DCK7-350 | DCK7 | 90 | 46 | 350 | - | - |

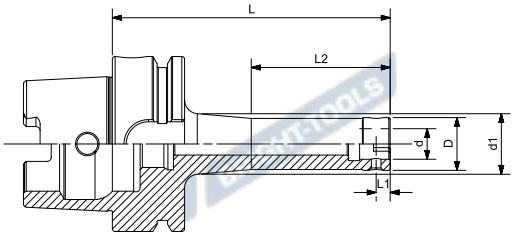
T refers to cutter side with taper design

T 代表刀具端锥柄设计

# Boring Tool Holder
# 镗刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G6.3/15000 | AD |






| Size | DCK No. | D | d | L | L2 | d1 |
|---|---|---|---|---|---|---|
| HSK40A-DCK1-75 | DCK1 | 19 | 11 | 75 | - | - |
| HSK40A-DCK2-85 | DCK2 | 24 | 14 | 85 | - | - |
| HSK40A-DCK3-80 | DCK3 | 31 | 18 | 80 | - | - |
| HSK40A-DCK4-75 | DCK4 | 39 | 22 | 75 | - | - |
| | | | | | - | - |
| HSK50A-DCK1-75 | DCK1 | 19 | 11 | 75 | - | - |
| HSK50A-DCK2-85 | DCK2 | 24 | 14 | 85 | - | - |
| HSK50A-DCK3-80 | DCK3 | 31 | 18 | 80 | - | - |
| HSK50A-DCK4-75 | DCK4 | 39 | 22 | 75 | - | - |
| HSK50A-DCK5-85 | DCK5 | 50 | 28 | 85 | - | - |
| | | | | | | |
| HSK63A-DCK1-70 | DCK1 | 19 | 11 | 70 | - | - |
| HSK63A-DCK1-100T | DCK1 | 19 | 11 | 100 | 50 | 21.8 |
| HSK63A-DCK2-75 | DCK2 | 24 | 14 | 75 | - | - |
| HSK63A-DCK2-100 | DCK2 | 24 | 14 | 100 | - | - |
| HSK63A-DCK2-130T | DCK2 | 24 | 14 | 130 | 65 | 31 |
| HSK63A-DCK3-80 | DCK3 | 31 | 18 | 80 | - | - |
| HSK63A-DCK3-100 | DCK3 | 31 | 18 | 100 | - | - |
| HSK63A-DCK3-135T | DCK3 | 31 | 18 | 135 | 75 | 37 |
| HSK63A-DCK3-165T | DCK3 | 31 | 18 | 165 | 85 | 41 |
| HSK63A-DCK4-70 | DCK4 | 39 | 22 | 70 | - | - |
| HSK63A-DCK4-100 | DCK4 | 39 | 22 | 100 | - | - |
| HSK63A-DCK4-150T | DCK4 | 39 | 22 | 150 | 95 | 44 |
| HSK63A-DCK4-170T | DCK4 | 39 | 22 | 170 | 95 | 47.5 |
| HSK63A-DCK5-80 | DCK5 | 50 | 28 | 80 | - | - |
| HSK63A-DCK5-100 | DCK5 | 50 | 28 | 100 | - | - |
| HSK63A-DCK5-150 | DCK5 | 50 | 28 | 150 | - | - |
| HSK63A-DCK5-180 | DCK5 | 50 | 28 | 180 | - | - |
| HSK63A-DCK6-100 | DCK6 | 64 | 36 | 100 | - | - |
| HSK63A-DCK6-150 | DCK6 | 64 | 36 | 150 | - | - |
| HSK63A-DCK6-180 | DCK6 | 64 | 36 | 180 | - | - |

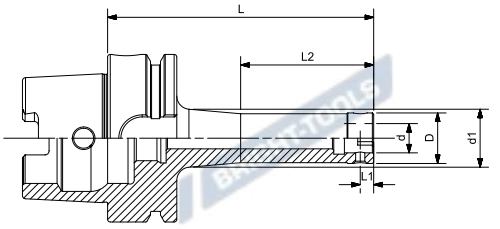
T refers to cutter side with taper design

T 代表刀具端锥柄设计

# Boring Tool Holder
# 镗刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G6.3/15000 | AD |



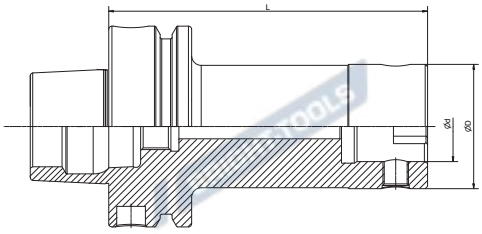



| Size | DCK No. | D | d | L | L2 | d1 |
|---|---|---|---|---|---|---|
| HSK100A-DCK1-80 | DCK1 | 19 | 11 | 80 | - | - |
| HSK100A-DCK1-115T | DCK1 | 19 | 11 | 115 | 50 | 24 |
| HSK100A-DCK1-145T | DCK1 | 19 | 11 | 145 | 60 | 27.5 |
| HSK100A-DCK2-80 | DCK2 | 24 | 14 | 80 | - | - |
| HSK100A-DCK2-105 | DCK2 | 24 | 14 | 105 | - | - |
| HSK100A-DCK2-135T | DCK2 | 24 | 14 | 135 | 65 | 30 |
| HSK100A-DCK2-165T | DCK2 | 24 | 14 | 165 | 75 | 33.5 |
| HSK100A-DCK2-85 | DCK3 | 31 | 18 | 85 | - | - |
| HSK100A-DCK3-110 | DCK3 | 31 | 18 | 110 | - | - |
| HSK100A-DCK3-140T | DCK3 | 31 | 18 | 140 | 75 | 35.5 |
| HSK100A-DCK3-170T | DCK3 | 31 | 18 | 170 | 85 | 41 |
| HSK100A-DCK4-100 | DCK4 | 39 | 22 | 100 | - | - |
| HSK100A-DCK4-160T | DCK4 | 39 | 22 | 160 | 58 | 47 |
| HSK100A-DCK4-205T | DCK4 | 39 | 22 | 205 | 110 | 50.5 |
| HSK100A-DCK5-90 | DCK5 | 50 | 28 | 90 | - | - |
| HSK100A-DCK5-165 | DCK5 | 50 | 28 | 165 | - | - |
| HSK100A-DCK5-210T | DCK5 | 50 | 28 | 210 | 120 | 61 |
| HSK100A-DCK5-270T | DCK5 | 50 | 28 | 270 | 130 | 69.5 |
| HSK100A-DCK6-85 | DCK6 | 64 | 36 | 85 | - | - |
| HSK100A-DCK6-155 | DCK6 | 64 | 36 | 155 | - | - |
| HSK100A-DCK6-215 | DCK6 | 64 | 36 | 215 | - | - |
| HSK100A-DCK6-250 | DCK6 | 64 | 36 | 250 | - | - |
| HSK100A-DCK6-300T | DCK6 | 64 | 36 | 300 | 180 | 80 |
| HSK100A-DCK7-125 | DCK7 | 90 | 46 | 125 | - | - |
| HSK100A-DCK7-200 | DCK7 | 90 | 46 | 200 | - | - |
| HSK100A-DCK7-275 | DCK7 | 90 | 46 | 275 | - | - |

## Boring Tool Holder
## 镗刀柄

| A ↗ | RPM | |
|---|---|---|
| ≤0.003 | G6.3/15000 | AD |



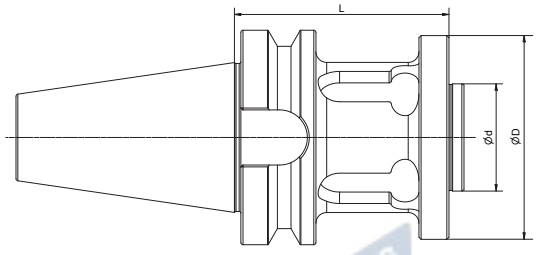


| Size | DCK No. | D | d | L |
|---|---|---|---|---|
| HSK63F-DCK1-70 | DCK1 | 19 | 11 | 70 |
| HSK63F-DCK2-75 | DCK2 | 24 | 14 | 75 |
| HSK63F-DCK3-80 | DCK3 | 31 | 18 | 80 |
| HSK63F-DCK4-70 | DCK4 | 39 | 22 | 70 |
| HSK63F-DCK5-80 | DCK5 | 50 | 28 | 80 |



## Bridge Boring Tool Holder
## BST 桥镗刀柄

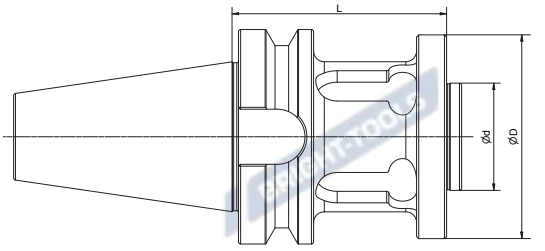




| Size | D | d | L |
|---|---|---|---|
| BT40-BST-60 | 95 | 50 | 60 |
| BT40-BST-100 | 95 | 50 | 100 |
| BT40-BST-150 | 95 | 50 | 150 |
| BT50-BST-100 | 95 | 50 | 100 |
| BT50-BST-150 | 95 | 50 | 150 |
| BT50-BST-200 | 95 | 50 | 200 |
| BT50-BST-250 | 95 | 50 | 250 |
| BT50-BST-300 | 95 | 50 | 300 |
| BT50-BST-350 | 95 | 50 | 350 |
| BT50-BST-400 | 95 | 50 | 400 |
| BT50-BST-450 | 95 | 50 | 450 |
| BT50-BST-500 | 95 | 50 | 500 |

## Bridge Boring Tool Holder
## BST 桥镗刀柄



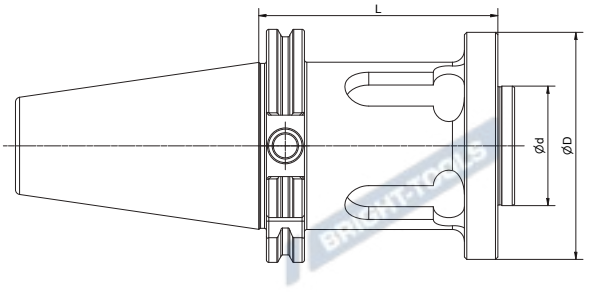



| Size | D | d | L |
|---|---|---|---|
| BBT40-BST-60 | 95 | 50 | 60 |
| BBT40-BST-100 | 95 | 50 | 100 |
| BBT40-BST-150 | 95 | 50 | 150 |
| BBT50-BST-100 | 95 | 50 | 100 |
| BBT50-BST-150 | 95 | 50 | 150 |
| BBT50-BST-200 | 95 | 50 | 200 |
| BBT50-BST-250 | 95 | 50 | 250 |
| BBT50-BST-300 | 95 | 50 | 300 |
| BBT50-BST-350 | 95 | 50 | 350 |
| BBT50-BST-400 | 95 | 50 | 400 |



## Bridge Boring Tool Holder
## BST 桥镗刀柄

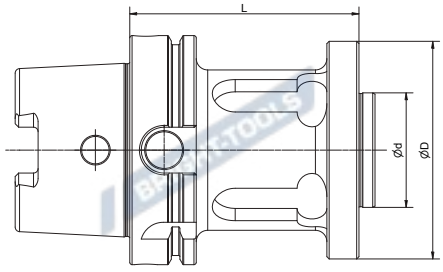





| Size | D | d | L |
|---|---|---|---|
| SK40-BST-60 | 95 | 50 | 60 |
| SK40-BST-100 | 95 | 50 | 100 |
| SK50-BST-100 | 95 | 50 | 100 |
| SK50-BST-150 | 95 | 50 | 150 |
| SK50-BST-200 | 95 | 50 | 200 |
| SK50-BST-250 | 95 | 50 | 250 |
| SK50-BST-300 | 95 | 50 | 300 |
| SK50-BST-350 | 95 | 50 | 350 |
| SK50-BST-400 | 95 | 50 | 400 |
| SK50-BST-450 | 95 | 50 | 450 |

# Bridge Boring Tool Holder
# BST 桥镗刀柄

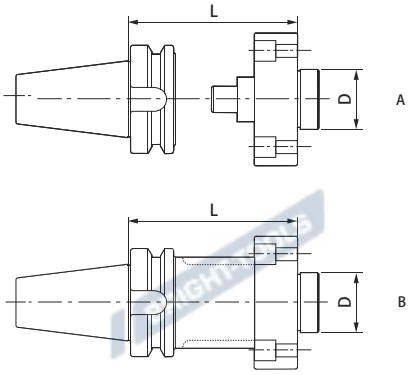





| Size | D | d | L |
|---|---|---|---|
| HSK63A-BST-60 | 95 | 50 | 60 |
| HSK63A-BST-100 | 95 | 50 | 100 |
| HSK100A-BST-100 | 95 | 50 | 100 |
| HSK100A-BST-150 | 95 | 50 | 150 |
| HSK100A-BST-200 | 95 | 50 | 200 |
| HSK100A-BST-250 | 95 | 50 | 250 |
| HSK100A-BST-300 | 95 | 50 | 300 |

# NBH Boring Tool Holder
# NBH 镗刀柄

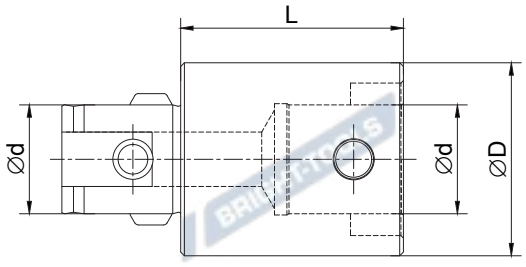





| Size | Design | D | L | Wt |
|---|---|---|---|---|
| BT40-NBH-A50 | A | 35 | 50 | 1.78 |
| BT50-NBH-A50 | A | 35 | 50 | 4.16 |
| | | | | |
| BT40-NBH-B100 | B | 35 | 100 | 2.23 |
| BT50-NBH-B100 | B | 35 | 100 | 4.84 |
| BT50-NBH-B165 | B | 35 | 165 | 6.23 |
| BT50-NBH-B200 | B | 35 | 200 | 7.01 |
| BT50-NBH-B250 | B | 35 | 250 | 7.96 |
| BT50-NBH-B300 | B | 35 | 300 | 9.07 |

# Boring Tool Holder Extension
# DCK 刀柄延长器



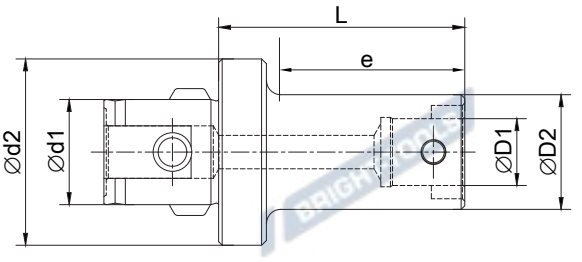



| Size | DCK No. | d | D | L |
|---|---|---|---|---|
| DCK1-1-30 | 11 | 11 | 19 | 30 |
| DCK1-1-100 | 11 | 11 | 19 | 100 |
| DCK2-2-30 | 14 | 14 | 24 | 30 |
| DCK2-2-100 | 14 | 14 | 24 | 100 |
| DCK2-2-150 | 14 | 14 | 24 | 150 |
| DCK3-3-30 | 18 | 18 | 31 | 30 |
| DCK3-3-100 | 18 | 18 | 31 | 100 |
| DCK3-3-150 | 18 | 18 | 31 | 150 |
| DCK4-4-45 | 22 | 22 | 39 | 45 |
| DCK4-4-100 | 22 | 22 | 39 | 100 |
| DCK4-4-150 | 22 | 22 | 39 | 150 |
| DCK5-5-60 | 28 | 28 | 50 | 60 |
| DCK5-5-100 | 28 | 28 | 50 | 100 |
| DCK5-5-150 | 28 | 28 | 50 | 150 |
| DCK6-6-60 | 36 | 36 | 64 | 60 |
| DCK6-6-100 | 36 | 36 | 64 | 100 |
| DCK6-6-150 | 36 | 36 | 64 | 150 |

Usage: connect boring tool holder and boring head, to extend the working depth.
用途：连接镗刀架和镗头，延长工作深度。

# Boring Tool Holder Reducer
# DCK 刀柄减径套



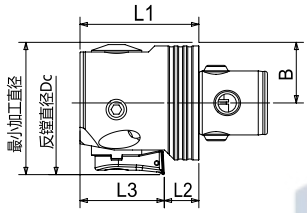


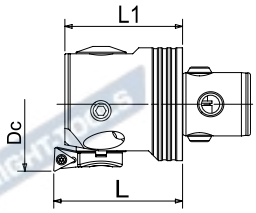

| Size | d1 | d2 | D1 | D2 | L | e |
|---|---|---|---|---|---|---|
| DCK2-1-36 | 14 | 24 | 11 | 19 | 36 | 30 |
| DCK3-1-41 | 18 | 31 | 11 | 19 | 41 | 30 |
| DCK3-2-37 | 18 | 31 | 14 | 24 | 37 | 25 |
| DCK4-1-58 | 22 | 39 | 11 | 19 | 58 | 40 |
| DCK4-2-50 | 22 | 39 | 14 | 24 | 50 | 36 |
| DCK4-3-50 | 22 | 39 | 18 | 31 | 50 | 37 |
| DCK5-1-60 | 28 | 50 | 11 | 19 | 60 | 40 |
| DCK5-2-54 | 28 | 50 | 14 | 24 | 54 | 35 |
| DCK5-2-74 | 28 | 50 | 14 | 24 | 74 | 55 |
| DCK5-3-47 | 28 | 50 | 18 | 31 | 47 | 29 |
| DCK5-3-72 | 28 | 50 | 18 | 31 | 72 | 54 |
| DCK5-4-42 | 28 | 50 | 22 | 39 | 42 | 25 |
| DCK5-4-67 | 28 | 50 | 22 | 39 | 67 | 50 |
| DCK6-1-70 | 36 | 64 | 11 | 19 | 70 | 40 |
| DCK6-2-63 | 36 | 64 | 14 | 24 | 63 | 45 |
| DCK6-2-93 | 36 | 64 | 14 | 24 | 93 | 75 |
| DCK6-3-56 | 36 | 64 | 18 | 31 | 56 | 39 |
| DCK6-3-96 | 36 | 64 | 18 | 31 | 96 | 79 |
| DCK6-4-51 | 36 | 64 | 22 | 39 | 51 | 35 |
| DCK6-4-101 | 36 | 64 | 22 | 39 | 101 | 85 |
| DCK6-5-41 | 36 | 64 | 28 | 50 | 41 | 25 |
| DCK6-5-91 | 36 | 64 | 28 | 50 | 91 | 75 |
| DCK7-6-106 | 46 | 90 | 36 | 64 | 106 | 99 |

Usage: to connect with small size boring head.
用途：用于连接小型镗头。

# Fine Boring Head
## 精镗头





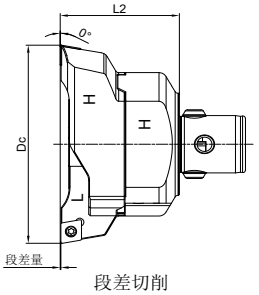

| Size | Insert Seat | DCK NO. | R Boring | | | F Back Boring | | | | Insert |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | DC | L | L1 | Dc | L2 | L3 | B | |
| DCK1-F2036 | F1-1 | DCK1 | 20-26 | 32 | 30.5 | - | 10.5 | 20 | 10 | TP08 |
| | F1-2 | DCK1 | 25-31 | 32 | 30.5 | 30-31 | 10.5 | 20 | 10 | TP08 |
| | F1-3 | DCK1 | 30-36 | 32 | 30.5 | 30-36 | 10.5 | 20 | 10 | TP08 |
| DCK2-F2547 | F2-1 | DCK2 | 25-33 | 36 | 33 | - | 11.5 | 21.5 | 12.5 | TP08 |
| | F2-2 | DCK2 | 32-40 | 36 | 33 | 36-40 | 11.5 | 21.5 | 12.5 | TP08 |
| | F2-3 | DCK2 | 39-47 | 36 | 33 | 39-47 | 11.5 | 21.5 | 12.5 | TP08 |
| DCK3-F3260 | F3-1 | DCK3 | 32-42 | 40 | 37 | - | 10 | 27 | 16 | TP08 |
| | F3-2 | DCK3 | 41-51 | 40 | 37 | 46-51 | 10 | 27 | 16 | TP08 |
| | F3-3 | DCK3 | 50-60 | 40 | 37 | 50-60 | 10 | 27 | 16 | TP08 |
| DCK4-F4174 | F4-1 | DCK4 | 41-54 | 46 | 43 | - | 14 | 29 | 20 | TC11 |
| | F4-2 | DCK4 | 50-63 | 46 | 43 | 53-63 | 14 | 29 | 20 | TC11 |
| | F4-3 | DCK4 | 61-74 | 46 | 43 | 61-74 | 14 | 29 | 20 | TC11 |
| DCK5-F5395 | F5-1 | DCK5 | 53-70 | 57 | 52 | 62-70 | 19 | 33 | 25.5 | TC11 |
| | F5-2 | DCK5 | 65-82 | 57 | 52 | 69-82 | 19 | 33 | 25.5 | TC11 |
| | F5-3 | DCK5 | 78-95 | 57 | 52 | 78-95 | 19 | 33 | 25.5 | TC11 |
| DCK6-F68150 | F6-1 | DCK6 | 68-100 | 71 | 67 | 80-100 | 22 | 45 | 32.5 | TC11 |
| | F6-2 | DCK6 | 94-126 | 71 | 67 | 94-126 | 22 | 45 | 32.5 | TC11 |
| | F6-3 | DCK6 | 118-150 | 71 | 67 | 118-150 | 22 | 45 | 32.5 | TC11 |
| DCK6-F100203 | F6-1 | DCK6 | 100-153 | 71 | 67 | 112-153 | 22 | 45 | 45.5 | TC11 |
| | F6-2 | DCK6 | 126-179 | 71 | 67 | 126-179 | 22 | 45 | 45.5 | TC11 |
| | F6-3 | DCK6 | 150-203 | 71 | 67 | 150-203 | 22 | 45 | 45.5 | TC11 |

**Delivery:** inserts excluded, please purchase separately.
Please specify boring head and insert seat size.

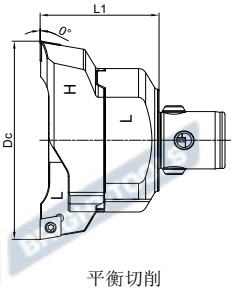
交货方式：不包括刀片，请单独购买。
请注明镗头和镗座尺寸。

# Twin Cutter Rough Boring Head, SP/SC
## 双刃粗镗刀





段差切削



平衡切削

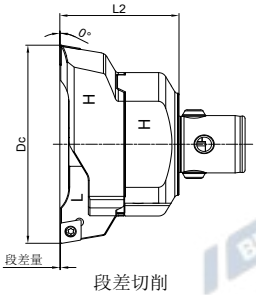
| Size | Boring Body | Dc | Insert Seat | L | L2 | Step | Insert | Screw | Wrench |
|---|---|---|---|---|---|---|---|---|---|
| DCK1-R2026-SP06 | DCK1-R2026 | 20-26 | R2026-SP06-H | 33 | 33.1 | 0.2 | SP06 | M2.2X6 | T8 |
| | | 20-26 | R2026-SP06-L | 33 | 33.1 | 0.2 | SP06 | M2.2X6 | T8 |
| DCK2-R2533-SP06 | DCK2-R2533 | 25-33 | R2533-SP06-H | 36 | 36.1 | 0.2 | SP06 | M2.2X6 | T8 |
| | | 25-33 | R2533-SP06-L | 36 | 36.1 | 0.2 | SP06 | M2.2X6 | T8 |
| DCK3-R3242-SC09 | DCK3-R3242 | 32-42 | R3242-SC09-H | 40 | 40.2 | 0.2 | SC09 | M4.0X10 | T15 |
| | | 32-42 | R3242-SC09-L | 40 | 40.2 | 0.2 | SC09 | M4.0X10 | T15 |
| DCK4-R4154-SC09 | DCK4-R4154 | 41-54 | R4154-SC09-H | 47 | 47.2 | 0.4 | SC09 | M4.0X10 | T15 |
| | | 41-54 | R4154-SC09-L | 47 | 47.2 | 0.4 | SC09 | M4.0X10 | T15 |
| DCK5-R5370-SC09 | DCK5-R5370 | 53-70 | R5370-SC09-H | 58 | 58.2 | 0.4 | SC12 | M4.0X10 | T15 |
| | | 53-70 | R5370-SC09-L | 58 | 58.2 | 0.4 | SC12 | M4.0X10 | T15 |
| DCK6-R6890-SC12 | DCK6-R68110 | 68-90 | R6890-SC12-H | 72 | 72.2 | 0.4 | SC12 | M5.0X12 | T20 |
| | | 68-90 | R6890-SC12-L | 72 | 72.2 | 0.4 | SC12 | M5.0X12 | T20 |
| DCK6-R88110-SC12 | DCK6-R68110 | 88-110 | R88110-SC12-H | 72 | 72.2 | 0.4 | SC12 | M5.0X12 | T20 |
| | | 88-110 | R88110-SC12-L | 72 | 72.2 | 0.4 | SC12 | M5.0X12 | T20 |
| DCK6-R98126-SC12 | DCK6-R98153 | 98-126 | R98126-SC12-H | 72 | 72.2 | 0.4 | SC12 | M5.0X12 | T20 |
| | | 98-126 | R98126-SC12-L | 72 | 72.2 | 0.4 | SC12 | M5.0X12 | T20 |
| DCK6-R125153-SC12 | DCK6-R98153 | 125-153 | R125153-SC12-H | 72 | 72.2 | 0.4 | SC12 | M5.0X12 | T20 |
| | | 125-153 | R125153-SC12-L | 72 | 72.2 | 0.4 | SC12 | M5.0X12 | T20 |
| DCK6-R150203-SC12 | DCK6-R150203 | 150-203 | R150203-SC12-L | 95 | 95.2 | 0.4 | SC12 | M5.0X12 | T20 |
| | | 150-203 | R150203-SC12-H | 95 | 95.2 | 0.4 | SC12 | M5.0X12 | T20 |
| DCK7-R150203-SC12 | DCK7-R150203 | 150-203 | R150203-SC12-L | 105 | 105.2 | 0.4 | SC12 | M5.0X12 | T20 |
| | | 150-203 | R150203-SC12-H | 105 | 105.2 | 0.4 | SC12 | M5.0X12 | T20 |

Cooling: boring head with internal cooling
Order: please specify boring head and insert seat size.
Inserts excluded, please purchase separately.
Usage: connect with boring tool holder for rough boring operation.

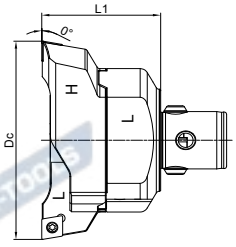
冷却：镗头带内部冷却
订购：请注明镗头和刀片座尺寸。
刀片不包括在内，请单独购买。
用途：与镗刀架连接，用于粗镗操作。

# Twin Cutter Rough Boring Head, CC
## 双刃粗镗刀





段差切削



平衡切削

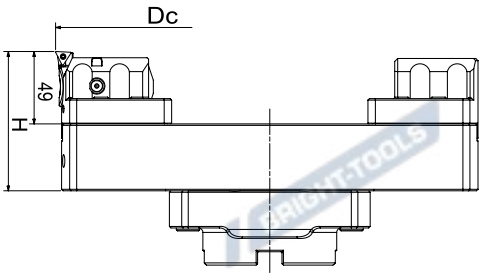
| Size | Boring Body | Dc | Insert Seat | L | L2 | Step | Insert | Screw | Wrench |
|---|---|---|---|---|---|---|---|---|---|
| DCK1-R2026-SP06 | DCK1-R2026 | 20-26 | R2026-CC06-H | 33 | 33.1 | 0.2 | CC06 | M2.2X6 | T8 |
| | | 20-26 | R2026-CC06-L | 33 | 33.1 | 0.2 | CC06 | M2.2X6 | T8 |
| DCK2-R2533-SP06 | DCK2-R2533 | 25-33 | R2533-CC06-H | 36 | 36.1 | 0.2 | CC06 | M2.2X6 | T8 |
| | | 25-33 | R2533-CC06-L | 36 | 36.1 | 0.2 | CC06 | M2.2X6 | T8 |
| DCK3-R3242-CC09 | DCK3-R3242 | 32-42 | R3242-CC09-H | 40 | 40.2 | 0.2 | CC09 | M4.0X10 | T15 |
| | | 32-42 | R3242-CC09-L | 40 | 40.2 | 0.2 | CC09 | M4.0X10 | T15 |
| DCK4-R4154-CC09 | DCK4-R4154 | 41-54 | R4154-CC09-H | 47 | 47.2 | 0.4 | CC09 | M4.0X10 | T15 |
| | | 41-54 | R4154-CC09-L | 47 | 47.2 | 0.4 | CC09 | M4.0X10 | T15 |
| DCK5-R5370-CC09 | DCK5-R5370 | 53-70 | R5370-CC09-H | 58 | 58.2 | 0.4 | CC12 | M4.0X10 | T15 |
| | | 53-70 | R5370-CC09-L | 58 | 58.2 | 0.4 | CC12 | M4.0X10 | T15 |
| DCK6-R6890-CC12 | DCK6-R68110 | 68-90 | R6890-CC12-H | 72 | 72.2 | 0.4 | CC12 | M5.0X12 | T20 |
| | | 68-90 | R6890-CC12-L | 72 | 72.2 | 0.4 | CC12 | M5.0X12 | T20 |
| DCK6-R88110-CC12 | DCK6-R68110 | 88-110 | R88110-CC12-H | 72 | 72.2 | 0.4 | CC12 | M5.0X12 | T20 |
| | | 88-110 | R88110-CC12-L | 72 | 72.2 | 0.4 | CC12 | M5.0X12 | T20 |
| DCK6-R98126-CC12 | DCK6-R98153 | 98-126 | R98126-CC12-H | 72 | 72.2 | 0.4 | CC12 | M5.0X12 | T20 |
| | | 98-126 | R98126-CC12-L | 72 | 72.2 | 0.4 | CC12 | M5.0X12 | T20 |
| DCK6-R125153-CC12 | DCK6-R98153 | 125-153 | R125153-CC12-H | 72 | 72.2 | 0.4 | CC12 | M5.0X12 | T20 |
| | | 125-153 | R125153-CC12-L | 72 | 72.2 | 0.4 | CC12 | M5.0X12 | T20 |
| DCK6-R150203-CC12 | DCK6-R150203 | 150-203 | R150203-CC12-L | 95 | 95.2 | 0.4 | CC12 | M5.0X12 | T20 |
| | | 150-203 | R150203-CC12-H | 95 | 95.2 | 0.4 | CC12 | M5.0X12 | T20 |
| DCK7-R150203-CC12 | DCK7-R150203 | 150-203 | R150203-CC12-L | 105 | 105.2 | 0.4 | CC12 | M5.0X12 | T20 |
| | | 150-203 | R150203-CC12-H | 105 | 105.2 | 0.4 | CC12 | M5.0X12 | T20 |

Cooling: boring head with internal cooling
Order: please specify boring head and insert seat size.
Inserts excluded, please purchase separately.
Usage: connect with boring tool holder for rough boring operation.

冷却：镗头带内部冷却
订购：请注明镗头和刀片座尺寸。
刀片不包括在内，请单独购买。
用途：与镗刀架连接，用于粗镗操作。

## Bridge Fine Boring Head, Standard
## 桥式精镗刀，标准钢制

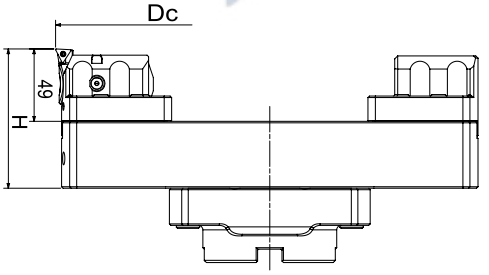





| Size | Dc | Flange Seat | Bridge | Boring Slide | Balance Block | Insert Seat | H | Insert | Cooling | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| BF200308-TC11 | 200-282 | SL-135-40 | SL200290 | BF-78 | BF-73 | F6-1 | 94 | TC1102 | INT | 6.6 |
| BF290398-TC11 | 290-372 | SL-135-40 | SL290380 | BF-78 | BF-73 | F6-1 | 94 | TC1102 | INT | 8.8 |
| BF380488-TC11 | 380-462 | SL-135-40 | SL380470 | BF-78 | BF-73 | F6-1 | 94 | TC1102 | INT | 11.0 |
| BF470578-TC11 | 470-552 | SL-135-40 | SL470560 | BF-78 | BF-73 | F6-1 | 99 | TC1102 | EXT | 14.1 |
| BF560668-TC11 | 560-642 | SL-235-60 | SL560650 | BF-78 | BF-73 | F6-1 | 99 | TC1102 | EXT | 16.7 |
| BF650758-TC11 | 650-732 | SL-235-60 | SL650740 | BF-78 | BF-73 | F6-1 | 104 | TC1102 | EXT | 20.9 |
| BF740848-TC11 | 740-812 | SL-235-60 | SL740830 | BF-78 | BF-73 | F6-1 | 109 | TC1102 | EXT | 23.4 |

## Bridge Fine Boring Head, Light
## 桥式精镗刀，轻型铝制



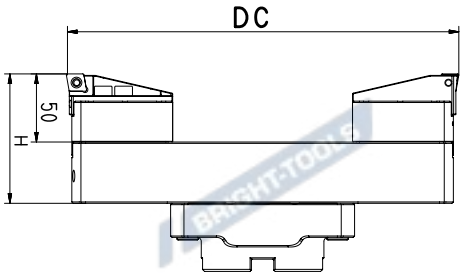



| Size | Dc | Flange Seat | Bridge | Boring Slide | Balance Block | Insert Seat | H | Insert | Cooling | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| BF200308AL-TC11 | 200-282 | SL-135-40 | SL200290-AL | BF-78 | BF-73 | F6-1 | 94 | TC1102 | INT | 4.2 |
| BF290380AL-TC11 | 290-372 | SL-135-40 | SL290380-AL | BF-78 | BF-73 | F6-1 | 94 | TC1102 | INT | 5.0 |
| BF380470AL-TC11 | 380-462 | SL-135-40 | SL380470-AL | BF-78 | BF-73 | F6-1 | 94 | TC1102 | INT | 5.8 |
| BF470578AL-TC11 | 470-552 | SL-135-40 | SL470560-AL | BF-78 | BF-73 | F6-1 | 99 | TC1102 | EXT | 6.9 |
| BF560668AL-TC11 | 560-642 | SL-235-60 | SL560650-AL | BF-78 | BF-73 | F6-1 | 99 | TC1102 | EXT | 7.8 |
| BF650758AL-TC11 | 650-732 | SL-235-60 | SL650740-AL | BF-78 | BF-73 | F6-1 | 104 | TC1102 | EXT | 9.3 |
| BF740848AL-TC11 | 740-812 | SL-235-60 | SL740830-AL | BF-78 | BF-73 | F6-1 | 109 | TC1102 | EXT | 11.0 |

Delivery: insert excluded, please purchase separately.
交货方式：不含刀片，请单独购买。

# Bridge Rough Boring Head, Standard
## 桥式双刃粗镗刀，标准钢制



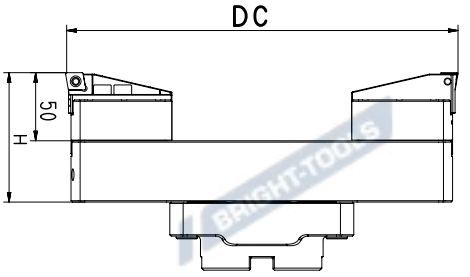



| Size | Dc | Flange Seat | Bridge | Clamp Base | Insert Seat | H | Insert | Cooling | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| BR200290-CC12 | 200-290 | SL-135-40 | BR200290 | BR-73 | BR90-CC12 | 95 | CC1204 | INT | 6.2 |
| BR290380-CC12 | 290-380 | SL-135-40 | BR290380 | BR-73 | BR90-CC12 | 95 | CC1204 | INT | 8.4 |
| BR380470-CC12 | 380-470 | SL-135-40 | BR380470 | BR-73 | BR90-CC12 | 95 | CC1204 | INT | 10.6 |
| BR470560-CC12 | 470-560 | SL-135-40 | BR470560 | BR-73 | BR90-CC12 | 100 | CC1204 | EXT | 14 |
| BR470610-CC12 | 470-610 | SL-235-60 | BR470560 | BR-123 | BR90-CC12 | 100 | CC1204 | EXT | 15 |
| BR560650-CC12 | 560-650 | SL-235-60 | BR560650 | BR-73 | BR90-CC12 | 100 | CC1204 | EXT | 16.5 |
| BR560700-CC12 | 560-700 | SL-235-60 | BR560650 | BR-123 | BR90-CC12 | 100 | CC1204 | EXT | 17.5 |
| BR650740-CC12 | 650-740 | SL-235-60 | BR650740 | BR-73 | BR90-CC12 | 105 | CC1204 | EXT | 20.5 |
| BR650790-CC12 | 650-790 | SL-235-60 | BR650740 | BR-123 | BR90-CC12 | 105 | CC1204 | EXT | 21.5 |
| BR740830-CC12 | 740-830 | SL-235-60 | BR740830 | BR-73 | BR90-CC12 | 110 | CC1204 | EXT | 23.8 |
| BR740880-CC12 | 740-880 | SL-235-60 | BR740830 | BR-123 | BR90-CC12 | 110 | CC1204 | EXT | 24.8 |

| Size | Dc | Flange Seat | Bridge | Clamp Base | Insert Seat | H | Insert | Cooling | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| BR200290-SC12 | 200-290 | SL-135-40 | BR200290 | BR-73 | BR86-SC12 | 95 | SC1204 | INT | 6.2 |
| BR290380-SC12 | 290-380 | SL-135-40 | BR290380 | BR-73 | BR86-SC12 | 95 | SC1204 | INT | 8.4 |
| BR380470-SC12 | 380-470 | SL-135-40 | BR380470 | BR-73 | BR86-SC12 | 95 | SC1204 | INT | 10.6 |
| BR470560-SC12 | 470-560 | SL-135-40 | BR470560 | BR-73 | BR86-SC12 | 100 | SC1204 | EXT | 14 |
| BR470610-SC12 | 470-610 | SL-235-60 | BR470560 | BR-123 | BR86-SC12 | 100 | SC1204 | EXT | 15 |
| BR560650-SC12 | 560-650 | SL-235-60 | BR560650 | BR-73 | BR86-SC12 | 100 | SC1204 | EXT | 16.5 |
| BR560700-SC12 | 560-700 | SL-235-60 | BR560650 | BR-123 | BR86-SC12 | 100 | SC1204 | EXT | 17.5 |
| BR650740-SC12 | 650-740 | SL-235-60 | BR650740 | BR-73 | BR86-SC12 | 105 | SC1204 | EXT | 20.5 |
| BR650790-SC12 | 650-790 | SL-235-60 | BR650740 | BR-123 | BR86-SC12 | 105 | SC1204 | EXT | 21.5 |
| BR740830-SC12 | 740-830 | SL-235-60 | BR740830 | BR-73 | BR86-SC12 | 110 | SC1204 | EXT | 23.8 |
| BR740880-SC12 | 740-880 | SL-235-60 | BR740830 | BR-123 | BR86-SC12 | 110 | SC1204 | EXT | 24.8 |

# Bridge Rough Boring Head, Light
## 桥式双刃粗镗刀，轻型铝制






| Size | Dc | Flange Seat | Bridge | Clamp Base | Insert Seat | H | Insert | Cooling | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| BR200290AL-CC12 | 200-290 | SL-135-40 | BR200290-AL | BR-73-AL | BR90-CC12 | 95 | CC1204 | INT | 3.2 |
| BR290380AL-CC12 | 290-380 | SL-135-40 | BR290380-AL | BR-73-AL | BR90-CC12 | 95 | CC1204 | INT | 3.96 |
| BR380470AL-CC12 | 380-470 | SL-135-40 | BR380470-AL | BR-73-AL | BR90-CC12 | 95 | CC1204 | INT | 4.76 |
| BR470560AL-CC12 | 470-560 | SL-135-40 | BR470560-AL | BR-73-AL | BR90-CC12 | 100 | CC1204 | EXT | 5.86 |
| BR470610AL-CC12 | 470-610 | SL-235-60 | BR470560-AL | BR-123-AL | BR90-CC12 | 100 | CC1204 | EXT | 6.36 |
| BR560650AL-CC12 | 560-650 | SL-235-60 | BR560650-AL | BR-73-AL | BR90-CC12 | 100 | CC1204 | EXT | 6.81 |
| BR560700AL-CC12 | 560-700 | SL-235-60 | BR560650-AL | BR-123-AL | BR90-CC12 | 100 | CC1204 | EXT | 7.31 |
| BR650740AL-CC12 | 650-740 | SL-235-60 | BR650740-AL | BR-73-AL | BR90-CC12 | 105 | CC1204 | EXT | 8.3 |
| BR650790AL-CC12 | 650-790 | SL-235-60 | BR650740-AL | BR-123-AL | BR90-CC12 | 105 | CC1204 | EXT | 8.8 |
| BR740830AL-CC12 | 740-830 | SL-235-60 | BR740830-AL | BR-73-AL | BR90-CC12 | 110 | CC1204 | EXT | 9.96 |
| BR740880AL-CC12 | 740-880 | SL-235-60 | BR740830-AL | BR-123-AL | BR90-CC12 | 110 | CC1204 | EXT | 10.46 |

| Size | Dc | Flange Seat | Bridge | Clamp Base | Insert Seat | H | Insert | Cooling | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| BR200290AL-SC12 | 200-290 | SL-135-40 | BR200290-AL | BR-73-AL | BR86-SC12 | 95 | SC1204 | INT | 3.2 |
| BR290380AL-SC12 | 290-380 | SL-135-40 | BR290380-AL | BR-73-AL | BR86-SC12 | 95 | SC1204 | INT | 3.96 |
| BR380470AL-SC12 | 380-470 | SL-135-40 | BR380470-AL | BR-73-AL | BR86-SC12 | 95 | SC1204 | INT | 4.76 |
| BR470560AL-SC12 | 470-560 | SL-135-40 | BR470560-AL | BR-73-AL | BR86-SC12 | 100 | SC1204 | EXT | 5.86 |
| BR470610AL-SC12 | 470-610 | SL-235-60 | BR470560-AL | BR-123-AL | BR86-SC12 | 100 | SC1204 | EXT | 6.36 |
| BR560650AL-SC12 | 560-650 | SL-235-60 | BR560650-AL | BR-73-AL | BR86-SC12 | 100 | SC1204 | EXT | 6.81 |
| BR560700AL-SC12 | 560-700 | SL-235-60 | BR560650-AL | BR-123-AL | BR86-SC12 | 100 | SC1204 | EXT | 7.31 |
| BR650740AL-SC12 | 650-740 | SL-235-60 | BR650740-AL | BR-73-AL | BR86-SC12 | 105 | SC1204 | EXT | 8.3 |
| BR650790AL-SC12 | 650-790 | SL-235-60 | BR650740-AL | BR-123-AL | BR86-SC12 | 105 | SC1204 | EXT | 8.8 |
| BR740830AL-SC12 | 740-830 | SL-235-60 | BR740830-AL | BR-73-AL | BR86-SC12 | 110 | SC1204 | EXT | 9.96 |
| BR740880AL-SC12 | 740-880 | SL-235-60 | BR740830-AL | BR-123-AL | BR86-SC12 | 110 | SC1204 | EXT | 10.46 |

# OD Turning Holders

## 外镗

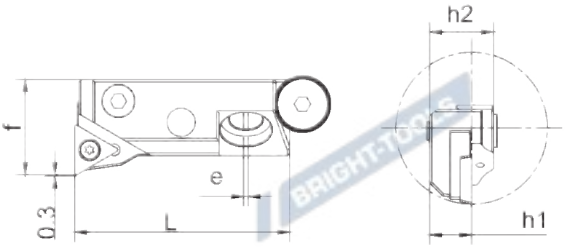




| Size | CK No. | Dc | D | L | F | 平衡块 | Insert Seat | Insert |
|---|---|---|---|---|---|---|---|---|
| CK6-CK3-2552-42 | CK6 | 25-34 | φ117 | 82 | CK3-F3260 | CK3-F3137 | F3-3 | TP08 |
| | CK6 | 34-43 | φ117 | 82 | CK3-F3260 | CK3-F3137 | F3-2 | TP08 |
| | CK6 | 43-52 | φ117 | 82 | CK3-F3260 | CK3-F3137 | F3-1 | TP08 |
| CK6-CK3-5077-42 | CK6 | 50-59 | φ142 | 82 | CK3-F3260 | CK3-F3137 | F3-3 | TP08 |
| | CK6 | 59-68 | φ142 | 82 | CK3-F3260 | CK3-F3137 | F3-2 | TP08 |
| | CK6 | 68-77 | φ142 | 82 | CK3-F3260 | CK3-F3137 | F3-1 | TP08 |
| CK6-CK3-75102-42 | CK6 | 75-84 | φ167 | 82 | CK3-F3260 | CK3-F3137 | F3-3 | TP08 |
| | CK6 | 84-93 | φ167 | 82 | CK3-F3260 | CK3-F3137 | F3-2 | TP08 |
| | CK6 | 93-102 | φ167 | 82 | CK3-F3260 | CK3-F3137 | F3-1 | TP08 |
| CK6-CK3-100127-42 | CK7 | 100-109 | φ192 | 87 | CK3-F3260 | CK3-F3137 | F3-3 | TP08 |
| | CK7 | 109-118 | φ192 | 87 | CK3-F3260 | CK3-F3137 | F3-2 | TP08 |
| | CK7 | 118-127 | φ192 | 87 | CK3-F3260 | CK3-F3137 | F3-1 | TP08 |
| CK6-CK3-125152-42 | CK7 | 125-134 | φ217 | 87 | CK3-F3260 | CK3-F3137 | F3-3 | TP08 |
| | CK7 | 134-143 | φ217 | 87 | CK3-F3260 | CK3-F3137 | F3-2 | TP08 |
| | CK7 | 143-152 | φ217 | 87 | CK3-F3260 | CK3-F3137 | F3-1 | TP08 |

# Small Fine Boring Head
## 精镗小刀夹





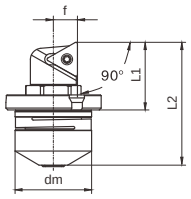

| Size | Degree | Dmin | L | h1 | h2 | e | f | r | Insert |
|---|---|---|---|---|---|---|---|---|---|
| DF-1695L-CC06 | 95 | 28 | 45.5 | 8.8 | 13.5 | 1 | 16 | 0.4 | CC..0602.. |
| DF-1695R-CC06 | 95 | 28 | 45.5 | 8.8 | 13.5 | 1 | 16 | 0.4 | CC..0602.. |
| DF-1695L-TP09 | 95 | 28 | 45.5 | 8.8 | 13.5 | 1 | 16 | 0.4 | TP..0902.. |
| DF-1695R-TP09 | 95 | 28 | 45.5 | 8.8 | 13.5 | 1 | 16 | 0.4 | TP..0902.. |
| DF-2095L-TC11 | 95 | 36 | 45.5 | 8.8 | 13.5 | 1 | 20 | 0.4 | TC..1102.. |
| DF-2095R-TC11 | 95 | 36 | 45.5 | 8.8 | 13.5 | 1 | 20 | 0.4 | TC..1102.. |
| DF-2095L-TP11 | 95 | 36 | 45.5 | 8.8 | 13.5 | 1 | 20 | 0.4 | TP..1102.. |
| DF-2095R-TP11 | 95 | 36 | 45.5 | 8.8 | 13.5 | 1 | 20 | 0.4 | TP..1102.. |
| DF-1690L-CC06 | 90 | 28 | 45.5 | 8.8 | 13.5 | 1 | 16 | 0.4 | CC..0602.. |
| DF-1690R-CC06 | 90 | 28 | 45.5 | 8.8 | 13.5 | 1 | 16 | 0.4 | CC..0602.. |
| DF-1690L-TP09 | 90 | 28 | 45.5 | 8.8 | 13.5 | 1 | 16 | 0.4 | TP..0902.. |
| DF-1690R-TP09 | 90 | 28 | 45.5 | 8.8 | 13.5 | 1 | 16 | 0.4 | TP..0902.. |
| DF-2090L-TC11 | 90 | 36 | 45.5 | 8.8 | 13.5 | 1 | 20 | 0.4 | TC..1102.. |
| DF-2090R-TC11 | 90 | 36 | 45.5 | 8.8 | 13.5 | 1 | 20 | 0.4 | TC..1102.. |
| DF-2090L-TP11 | 90 | 36 | 45.5 | 8.8 | 13.5 | 1 | 20 | 0.4 | TP..1102.. |
| DF-2090R-TP11 | 90 | 36 | 45.5 | 8.8 | 13.5 | 1 | 20 | 0.4 | TP..1102.. |

Delivery: insert excluded, please purchase separately.
Usage: mainly used to connect with special tool holders.

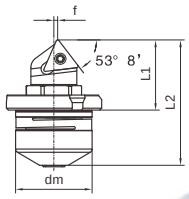
交货方式：不含刀片，请单独购买。
用途：主要用于连接专用工具夹头。

# Fine Boring Unit
## 精镗单元

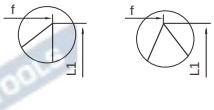





Type 1




Type 2

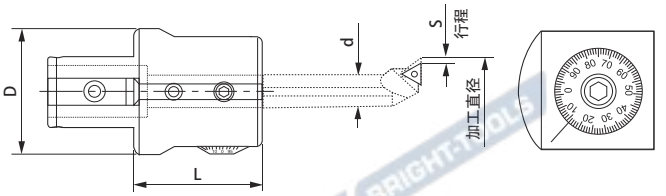



刀尖圆弧r=0
Tip diameter r=0

| Size | | Angle | dm | L | L1 | f | Dmin | Insert | Weight | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| Left | Right | | | | | | | | | |
| FB-A16-CC06L | FB-A16-CC06R | 90 | 16 | 24.1 | 13.3 | 5.1 | 27 | CC..060204 | 0.02 | 1 |
| FB-A16-TB06L | FB-A16-TB06R | 90 | 16 | 24.1 | 13.3 | 5.1 | 27 | TB..060102 | 0.02 | 1 |
| FB-A20-TC09L | FB-A20-TC09R | 90 | 20 | 32.9 | 18.3 | 6.3 | 36.5 | TC..090204 | 0.05 | 1 |
| FB-A20-TP09L | FB-A20-TP09R | 90 | 20 | 32.9 | 18.3 | 6.3 | 36.5 | TP..090204 | 0.05 | 1 |
| FB-A22-TC11L | FB-A22-TC11R | 90 | 22 | 44.3 | 22.1 | 7.2 | 48.5 | TC..110204 | 0.1 | 1 |
| FB-A22-TP11L | FB-A22-TP11R | 90 | 22 | 44.3 | 22.1 | 7.2 | 48.5 | TP..110304 | 0.1 | 1 |
| FB-A32-TC16L | FB-A32-TC16R | 90 | 32 | 62.7 | 32 | 10.3 | 68.4 | TC..16T308 | 0.29 | 1 |
| FB-A32-TP11L | FB-A32-TP11R | 90 | 32 | 62.7 | 32 | 10.3 | 68.4 | TP..110304 | 0.29 | 1 |
| FB-B16-CC06L | FB-B16-CC06R | 53°8′ | 16 | 25.15 | 14.3 | 0.45 | 25.2 | CC..060204 | 0.02 | 2 |
| FB-B16-TB06L | FB-B16-TB06R | 53°8′ | 16 | 25 | 14.3 | 0.2 | 24.8 | TB..060102 | 0.02 | 2 |
| FB-B20-TC09L | FB-B20-TC09R | 53°8′ | 20 | 33.7 | 19.1 | 0.9 | 32.5 | TC..090204 | 0.05 | 2 |
| FB-B20-TP09L | FB-B20-TP09R | 53°8′ | 20 | 33.7 | 19.1 | 0.9 | 32.5 | TP..090204 | 0.05 | 2 |
| FB-B22-TC11L | FB-B22-TC11R | 53°8′ | 22 | 45.3 | 23 | 1.1 | 42 | TC..110204 | 0.1 | 2 |
| FB-B22-TP11L | FB-B22-TP11R | 53°8′ | 22 | 45.3 | 23 | 1.1 | 42 | TP..110304 | 0.1 | 2 |
| FB-B32-TC16L | FB-B32-TC16R | 53°8′ | 32 | 62.3 | 33.3 | 1.2 | 59.4 | TC..16T308 | 0.29 | 2 |
| FB-B32-TP11L | FB-B32-TP11R | 53°8′ | 32 | 62.3 | 33.3 | 1.2 | 59.4 | TP..110304 | 0.29 | 2 |

## NBJ16 Fine Boring Head With Small Bore
## NBJ16 小孔径精镗头

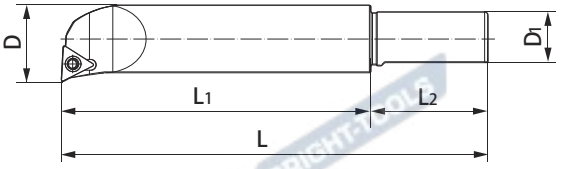





| Size | DCK No. | Dc | D | d | L | S | Dial precision | Wrench | Weight |
|---|---|---|---|---|---|---|---|---|---|
| NBJ16 | 6 | 6-50 | 64 | 16 | 50 | 5 | 0.01 | T05 | 1.14 |

## NBJ16 Micro-Boring Bar
## NBJ16 微调精密镗头刀杆






| Size | D | D1 | L1 | L2 | L | Dc | Insert | Insert screw | Wrench | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| NBJ1606-24 | 6 | 16 | 24 | 34 | 66 | 6-8 | WBGT0601 | M2*4 | T06 | 0.07 |
| NBJ1608-32 | 8 | 16 | 32 | 34 | 76 | 8-11 | TBGT0601 | M2*4 | T06 | 0.06 |
| NBJ1610-40 | 10 | 16 | 40 | 34 | 77 | 10-13 | TBGT0601 | M2*4 | T06 | 0.07 |
| NBJ1612-53 | 12 | 16 | 53 | 34 | 90 | 12-17 | TPGH0902 | M2.5*6 | T08 | 0.09 |
| NBJ1616-68 | 16 | 16 | 68 | 34 | 102 | 16-21 | TPGH0902 | M2.5*6 | T08 | 0.13 |
| NBJ1620-83 | 20 | 16 | 83 | 34 | 120 | 20-26 | TPGH1103 | M3*7 | T10 | 0.2 |
| NBJ1625-90 | 25 | 16 | 90 | 34 | 124 | 25-32 | TPGH1103 | M3*7 | T10 | 0.25 |
| NBJ1630-90 | 30 | 16 | 90 | 34 | 124 | 30-42 | TPGH1103 | M3*7 | T10 | 0.25 |
| NBJ1640-90 | 40 | 16 | 90 | 34 | 124 | 40-50 | TPGH1103 | M3*7 | T10 | 0.26 |

# NBJ16 Micro-Boring Tool Kit
# NBJ16 微调精镗套装组合



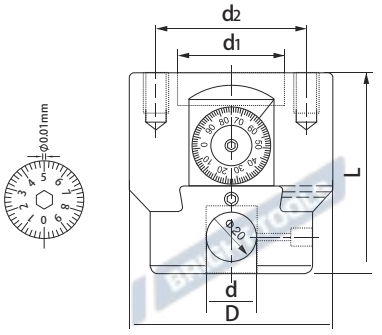
| Size | Boring Adapter | Boring Head | Boring Bar | DC | Weight |
|---|---|---|---|---|---|
| BT40-NBJ16-8PCS | BT40-DCK6-60 | NBJ16 | NBJ1608-32<br>NBJ1610-40<br>NBJ1612-53<br>NBJ1616-68<br>NBJ1620-83<br>NBJ1625-90<br>NBJ1630-90<br>NBJ1640-90 | 8-50 | 3.68 |
| BT50-NBJ16-8PCS | BT40-DCK6-60 | NBJ16 | NBJ1608-32<br>NBJ1610-40<br>NBJ1612-53<br>NBJ1616-68<br>NBJ1620-83<br>NBJ1625-90<br>NBJ1630-90<br>NBJ1640-90 | 8-50 | 6.74 |

Items Included
1. One boring adapter
2. One micro boring head
3. Eight micro boring bars
4. Three wrenches

内附零件
1. 刀柄一支
2. 精密镗头一支
3. 精镗刀杆八支
4. 扳手三把

## NBH2084 Micro-Boring Head
## NBH2084 微调精密镗头

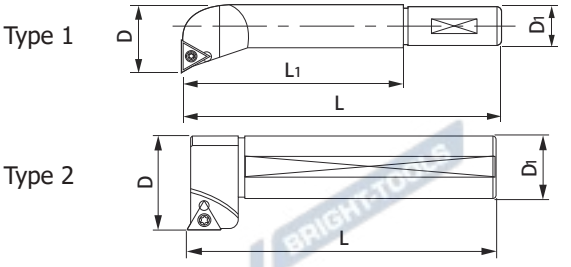





| Size | D | d | d1 | d2 | L | Dc | Micro Distance | Wrench | Dial Precision | Adapter | Wrench | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NBH2084 | 84 | 20 | 35 | 60 | 80 | 8-280 | 28 | T04 | 0.01 | NBH-A.B | T06 | 2.74 |

## NBJ20 Micro-Boring Bar
## NBJ20 微调精密镗头刀杆






| Size | Type | D | D1 | L1 | L | Dc | Insert | Insert screw | Wrench | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| NBJ2008-32 | 1 | 8 | 20 | 32 | 74 | 8-11 | TBGT0601 | M2*4 | T06 | 0.09 |
| NBJ2010-40 | 1 | 10 | 20 | 40 | 75 | 10-13 | TBGT0601 | M2*4 | T06 | 0.1 |
| NBJ2012-53 | 1 | 12 | 20 | 53 | 88 | 12-17 | TPGH0902 | M2.5*6 | T10 | 0.12 |
| NBJ2016-68 | 1 | 16 | 20 | 68 | 103 | 16-21 | TPGH0902 | M2.5*6 | T10 | 0.16 |
| NBJ2020-83 | 1 | 20 | 20 | 83 | 115 | 20-26 | TPGH1103 | M3*7 | T10 | 0.22 |
| NBJ2025-96 | 1 | 25 | 20 | 96 | 131 | 25-135 | TPGH1103 | M3*7 | T10 | 0.35 |
| NBJ2030-115 | 1 | 30 | 20 | 115 | 159 | 30-140 | TPGH1103 | M3*7 | T10 | 0.52 |
| NBJ20120-97 | 2 | 30 | 20 | - | 97 | 120-280 | TPGH1103 | M3*7 | T10 | 0.25 |

# NBH2084 Boring Tool Kit
# NBH2084 精镗套装组合



| Size | Boring Adapter | Boring Head | Boring Bar | Dc | Weight |
|---|---|---|---|---|---|
| BT40-NBH2084-8PCS | BT40-NBH-A50 | NBJ20 | NBJ2008-32 | 8-280 | 6.44 |
| | | | NBJ2010-40 | | |
| | | | NBJ2012-53 | | |
| | | | NBJ2016-68 | | |
| | | | NBJ2020-83 | | |
| | | | NBJ2025-96 | | |
| | | | NBJ2030-115 | | |
| | | | NBJ20120-97 | | |
| BT50-NBH2084-8PCS | BT50-NBH-A50 | NBJ20 | NBJ2008-32 | 8-280 | 8.89 |
| | | | NBJ2010-40 | | |
| | | | NBJ2012-53 | | |
| | | | NBJ2016-68 | | |
| | | | NBJ2020-83 | | |
| | | | NBJ2025-96 | | |
| | | | NBJ2030-115 | | |
| | | | NBJ20120-97 | | |

Items Included
1. One boring adapter
2. One micro boring head
3. Eight micro boring bars
4. Four wrenches

内附零件
1. 刀柄一支
2. 精密镗头一支
3. 精镗刀杆八支
4. 扳手四把

# DCK5-FB50P Micro-Nishing Boring Kit
# DCK5-FB50P 极细微调精镗孔系统



| Size | L1 | Dc | Adapter | Wrench | Weigit |
|---|---|---|---|---|---|
| BT30-DCK5-FB50P | 80 | 6-80 | BT30-DCK5-70 | L05 | 2.9 |
| BT40-DCK5-FB50P | 80 | 6-80 | BT40-DCK5-80 | L05 | 3.54 |
| BT50-DCK5-FB50P | 80 | 6-80 | BT50-DCK5-90 | L05 | 6.32 |
| | | | | | |
| SK40-DCK5-FB50P | 90 | 6-80 | SK40-DCK5-80 | L05 | 3.54 |
| SK50-DCK5-FB50P | 90 | 6-80 | SK50-DCK5-90 | L05 | 6.32 |
| | | | | | |
| HSK63A-DCK5-FB50P | 70 | 6-80 | HSK63A--DCK5-80 | L05 | 4.02 |

| Size | Dc | DM | Insert | Weigit |
|---|---|---|---|---|
| F1606-21 | 6-9 | 21 | WBGT0601..L | 0.04 |
| F1608-28 | 8-11 | 28 | TBGT0601..L | 0.04 |
| F1610-35 | 10-13 | 35 | TBGT0601..L | 0.05 |
| F1612-42 | 12-15 | 42 | TPGH0902..L | 0.06 |
| F1614-50 | 14-17 | 50 | TPGH0902..L | 0.07 |
| F1616-60 | 16-20 | 60 | TPGH0902..L | 0.09 |
| F1620-65 | 20-24 | 65 | TPGH0902..L | 0.11 |
| F1624-68 | 24-28 | 68 | TPGH0902..L | 0.12 |
| FM5 | 60+FM2938TP or FM3652TP or FM4868TP | | | 0.25 |
| FM2938TP | 28-38 | 11 | TPGH0902..L | 0.01 |
| FM3652TP | 36-52 | 13 | TPGH1103..L | 0.02 |
| FM4868TP | 48-68 | 13 | TPGH1103..L | 0.03 |
| FM8 | +FM5780TP | | | 0.03 |
| FM5780TP | 57-80 | +20 | TPGH1103..L | 0.1 |

# DCK6-FB63P Micro-Nishing Boring Kit
# DCK6-FB63P 极细微调精镗孔系统



| Size | L1 | Dc | Adapter | Wrench | Weigit |
|---|---|---|---|---|---|
| BT30-DCK6-FB63P | 60 | 6-150 | BT30-DCK6-60 | L05 | 4 |
| BT40-DCK6-FB63P | 55 | 6-150 | BT40-DCK6-55 | L05 | 4.5 |
| BT50-DCK6-FB63P | 85 | 6-150 | BT50-DCK6-85 | L05 | 9.17 |
| | | | | | |
| SK40-DCK6-FB63P | 90 | 6-150 | SK40-DCK6-90 | L05 | 4.5 |
| SK50-DCK6-FB63P | 85 | 6-150 | SK50-DCK6-85 | L05 | 9.17 |
| | | | | | |
| HSK63A-DCK6-FB63P | 100 | 6-150 | HSK63A-DCK6-100 | L05 | 5.9 |

| Size | Dc | DM | Insert | Weigit |
|---|---|---|---|---|
| F1606-21 | 6-9 | 21 | WBGT0601..L | 0.04 |
| F1608-28 | 8-11 | 28 | TBGT0601..L | 0.04 |
| F1610-35 | 10-13 | 35 | TBGT0601..L | 0.05 |
| F1612-42 | 12-15 | 42 | TPGH0902..L | 0.06 |
| F1614-50 | 14-17 | 50 | TPGH0902..L | 0.07 |
| F1616-60 | 16-20 | 60 | TPGH0902..L | 0.09 |
| F1620-65 | 20-24 | 65 | TPGH0902..L | 0.11 |
| F1624-68 | 24-28 | 68 | TPGH0902..L | 0.12 |
| FM5 | 60+FM2938TP or FM3652TP or FM4868TP | | | 0.25 |
| FM2938TP | 28-38 | +11 | TPGH0902..L | 0.01 |
| FM3652TP | 36-52 | +13 | TPGH0902..L | 0.02 |
| FM4868TP | 48-68 | +13 | TPGH0902..L | 0.03 |
| FM8 | +FM5780TP or FM70110TP or FM110150TP | | | 0.03 |
| FM5780TP | 66-80 | +20 | TPGH1103..L | 0.1 |
| FM70110TP | 70-110 | +20 | TPGH1103..L | 0.1 |
| FM110150TP | 110-150 | +20 | TPGH1103..L | 0.21 |

# Boring Tool Holder Set
## 镗刀柄套装



| Size | Boring Tool Holder | Fine Boring | Rough Boring | Insert Seat |
|---|---|---|---|---|
| BT40-DCK1-70 SET | BT40-DCK1-70 | DCK1-R2026 | DCK1-F2036 | F1-1,F1-2,F1-3 |
| BT40-DCK2-75 SET | BT40-DCK2-75 | DCK2-R2533 | DCK2-F2547 | F2-1,F2-2,F2-3 |
| BT40-DCK3-80 SET | BT40-DCK3-80 | DCK3-R3242 | DCK3-F3260 | F3-1,F3-2,F3-3 |
| BT40-DCK4-70 SET | BT40-DCK4-70 | DCK4-R4154 | DCK4-F4147 | F4-1,F4-2,F4-3 |
| BT40-DCK5-80 SET | BT40-DCK5-80 | DCK5-R5370 | DCK5-F5395 | F5-1,F5-2,F5-3 |
| BT40-DCK6-100 SET | BT40-DCK6-100 | DCK6-R6890 | DCK6-F68150 | F6-1,F6-2,F6-3 |
| | | | | |
| BT50-DCK1-80 SET | BT50-DCK1-80 | DCK1-R2026 | DCK1-F2036 | F1-1,F1-2,F1-3 |
| BT50-DCK2-85 SET | BT50-DCK2-85 | DCK2-R2533 | DCK2-F2547 | F2-1,F2-2,F2-3 |
| BT50-DCK3-85 SET | BT50-DCK3-85 | DCK3-R3242 | DCK3-F3260 | F3-1,F3-2,F3-3 |
| BT50-DCK4-100 SET | BT50-DCK4-100 | DCK4-R4154 | DCK4-F4147 | F4-1,F4-2,F4-3 |
| BT50-DCK5-90 SET | BT50-DCK5-90 | DCK5-R5370 | DCK5-F5395 | F5-1,F5-2,F5-3 |
| BT50-DCK6-85 SET | BT50-DCK6-85 | DCK6-R6890 | DCK6-F6890 | F6-1,F6-2,F6-3 |
| | | | | |
| SK40-DCK1-70 SET | SK40-DCK1-70 | DCK1-R2026 | DCK1-F2036 | F1-1,F1-2,F1-3 |
| SK40-DCK2-75 SET | SK40-DCK2-75 | DCK2-R2533 | DCK2-F2547 | F2-1,F2-2,F2-3 |
| SK40-DCK3-50 SET | SK40-DCK3-50 | DCK3-R3242 | DCK3-F3260 | F3-1,F3-2,F3-3 |
| SK40-DCK4-50 SET | SK40-DCK4-50 | DCK4-R4154 | DCK4-F4147 | F4-1,F4-2,F4-3 |
| SK40-DCK5-80 SET | SK40-DCK5-80 | DCK5-R5370 | DCK5-F5395 | F5-1,F5-2,F5-3 |
| SK40-DCK6-90 SET | SK40-DCK6-90 | DCK6-R6890 | DCK6-F6890 | F6-1,F6-2,F6-3 |
| | | | | |
| SK50-DCK1-80 SET | SK50-DCK1-80 | DCK1-R2026 | DCK1-F2036 | F1-1,F1-2,F1-3 |
| SK50-DCK2-85 SET | SK50-DCK2-85 | DCK2-R2533 | DCK2-F2547 | F2-1,F2-2,F2-3 |
| SK50-DCK3-85 SET | SK50-DCK3-85 | DCK3-R3242 | DCK3-F3260 | F3-1,F3-2,F3-3 |
| SK50-DCK4-70 SET | SK50-DCK4-70 | DCK4-R4154 | DCK4-F4147 | F4-1,F4-2,F4-3 |
| SK50-DCK5-80 SET | SK50-DCK5-80 | DCK5-R5370 | DCK5-F5395 | F5-1,F5-2,F5-3 |
| SK50-DCK6-85 SET | SK50-DCK6-85 | DCK6-R6890 | DCK6-F6890 | F6-1,F6-2,F6-3 |

# Boring Tool Holder Set
## 镗刀柄套装



| Size | Boring Tool Holder | Fine Boring | Rough Boring | Insert Seat |
|---|---|---|---|---|
| HSK63A-DCK1-70 SET | HSK63A-DCK1-70 | DCK1-F2026 | DCK1-R2036 | F1-1,F1-2,F1-3 |
| HSK63A-DCK2-75 SET | HSK63A-DCK2-75 | DCK2-F2547 | DCK2-R2533 | F2-1,F2-2,F2-3 |
| HSK63A-DCK3-80 SET | HSK63A-DCK3-80 | DCK3-F3260 | DCK3-R3242 | F3-1,F3-2,F3-3 |
| HSK63A-DCK4-70 SET | HSK63A-DCK4-70 | DCK4-F4147 | DCK4-R4154 | F4-1,F4-2,F4-3 |
| HSK63A-DCK5-80 SET | HSK63A-DCK5-80 | DCK5-F5395 | DCK5-R5370 | F5-1,F5-2,F5-3 |
| HSK63A-DCK6-100 SET | HSK63A-DCK6-100 | DCK6-F6890 | DCK6-R6890 | F6-1,F6-2,F6-3 |
| | | | | |
| HSK100A-DCK1-115 SET | HSK100A-DCK1-115 | DCK1-F2026 | DCK1-R2036 | F1-1,F1-2,F1-3 |
| HSK100A-DCK2-110 SET | HSK100A-DCK2-110 | DCK2-F2547 | DCK2-R2533 | F2-1,F2-2,F2-3 |
| HSK100A-DCK3-110 SET | HSK100A-DCK3-110 | DCK3-F3260 | DCK3-R3242 | F3-1,F3-2,F3-3 |
| HSK100A-DCK4-100 SET | HSK100A-DCK4-100 | DCK4-F4147 | DCK4-R4154 | F4-1,F4-2,F4-3 |
| HSK100A-DCK5-90 SET | HSK100A-DCK5-90 | DCK5-F5395 | DCK5-R5370 | F5-1,F5-2,F5-3 |
| HSK100A-DCK6-85 SET | HSK100A-DCK6-85 | DCK6-F6890 | DCK6-R6890 | F6-1,F6-2,F6-3 |

BRIGHT-TOOLS

TOOL HOLDERS

# ANTI VIBRATION

# Damping Face Mill Holder
# 抗震铣刀柄



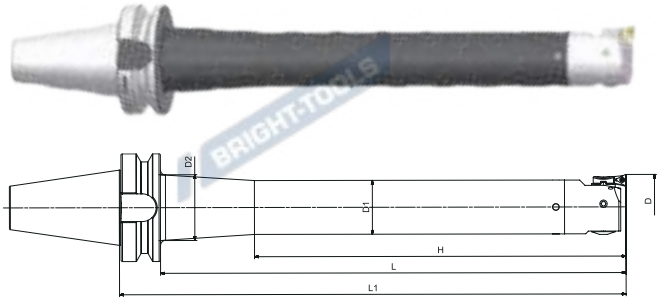

| Size | d | D | L | L1 | L2 |
|---|---|---|---|---|---|
| BT50-FMB22-048-370 | 22 | 48 | 371 | 333 | 19 |
| BT50-FMB22-060-460 | 22 | 60 | 460 | 422 | 19 |
| BT50-FMB27-076-570 | 27 | 76 | 572 | 534 | 21 |
| | | | | | |
| BBT50-FMB22-048-370 | 22 | 48 | 371 | 333 | 19 |
| BBT50-FMB22-060-460 | 22 | 60 | 460 | 422 | 19 |
| BBT50-FMB27-076-570 | 27 | 76 | 572 | 534 | 21 |
| | | | | | |
| HSK63A-FMB16-038-160 | 16 | 38 | 160 | 131 | 11 |
| HSK63A-FMB16-038-230 | 16 | 38 | 230 | 201 | 11 |
| HSK63A-FMB22-048-210 | 22 | 48 | 210 | 181 | 16 |
| HSK63A-FMB22-048-260 | 22 | 48 | 260 | 231 | 16 |
| HSK100A-FMB22-048-213 | 22 | 48 | 213 | 181 | 16 |
| HSK100A-FMB22-048-263 | 22 | 48 | 263 | 231 | 16 |
| HSK100A-FMB22-060-230 | 22 | 60 | 230 | 198 | 16 |
| HSK100A-FMB22-060-340 | 22 | 60 | 340 | 308 | 16 |
| HSK100A-FMB27-076-250 | 27 | 76 | 250 | 218 | 18 |
| HSK100A-FMB27-076-390 | 27 | 76 | 390 | 358 | 18 |
| HSK100A-FMB32-080-250 | 32 | 80 | 250 | 218 | 20 |
| HSK100A-FMB32-080-390 | 32 | 80 | 390 | 358 | 20 |

# Damping Turning Tool Holder
# 抗震车刀杆



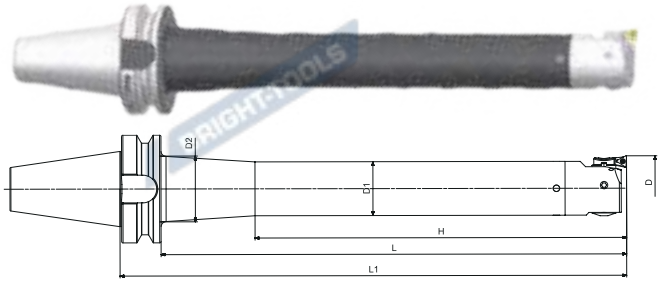

| Size | D1 | D | L | L/D |
|---|---|---|---|---|
| C16-AV-7D-K | 16 | 16 | 176 | 7 |
| C16-AV-10D-K | 16 | 16 | 224 | 10 |
| C20-AV-7D-K | 20 | 20 | 220 | 7 |
| C20-AV-10D-K | 20 | 20 | 280 | 10 |
| C25-AV-7D-K | 25 | 25 | 275 | 7 |
| C25-AV-10D-K | 25 | 25 | 350 | 10 |
| C25-AV-12D-K | 25 | 25 | 400 | 12 |
| C32-AV-7D-K | 32 | 32 | 352 | 7 |
| C32-AV-10D-K | 32 | 32 | 448 | 10 |
| C32-AV-12D-K | 32 | 32 | 512 | 12 |
| C40-AV-7D-K | 40 | 40 | 440 | 7 |
| C40-AV-10D-K | 40 | 40 | 560 | 10 |
| C40-AV-12D-K | 40 | 40 | 640 | 12 |

# Damping Finishing Boring Tool Holder
## 阻尼减振精镗刀




| Size | Insert seat | D | D1 | D2 | H | L | L1 | Insert |
|---|---|---|---|---|---|---|---|---|
| BT50-DF2136-130 | F1-1 | 21-26 | 20 | 30 | 130 | 160 | 198 | TP0802 |
| | F1-2 | 25-31 | 20 | 30 | 130 | 160 | 198 | TP0802 |
| | F1-3 | 30-36 | 20 | 30 | 130 | 160 | 198 | TP0802 |
| BT50-DF2136-170 | F1-1 | 21-26 | 20 | 30 | 170 | 200 | 238 | TP0802 |
| | F1-2 | 25-31 | 20 | 30 | 170 | 200 | 238 | TP0802 |
| | F1-3 | 30-36 | 20 | 30 | 170 | 200 | 238 | TP0802 |
| BT50-DF2647-165 | F2-1 | 26-33 | 25 | 35 | 165 | 200 | 238 | TP0802 |
| | F2-2 | 32-40 | 25 | 35 | 165 | 200 | 238 | TP0802 |
| | F2-3 | 39-47 | 25 | 35 | 165 | 200 | 238 | TP0802 |
| BT50-DF2647-215 | F2-1 | 26-33 | 25 | 35 | 215 | 250 | 288 | TP0802 |
| | F2-2 | 32-40 | 25 | 35 | 215 | 250 | 288 | TP0802 |
| | F2-3 | 39-47 | 25 | 35 | 215 | 250 | 288 | TP0802 |
| BT50-DF3360-210 | F3-1 | 33-42 | 32 | 45 | 210 | 256 | 294 | TP0802 |
| | F3-2 | 41-51 | 32 | 45 | 210 | 256 | 294 | TP0802 |
| | F3-3 | 50-60 | 32 | 45 | 210 | 256 | 294 | TP0802 |
| BT50-DF3360-275 | F3-1 | 33-42 | 32 | 45 | 275 | 320 | 358 | TP0802 |
| | F3-2 | 41-51 | 32 | 45 | 275 | 320 | 358 | TP0802 |
| | F3-3 | 50-60 | 32 | 45 | 275 | 320 | 358 | TP0802 |
| BT50-DF4174-260 | F4-1 | 41-54 | 40 | 55 | 260 | 320 | 358 | TC1102 |
| | F4-2 | 50-63 | 40 | 55 | 260 | 320 | 358 | TC1102 |
| | F4-3 | 61-71 | 40 | 55 | 260 | 320 | 358 | TC1102 |
| BT50-DF4174-340 | F4-1 | 41-54 | 40 | 55 | 340 | 400 | 438 | TC1102 |
| | F4-2 | 50-63 | 40 | 55 | 340 | 400 | 438 | TC1102 |
| | F4-3 | 61-71 | 40 | 55 | 340 | 400 | 438 | TC1102 |
| BT50-DF5395-325 | F5-1 | 53-70 | 50 | 65 | 325 | 400 | 438 | TC1102 |
| | F5-2 | 65-82 | 50 | 65 | 325 | 400 | 438 | TC1102 |
| | F5-3 | 78-95 | 50 | 65 | 325 | 400 | 438 | TC1102 |

# Integral Damping Finishing Boring Tool Holder
# 阻尼减振精镗刀




| Size | Insert seat | D | D1 | D2 | H | L | L1 | Insert |
|---|---|---|---|---|---|---|---|---|
| BT50-DF5395-425 | F5-1 | 53-70 | 50 | 65 | 425 | 500 | 538 | TC1102 |
| | F5-2 | 65-82 | 50 | 65 | 425 | 500 | 538 | TC1102 |
| | F5-3 | 78-95 | 50 | 65 | 425 | 500 | 538 | TC1102 |
| BT50-DF68150-420 | F6-1 | 68-100 | 64 | 80 | 420 | 512 | 550 | TC1102 |
| | F6-2 | 94-126 | 64 | 80 | 420 | 512 | 550 | TC1102 |
| | F6-3 | 118-150 | 64 | 80 | 420 | 512 | 550 | TC1102 |
| BT50-DF68150-550 | F6-1 | 68-100 | 64 | 80 | 550 | 640 | 678 | TC1102 |
| | F6-2 | 94-126 | 64 | 80 | 550 | 640 | 678 | TC1102 |
| | F6-3 | 118-150 | 64 | 80 | 550 | 640 | 678 | TC1102 |
| BT50-DF100203-455 | F6-1 | 100-203 | 70 | 85 | 455 | 560 | 598 | TC1102 |
| | F6-2 | 126-179 | 70 | 85 | 455 | 560 | 598 | TC1102 |
| | F6-3 | 150-203 | 70 | 85 | 455 | 560 | 598 | TC1102 |
| BT50-DF100203-595 | F6-1 | 100-203 | 70 | 85 | 595 | 700 | 738 | TC1102 |
| | F6-2 | 126-179 | 70 | 85 | 595 | 700 | 738 | TC1102 |
| | F6-3 | 150-203 | 70 | 85 | 595 | 700 | 738 | TC1102 |

BRIGHT-TOOLS

CUTTING TOOLS

# CUTTERS

BRIGHT-TOOLS

# MILLING CUTTERS AND ARBORS
# 铣刀和刀杆


Face Milling Cutter, 43°.....O.06
平面面铣刀盘, 43°

Face Milling Cutter, 45°.....O.07
平面面铣刀盘, 45°

Face Milling Cutter, 75°.....O.11
平面面铣刀盘, 75°

Face Milling Cutter, 90°.....O.12
平面面铣刀盘, 90°

Face Milling Cutter, Round Inserts.....O.14
仿形面铣刀盘

Face Milling Cutter, AMPT Inserts.....O.17
方肩面铣刀盘

High-feed Face Milling Cutter.....O.19
快进给铣刀盘

End Milling Cutter, Round Inserts.....O.22
仿形立铣刀杆

End Milling Cutter, AMPT Inserts.....O.26
方肩立铣刀杆

High-feed End Milling Cutter.....O.28
快进给铣刀杆

Screw-in Milling Cutter, Round Inserts.....O.30
仿形锁牙式铣刀

Screw-in Milling Cutter, AMPT Inserts.....O.33
方肩锁牙式铣刀

High-feed Screw-in Milling Cutter.....O.35
快进给锁牙式铣刀

OD Inserts.....O.38
OD单面正型8刃刀片

SN Inserts.....O.38
SN 双面加厚的负型8刃刀片

SE Inserts.....O.39
SE单面正型4刃刀片

HN Inserts.....O.39
HN双面负型12刃刀片

XN Inserts.....O.40
XN负型6刃刀片

ZN Inserts.....O.40
ZN负型6刃刀片

WN Inserts.....O.41
WN负型6刃刀片

RD Inserts.....O.41
RD 圆形刀片

RP Inserts.....O.42
RP 圆形刀片

AP Inserts.....O.43
AP两刃方肩铣刀片

SD Inserts.....O.43
SD 正型四刃刀片

LN Inserts.....O.44
LN 负型4刃刀片









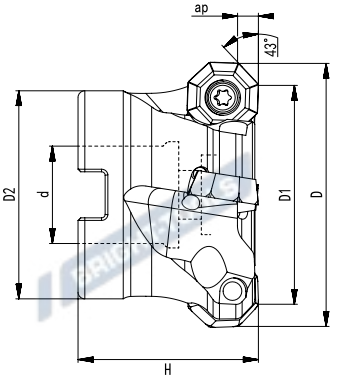

BRIGHT-TOOLS

CUTTING TOOLS

# FACE MILLING

# Face Milling Cutter, 43°
# 平面面铣刀盘 , 43°



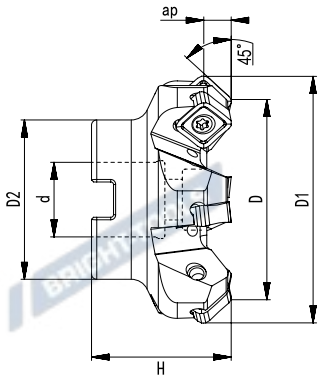



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| FM43-D50-22R-Z04-OD06 | 50 | 60 | 47 | 22 | 40 | 4 | 4 | yes | ● |
| FM43-D63-22R-Z05-OD06 | 63 | 73 | 47 | 22 | 40 | 5 | 4 | yes | ● |
| FM43-D80-27R-Z06-OD06 | 80 | 90 | 58 | 27 | 50 | 6 | 4 | yes | ● |
| FM43-D100-32R-Z07-OD06 | 100 | 110 | 75 | 32 | 50 | 7 | 4 | no | ● |
| FM43-D125-40R-Z08-OD06 | 125 | 135 | 88 | 40 | 63 | 8 | 4 | no | ● |
| FM43-D160-40R-Z10-OD06 | 160 | 170 | 100 | 40 | 63 | 10 | 4 | no | ● |
| FM43-D200-60R-Z12-OD06 | 200 | 210 | 130 | 60 | 63 | 12 | 4 | no | ○ |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| FM43-D50...OD06... | OD..0605 | M5x12 | T20 |

# Face Milling Cutter, 45°
# 平面面铣刀盘 , 45°



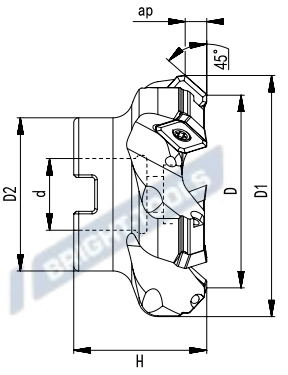



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| FM45-D50-22R-Z05-SN1206 | 50 | 60.5 | 47 | 22 | 40 | 5 | 3 | yes | ● |
| FM45-D63-22R-Z06-SN1206 | 63 | 73.5 | 47 | 22 | 40 | 6 | 3 | yes | ● |
| FM45-D80-27R-Z07-SN1206 | 80 | 90.5 | 58 | 27 | 50 | 7 | 3 | yes | ● |
| FM45-D100-32R-Z08-SN1206 | 100 | 110.5 | 75 | 32 | 50 | 8 | 3 | no | ● |
| FM45-D125-40R-Z09-SN1206 | 125 | 135.5 | 88 | 40 | 63 | 9 | 3 | no | ● |
| FM45-D160-40R-Z12-SN1206 | 160 | 170.5 | 100 | 40 | 63 | 12 | 3 | no | ● |
| FM45-D200-60R-Z14-SN1206 | 200 | 210.5 | 130 | 60 | 63 | 14 | 3 | no | ○ |
| FM45-D250-60R-Z16-SN1206 | 250 | 260.5 | 160 | 60 | 63 | 16 | 3 | no | ○ |
| FM45-D315-60R-Z20-SN1206 | 315 | 325.5 | 220 | 60 | 63 | 20 | 3 | no | ○ |
| FM45-D400-60R-Z28-SN1206 | 400 | 410.5 | 260 | 60 | 63 | 28 | 3 | no | ○ |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| FM45-D50...SN1206... | SN..1206 | M5x12 | T20 |

# Face Milling Cutter, 45°
# 平面面铣刀盘，45°



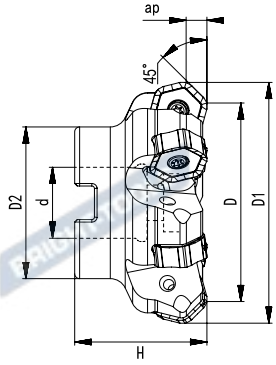



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| FM45-D50-22R-Z04-SE13 | 50 | 63 | 47 | 22 | 40 | 4 | 6 | yes | ● |
| FM45-D63-22R-Z05-SE13 | 63 | 76 | 47 | 22 | 40 | 5 | 6 | yes | ● |
| FM45-D80-27R-Z06-SE13 | 80 | 93 | 58 | 27 | 50 | 6 | 6 | yes | ● |
| FM45-D100-32R-Z07-SE13 | 100 | 103 | 75 | 32 | 50 | 7 | 6 | no | ● |
| FM45-D125-40R-Z08-SE13 | 125 | 138 | 88 | 40 | 63 | 8 | 6 | no | ● |
| FM45-D160-40R-Z10-SE13 | 160 | 173 | 100 | 40 | 63 | 10 | 6 | no | ● |
| FM45-D200-60R-Z12-SE13 | 200 | 213 | 130 | 60 | 63 | 12 | 6 | no | ○ |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| FM45-D50..SE13... | SE..13T3 | M3.5x10 | T15 |

# Face Milling Cutter, 45°
# 平面面铣刀 盘 , 45°



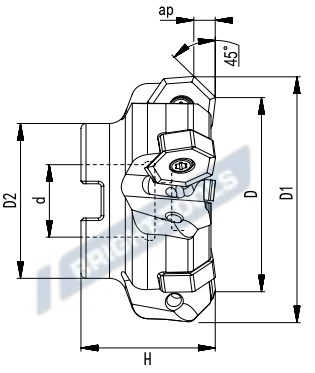



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| FM45-D050-22R-Z4-HN09 | 50 | 61 | - | 22 | 40 | 4 | 4.5 | yes | ● |
| FM45-D050-22R-Z5-HN09 | 50 | 61 | - | 22 | 40 | 5 | 4.5 | yes | ● |
| FM45-D063-22R-Z4-HN09 | 63 | 74 | - | 22 | 40 | 4 | 4.5 | yes | ● |
| FM45-D063-22R-Z6-HN09 | 63 | 74 | - | 22 | 40 | 6 | 4.5 | yes | ● |
| FM45-D080-27R-Z5-HN09 | 80 | 91 | - | 27 | 50 | 5 | 4.5 | yes | ● |
| FM45-D080-27R-Z6-HN09 | 80 | 91 | - | 27 | 50 | 6 | 4.5 | yes | ● |
| FM45-D100-32R-Z6-HN09 | 100 | 111 | - | 32 | 50 | 6 | 4.5 | no | ○ |
| FM45-D100-32R-Z8-HN09 | 100 | 111 | - | 32 | 50 | 8 | 4.5 | no | ● |
| FM45-D125-40R-Z8-HN09 | 125 | 136 | - | 40 | 63 | 8 | 4.5 | no | ● |
| FM45-D125-40R-Z10-HN09 | 125 | 136 | - | 40 | 63 | 10 | 4.5 | no | ● |
| FM45-D160-40R-Z10-HN09 | 160 | 171 | - | 40 | 63 | 10 | 4.5 | no | ● |
| FM45-D160-40R-Z12-HN09 | 160 | 171 | - | 40 | 63 | 12 | 4.5 | no | ● |
| FM45-D200-60R-Z16-HN09 | 200 | 211 | - | 60 | 63 | 16 | 4.5 | no | ● |
| FM45-D250-60R-Z18-HN09 | 250 | 261 | - | 60 | 63 | 18 | 4.5 | no | ○ |
| FM45-D315-60R-Z20-HN09 | 315 | 326 | - | 60 | 63 | 20 | 4.5 | no | ○ |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| FM45-D050...HN09... | HNMX0906 | M4.5x12 | T20 |

# Face Milling Cutter, 45°
# 平面面铣刀盘 , 45°



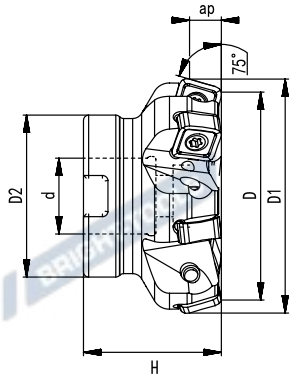



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| FM45-D50-22R-Z04-XN09 | 50 | 63 | 47 | 22 | 40 | 4 | 4.5 | yes | • |
| FM45-D63-22R-Z05-XN09 | 63 | 76 | 47 | 22 | 40 | 5 | 4.5 | yes | • |
| FM45-D80-27R-Z06-XN09 | 80 | 93 | 58 | 27 | 50 | 6 | 4.5 | yes | • |
| FM45-D100-32R-Z07-XN09 | 100 | 103 | 75 | 32 | 50 | 7 | 4.5 | no | • |
| FM45-D100-32R-Z08-XN09 | 100 | 103 | 75 | 32 | 50 | 8 | 4.5 | no | • |
| FM45-D125-40R-Z08-XN09 | 125 | 138 | 88 | 40 | 63 | 8 | 4.5 | no | • |
| FM45-D160-40R-Z09-XN09 | 160 | 173 | 100 | 40 | 63 | 9 | 4.5 | no | • |
| FM45-D200-60R-Z12-XN09 | 200 | 213 | 130 | 60 | 63 | 12 | 4.5 | no | • |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| FM45-D50...XN09... | XNMX0906 | M4.5x12 | T20 |

# Face Milling Cutter, 75°
# 平面面铣刀盘 , 75°



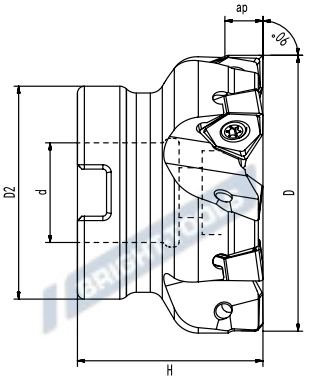



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| FM75-D50-22R-Z05-SN1206 | 50 | 60.5 | 47 | 22 | 40 | 5 | 5 | yes | ● |
| FM75-D63-22R-Z06-SN1206 | 63 | 73.5 | 47 | 22 | 40 | 6 | 5 | yes | ● |
| FM75-D80-27R-Z07-SN1206 | 80 | 90.5 | 58 | 27 | 50 | 7 | 5 | yes | ● |
| FM75-D100-32R-Z08-SN1206 | 100 | 110.5 | 75 | 32 | 50 | 8 | 5 | no | ● |
| FM75-D125-40R-Z09-SN1206 | 125 | 135.5 | 88 | 40 | 63 | 9 | 5 | no | ● |
| FM75-D160-40R-Z12-SN1206 | 160 | 170.5 | 100 | 40 | 63 | 12 | 5 | no | ● |
| FM75-D200-60R-Z14-SN1206 | 200 | 210.5 | 130 | 60 | 63 | 14 | 5 | no | ○ |
| FM75-D250-60R-Z16-SN1206 | 250 | 260.5 | 160 | 60 | 63 | 16 | 5 | no | ○ |
| FM75-D315-60R-Z20-SN1206 | 315 | 325.5 | 220 | 60 | 63 | 20 | 5 | no | ○ |
| FM75-D400-60R-Z28-SN1206 | 400 | 410.5 | 260 | 60 | 63 | 28 | 5 | no | ○ |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| FM75-D50...SN1206... | SN..1206 | M5x12 | T20 |

# Face Milling Cutter, 90°
# 平面面铣刀盘 , 90°



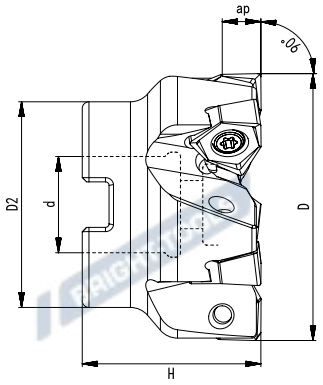



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| FM90-D50-22R-Z04-ZN08 | 50 | - | 47 | 22 | 40 | 4 | 7 | yes | ● |
| FM90-D50-22R-Z05-ZN08 | 50 | - | 47 | 22 | 40 | 5 | 7 | yes | ● |
| FM90-D63-22R-Z05-ZN08 | 63 | - | 47 | 22 | 40 | 5 | 7 | yes | ● |
| FM90-D63-22R-Z06-ZN08 | 63 | - | 47 | 22 | 40 | 6 | 7 | yes | ● |
| FM90-D80-27R-Z06-ZN08 | 80 | - | 58 | 27 | 50 | 6 | 7 | yes | ● |
| FM90-D80-27R-Z07-ZN08 | 80 | - | 58 | 27 | 50 | 7 | 7 | yes | ● |
| FM90-D100-32R-Z08-ZN08 | 100 | - | 75 | 32 | 50 | 8 | 7 | no | ● |
| FM90-D125-40R-Z09-ZN08 | 125 | - | 88 | 40 | 63 | 9 | 7 | no | ○ |
| FM90-D125-40R-Z11-ZN08 | 125 | - | 88 | 40 | 63 | 11 | 7 | no | ○ |
| FM90-D160-40R-Z10-ZN08 | 160 | - | 100 | 40 | 63 | 10 | 7 | no | ○ |
| FM90-D200-60R-Z12-ZN08 | 200 | - | 130 | 60 | 63 | 12 | 7 | no | ○ |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| FM90-D50...ZN08... | ZN..0806 | M4X10 | T15 |

# Face Milling Cutter, 90°
# 平面面铣刀盘 , 90°



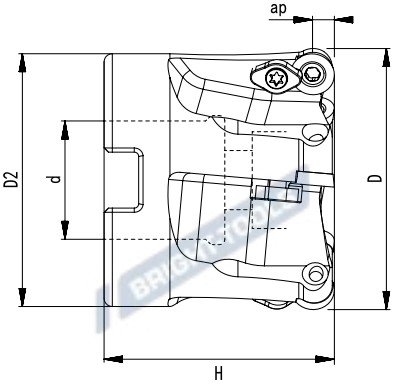



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| FM90-D50-22R-Z04-WN08 | 50 | - | 47 | 22 | 40 | 4 | 7.5 | yes | ● |
| FM90-D50-22R-Z05-WN08 | 50 | - | 47 | 22 | 40 | 5 | 7.5 | yes | ● |
| FM90-D63-22R-Z05-WN08 | 63 | - | 47 | 27 | 40 | 5 | 7.5 | yes | ● |
| FM90-D63-22R-Z06-WN08 | 63 | - | 47 | 32 | 40 | 6 | 7.5 | yes | ● |
| FM90-D80-27R-Z06-WN08 | 80 | - | 58 | 40 | 50 | 6 | 7.5 | yes | ● |
| FM90-D80-27R-Z07-WN08 | 80 | - | 58 | 40 | 50 | 7 | 7.5 | yes | ● |
| FM90-D100-32R-Z08-WN08 | 100 | - | 75 | 32 | 50 | 8 | 7.5 | no | ● |
| FM90-D125-40R-Z09-WN08 | 125 | - | 88 | 40 | 63 | 9 | 7.5 | no | ○ |
| FM90-D125-40R-Z11-WN08 | 125 | - | 88 | 40 | 63 | 11 | 7.5 | no | ○ |
| FM90-D160-40R-Z10-WN08 | 160 | - | 100 | 40 | 63 | 10 | 7.5 | no | ○ |
| FM90-D200-40R-Z12-WN08 | 200 | - | 130 | 60 | 63 | 12 | 7.5 | no | ○ |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| FM90-D50...WN08... | WN..0806 | M5X12 | T20 |

# Face Milling Cutter, Round Inserts
# 仿形面铣刀盘



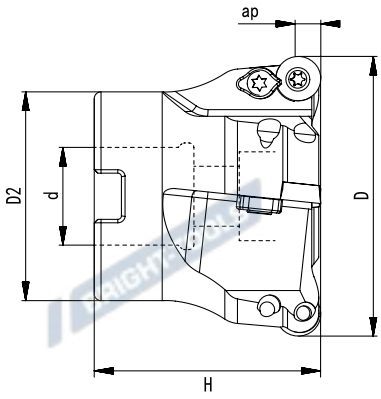



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| RP08-D40-16R-4T | 50 | - | 47 | 22 | 40 | 4 | 4 | no | ● |
| RP08-D50-22R-5T | 50 | - | 47 | 22 | 42 | 5 | 4 | no | ● |
| RP08-D63-22R-6T | 63 | - | 47 | 22 | 42 | 4 | 4 | no | ● |

| Size | Clamp | Clamp screw | Insert | Insert Screw | Wrench |
|---|---|---|---|---|---|
| RP08-D40...4T... | A-4R | M3X7 | RP..0802 | M3X7 | T10 |

# Face Milling Cutter, Round Inserts
# 仿形面铣刀盘



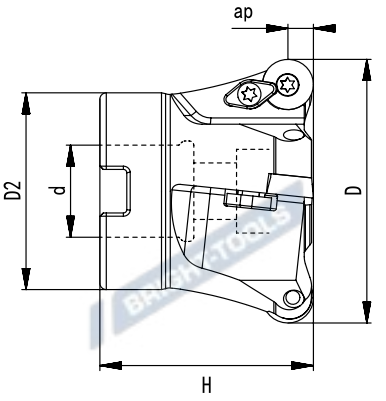



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| RP10-D50-22R-4T | 63 | - | 47 | 22 | 50 | 5 | 5 | no | • |
| RP10-D63-22R-4T | 80 | - | 58 | 27 | 50 | 6 | 5 | no | • |
| RP10-D63-22R-5T | 100 | - | 75 | 32 | 50 | 7 | 5 | no | • |
| RP10-D80-27R-6T | 125 | - | 88 | 40 | 50 | 8 | 5 | no | • |
| RP10-D100-32R-6T | 160 | - | 110 | 40 | 50 | 9 | 5 | no | • |

| Size | Clamp | Clamp screw | Insert | Insert Screw | Wrench |
|---|---|---|---|---|---|
| RP10-D50...4T... | A-5R | M3.5X9 | RP..1003/RD..1003 | M4X9 | T15 |

# Face Milling Cutter, Round Inserts
# 仿形面铣刀盘



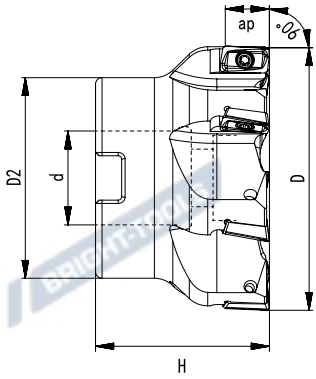



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| RP12-D50-22R-4T | 50 | - | 47 | 22 | 50 | 4 | 6 | no | ● |
| RP12-D63-22R-4T | 63 | - | 47 | 22 | 50 | 4 | 6 | no | ● |
| RP12-D63-22R-5T | 63 | - | 47 | 22 | 50 | 5 | 6 | no | ● |
| RP12-D80-27R-6T | 80 | - | 58 | 27 | 50 | 6 | 6 | no | ● |
| RP12-D100-32R-6T | 100 | - | 75 | 32 | 50 | 6 | 6 | no | ● |
| RP12-D125-40R-8T | 125 | - | 88 | 40 | 63 | 8 | 6 | no | ● |
| RP12-D160-40R-9T | 160 | - | 110 | 40 | 63 | 9 | 6 | no | ● |
| RP12-D200-60R-10T | 200 | - | 130 | 60 | 63 | 10 | 6 | no | ○ |

| Size | Clamp | Clamp screw | Insert | Insert Screw | Wrench |
|---|---|---|---|---|---|
| RP12-D50...4T... | A-6R | M4X9 | RP..1204/RD..1204 | M4X10 | T15 |

# Face Milling Cutter, AMPT Inserts
# 方肩面铣刀盘



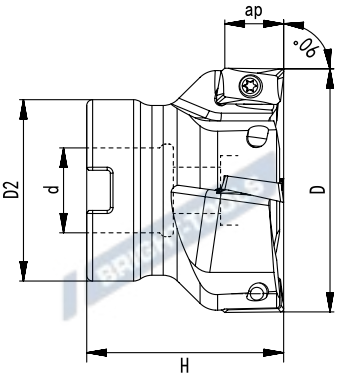



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| BAP300R-D50-22R-6T | 50 | - | 47 | 22 | 40 | 6 | 14 | no | • |
| BAP300R-D63-22R-7T | 63 | - | 47 | 22 | 40 | 7 | 14 | no | • |
| BAP300R-D80-27R-8T | 80 | - | 58 | 27 | 50 | 8 | 14 | no | • |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| BAP300R-D50...6T... | APMT 1135 | M2.5X6 | T08 |

# Face Milling Cutter, AMPT Inserts
# 方肩面铣刀盘



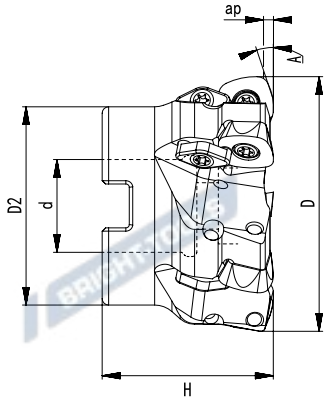



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| BAP400R-D50-22R-4T | 50 | - | 47 | 22 | 50 | 4 | 14 | no | ● |
| BAP400R-D50-22R-5T | 50 | - | 47 | 22 | 50 | 5 | 14 | no | ● |
| BAP400R-D63-22R-4T | 63 | - | 47 | 22 | 50 | 4 | 14 | no | ● |
| BAP400R-D63-22R-5T | 63 | - | 47 | 22 | 50 | 5 | 14 | no | ● |
| BAP400R-D80-27R-6T | 80 | - | 58 | 27 | 50 | 6 | 14 | no | ● |
| BAP400R-D100-32R-7T | 100 | - | 75 | 32 | 50 | 7 | 14 | no | ● |
| BAP400R-D125-40R-8T | 125 | - | 88 | 40 | 63 | 8 | 14 | no | ● |
| BAP400R-D160-40R-9T | 160 | - | 110 | 40 | 63 | 9 | 14 | no | ○ |
| BAP400R-D200-60R-9T | 200 | - | 130 | 60 | 63 | 9 | 14 | no | ○ |
| BAP400R-D200-60R-12T | 200 | - | 130 | 60 | 63 | 12 | 14 | no | ○ |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| BAP400R-D50...4T... | APMT 1604 | M4X10 | T15 |

# High-feed Face Milling Cutter
## 快进给铣刀盘



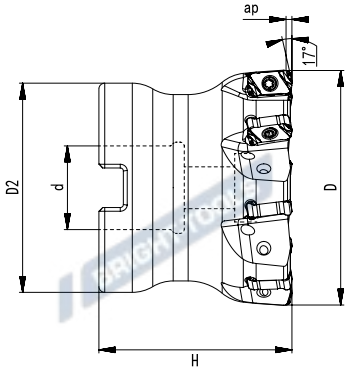



| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| FMSD12-D50-22R-Z4-A | 50 | - | 47 | 22 | 40 | 4 | 2 | yes | • |
| FMSD12-D63-22R-Z5-A | 63 | - | 47 | 22 | 40 | 5 | 2 | yes | • |
| FMSD12-D80-27R-Z6-A | 80 | - | 58 | 27 | 50 | 6 | 2 | yes | • |

| Size | Clamp | Clamp screw | Insert | Insert Screw | Wrench |
|---|---|---|---|---|---|
| FMSD12-D50...A... | A-6R | M4X10 | SD..1205 | M4X10 | T15 |

# High-feed Face Milling Cutter
## 快进给铣刀盘






| Size | D | D1 | D2 | d | h | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| FMLN03-D40-16R-Z6 | 40 | - | 35 | 16 | 40 | 6 | 1 | yes | • |
| FMLN03-D50-22R-Z7 | 50 | - | 47 | 22 | 50 | 7 | 1 | yes | • |
| FMLN03-D63-22R-Z8 | 63 | - | 55 | 22 | 50 | 8 | 1 | yes | • |
| FMLN03-D80-27R-Z9 | 80 | - | 70 | 27 | 50 | 9 | 1 | yes | • |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| FMLN03-D40...Z6... | LN..0303 | M2.5X7 | T08 |

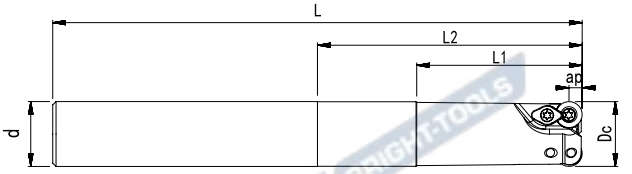
BRIGHT-TOOLS

CUTTING TOOLS

# END MILLING

# End Milling Cutter, Round Inserts
# 仿形立铣刀杆






| Size | Dc | d | L | L1 | L2 | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| RP08-D12-120-C12-1T | 12 | 12 | 120 | 40 | - | 1 | 4 | no | ● |
| RP08-D13-120-C12-1T | 13 | 12 | 120 | 40 | - | 1 | 4 | no | ● |
| RP08-D16-120-C12-2T | 16 | 12 | 120 | 40 | - | 2 | 4 | no | ● |
| RP08-D16-160-C16-2T | 16 | 16 | 160 | 40 | - | 2 | 4 | no | ● |
| RP08-D16-200-C16-2T | 16 | 16 | 200 | 40 | 100 | 2 | 4 | no | ● |
| RP08-D17-160-C16-2T | 17 | 16 | 160 | 40 | - | 2 | 4 | no | ● |
| RP08-D17-200-C16-2T | 17 | 16 | 200 | 40 | - | 2 | 4 | no | ● |
| RP08-D20-160-C20-2T | 20 | 20 | 160 | 50 | - | 2 | 4 | no | ● |
| RP08-D20-200-C20-2T | 20 | 20 | 200 | 50 | 100 | 2 | 4 | no | ● |
| RP08-D21-160-C20-2T | 21 | 20 | 160 | 50 | - | 2 | 4 | no | ● |
| RP08-D21-200-C20-2T | 21 | 20 | 200 | 50 | - | 2 | 4 | no | ● |



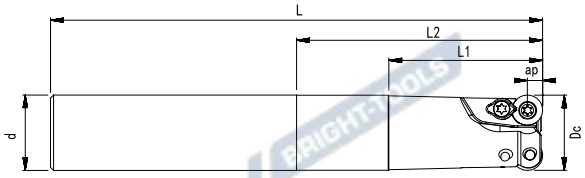




| Size | Clamp | Clamp screw | Insert | Insert Screw | Wrench |
|---|---|---|---|---|---|
| RP08-D12...1T... | A-4R | M3X7 | RP..0802 | M3X7 | T08 |

# End Milling Cutter, Round Inserts
## 仿形立铣刀杆



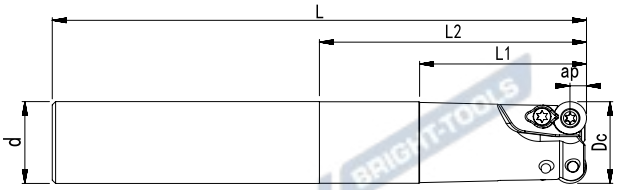



| Size | Dc | d | L | L1 | L2 | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| RP10-D20-160-C20-2T | 20 | 20 | 160 | 50 | - | 2 | 5 | no | • |
| RP10-D20-200-C20-2T | 20 | 20 | 200 | 50 | - | 2 | 5 | no | • |
| RP10-D21-160-C20-2T | 21 | 20 | 160 | 50 | - | 2 | 5 | no | • |
| RP10-D25-160-C25-2T | 25 | 25 | 160 | 50 | - | 2 | 5 | no | • |
| RP10-D25-160-C20-2T | 25 | 20 | 160 | 50 | - | 2 | 5 | no | • |
| RP10-D25-200-C25-2T | 25 | 25 | 200 | 75 | - | 2 | 5 | no | • |
| RP10-D25-250-C25-2T | 25 | 25 | 250 | 70 | 115 | 2 | 5 | no | • |
| RP10-D25-200-C20-2T | 25 | 20 | 200 | 50 | - | 2 | 5 | no | • |
| RP10-D30-110-C25-2T | 30 | 25 | 110 | 40 | - | 2 | 5 | no | • |
| RP10-D30-160-C25-2T | 30 | 25 | 160 | 50 | - | 2 | 5 | no | • |
| RP10-D30-200-C25-2T | 30 | 25 | 200 | 60 | - | 2 | 5 | no | • |
| RP10-D30-250-C25-2T | 30 | 25 | 250 | 60 | - | 2 | 5 | no | • |
| RP10-D30-300-C25-2T | 30 | 25 | 300 | 60 | - | 2 | 5 | no | • |
| RP10-D35-160-C32-3T | 35 | 32 | 160 | 50 | - | 3 | 5 | no | • |
| RP10-D35-200-C32-3T | 35 | 32 | 200 | 50 | - | 3 | 5 | no | • |
| RP10-D35-250-C32-3T | 35 | 32 | 250 | 60 | - | 3 | 5 | no | • |
| RP10-D35-300-C32-3T | 35 | 32 | 300 | 60 | - | 3 | 5 | no | • |
| RP10-D35-350-C32-3T | 35 | 32 | 350 | 60 | - | 3 | 5 | no | • |
| RP10-D40-160-C32-3T | 40 | 32 | 160 | 50 | - | 3 | 5 | no | • |
| RP10-D40-160-C32-4T | 40 | 32 | 160 | 50 | - | 4 | 5 | no | • |
| RP10-D40-200-C32-4T | 40 | 32 | 200 | 50 | - | 4 | 5 | no | • |

| Size | Clamp | Clamp screw | Insert | Insert Screw | Wrench |
|---|---|---|---|---|---|
| RP10-D20...2T... | A-5R | M3.5X9 | RP..1003 | M4X10 | T15 |

# End Milling Cutter, Round Inserts
## 仿形立铣刀杆



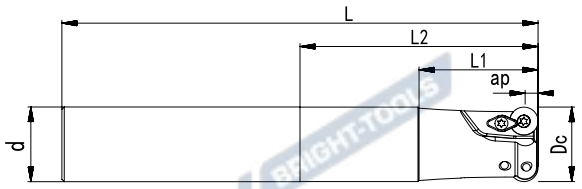



| Size | Dc | d | L | L1 | L2 | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| TRS5R-D20-160-C20-2T | 20 | 20 | 160 | 50 | - | 2 | 5 | no | ● |
| TRS5R-D20-200-C20-2T | 20 | 20 | 200 | 50 | - | 2 | 5 | no | ● |
| TRS5R-D21-160-C20-2T | 21 | 20 | 160 | 50 | - | 2 | 5 | no | ● |
| TRS5R-D25-160-C25-2T | 25 | 25 | 160 | 50 | - | 2 | 5 | no | ● |
| TRS5R-D25-160-C20-2T | 25 | 20 | 160 | 50 | - | 2 | 5 | no | ● |
| TRS5R-D25-200-C25-2T | 25 | 25 | 200 | 75 | - | 2 | 5 | no | ● |
| TRS5R-D25-250-C25-2T | 25 | 25 | 250 | 70 | 115 | 2 | 5 | no | ● |
| TRS5R-D25-200-C20-2T | 25 | 20 | 200 | 50 | - | 2 | 5 | no | ● |
| TRS5R-D30-110-C25-2T | 30 | 25 | 110 | 40 | - | 2 | 5 | no | ● |
| TRS5R-D30-160-C25-2T | 30 | 25 | 160 | 50 | - | 2 | 5 | no | ● |
| TRS5R-D30-200-C25-2T | 30 | 25 | 200 | 60 | - | 2 | 5 | no | ● |
| TRS5R-D30-250-C25-2T | 30 | 25 | 250 | 60 | - | 2 | 5 | no | ● |
| TRS5R-D30-300-C25-2T | 30 | 25 | 300 | 60 | - | 2 | 5 | no | ● |
| TRS5R-D35-160-C32-3T | 35 | 32 | 160 | 50 | - | 3 | 5 | no | ● |
| TRS5R-D35-200-C32-3T | 35 | 32 | 200 | 50 | - | 3 | 5 | no | ● |
| TRS5R-D35-250-C32-3T | 35 | 32 | 250 | 60 | - | 3 | 5 | no | ● |
| TRS5R-D35-300-C32-3T | 35 | 32 | 300 | 60 | - | 3 | 5 | no | ● |
| TRS5R-D35-350-C32-3T | 35 | 32 | 350 | 60 | - | 3 | 5 | no | ● |
| TRS5R-D40-160-C32-3T | 40 | 32 | 160 | 50 | - | 3 | 5 | no | ● |
| TRS5R-D40-160-C32-4T | 40 | 32 | 160 | 50 | - | 4 | 5 | no | ● |
| TRS5R-D40-200-C32-4T | 40 | 32 | 200 | 50 | - | 4 | 5 | no | ● |

| Size | Clamp | Clamp screw | Insert | Insert Screw | Wrench |
|---|---|---|---|---|---|
| TRS5R-D20...2T... | A-5R | M3.5X9 | RD..10T3 | M4X10 | T15 |

# End Milling Cutter, Round Inserts
# 仿形立铣刀杆



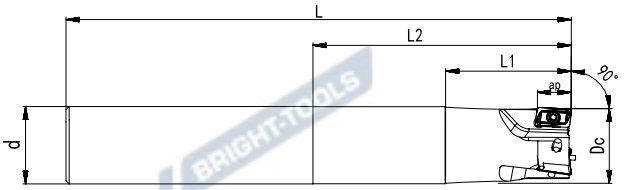



| Size | Dc | d | L | L1 | L2 | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| RP12-D32-160-C25-2T | 32 | 25 | 160 | 50 | - | 2 | 6 | no | • |
| RP12-D32-160-C32-2T | 32 | 32 | 160 | 50 | - | 2 | 6 | no | • |
| RP12-D32-200-C25-2T | 32 | 25 | 200 | 60 | - | 2 | 6 | no | • |
| RP12-D32-200-C32-2T | 32 | 32 | 200 | 80 | - | 2 | 6 | no | • |
| RP12-D35-160-C32-3T | 35 | 32 | 160 | 50 | - | 3 | 6 | no | • |
| RP12-D35-200-C32-3T | 35 | 32 | 200 | 60 | - | 3 | 6 | no | • |
| RP12-D35-250-C32-3T | 35 | 32 | 250 | 60 | - | 3 | 6 | no | • |
| RP12-D35-300-C32-3T | 35 | 32 | 300 | 60 | - | 3 | 6 | no | • |
| RP12-D35-350-C32-3T | 35 | 32 | 350 | 50 | - | 3 | 6 | no | • |
| RP12-D40-160-C32-3T | 40 | 32 | 160 | 50 | - | 3 | 6 | no | • |
| RP12-D40-200-C32-3T | 40 | 32 | 200 | 60 | - | 3 | 6 | no | • |
| RP12-D40-250-C32-3T | 40 | 32 | 250 | 60 | - | 3 | 6 | no | • |

| Size | Clamp | Clamp screw | Insert | Insert Screw | Wrench |
|---|---|---|---|---|---|
| RP12-D32...2T... | A-6R | M4X10 | RP..1204 | M4X10 | T15 |

# End Milling Cutter, AMPT Inserts
# 方肩立铣刀杆



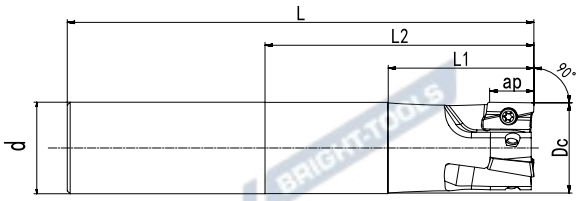



| Size | Dc | d | L | L1 | L2 | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| BAP300R-D10-120-C10-1T | 10 | 10 | 120 | 30 | - | 1 | 9 | no | ● |
| BAP300R-D12-100-C12-1T | 12 | 12 | 100 | 30 | - | 1 | 9 | no | ● |
| BAP300R-D12-120-C12-1T | 12 | 12 | 120 | 30 | - | 1 | 9 | no | ● |
| BAP300R-D12-130-C12-1T | 12 | 12 | 130 | 30 | - | 1 | 9 | no | ● |
| BAP300R-D12-150-C12-1T | 12 | 12 | 150 | 40 | - | 1 | 9 | no | ● |
| BAP300R-D13-120-C12-1T | 13 | 12 | 120 | 30 | - | 1 | 9 | no | ● |
| BAP300R-D13-130-C12-1T | 13 | 12 | 130 | 40 | - | 1 | 9 | no | ● |
| BAP300R-D13-150-C12-1T | 13 | 12 | 150 | 40 | - | 1 | 9 | no | ● |
| BAP300R-D16-120-C16-2T | 16 | 16 | 120 | 40 | - | 2 | 9 | no | ● |
| BAP300R-D16-160-C16-2T | 16 | 16 | 160 | 40 | - | 2 | 9 | no | ● |
| BAP300R-D16-180-C15-2T | 16 | 15 | 180 | 40 | - | 2 | 9 | no | ● |
| BAP300R-D16-180-C16-2T | 16 | 16 | 180 | 40 | - | 2 | 9 | no | ● |
| BAP300R-D16-200-C16-2T | 16 | 16 | 200 | 40 | 100 | 2 | 9 | no | ● |
| BAP300R-D17-160-C16-2T | 17 | 16 | 160 | 40 | - | 2 | 9 | no | ● |
| BAP300R-D17-180-C16-2T | 17 | 16 | 180 | 40 | - | 2 | 9 | no | ● |
| BAP300R-D17-200-C16-2T | 17 | 16 | 200 | 40 | - | 2 | 9 | no | ● |
| BAP300R-D20-120-C20-3T | 20 | 20 | 120 | 40 | - | 3 | 9 | no | ● |
| BAP300R-D20-160-C20-3T | 20 | 20 | 160 | 50 | - | 3 | 9 | no | ● |
| BAP300R-D20-180-C20-2T | 20 | 20 | 180 | 50 | - | 2 | 9 | no | ● |
| BAP300R-D20-200-C20-2T | 20 | 20 | 200 | 50 | 100 | 2 | 9 | no | ● |
| BAP300R-D21-150-C20-2T | 21 | 20 | 150 | 40 | - | 2 | 9 | no | ● |
| BAP300R-D21-160-C20-2T | 21 | 20 | 160 | 40 | - | 2 | 9 | no | ● |
| BAP300R-D21-200-C20-2T | 21 | 20 | 200 | 50 | - | 2 | 9 | no | ● |
| BAP300R-D25-160-C25-3T | 25 | 25 | 160 | 50 | - | 3 | 9 | no | ● |
| BAP300R-D25-200-C25-3T | 25 | 25 | 200 | 75 | - | 3 | 9 | no | ● |
| BAP300R-D30-160-C25-3T | 30 | 25 | 160 | 50 | - | 3 | 9 | no | ● |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| BAP300R-D10..1T... | APMT1135PDER | M2.5X5 | T08 |
| BAP300R-D16..2T... | APMT1135PDER | M2.5X6 | T08 |

# End Milling Cutter, AMPT Inserts
## 方肩立铣刀杆



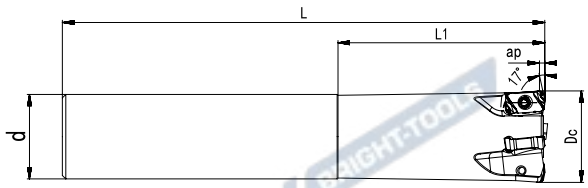



| Size | Dc | d | L | L1 | L2 | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| BAP400R-D20-160-C20-2T | 20 | 20 | 160 | 50 | - | 2 | 14 | no | ● |
| BAP400R-D20-200-C20-2T | 20 | 20 | 200 | 50 | - | 2 | 14 | no | ● |
| BAP400R-D25-160-C24-2T | 25 | 24 | 160 | 50 | - | 2 | 14 | no | ● |
| BAP400R-D25-160-C25-2T | 25 | 25 | 160 | 50 | - | 2 | 14 | no | ● |
| BAP400R-D25-200-C24-2T | 25 | 24 | 200 | 75 | - | 2 | 14 | no | ● |
| BAP400R-D25-200-C25-2T | 25 | 25 | 200 | 75 | - | 2 | 14 | no | ● |
| BAP400R-D25-250-C24-2T | 25 | 24 | 250 | 50 | - | 2 | 14 | no | ● |
| BAP400R-D25-250-C25-2T | 25 | 25 | 250 | 50 | 115 | 2 | 14 | no | ● |
| BAP400R-D26-160-C25-2T | 26 | 25 | 160 | 50 | - | 2 | 14 | no | ● |
| BAP400R-D26-200-C25-2T | 26 | 25 | 200 | 50 | - | 2 | 14 | no | ● |
| BAP400R-D32-160-C25-3T | 32 | 25 | 160 | 50 | - | 3 | 14 | no | ● |
| BAP400R-D32-200-C25-2T | 32 | 25 | 200 | 50 | - | 2 | 14 | no | ● |
| BAP400R-D32-200-C25-3T | 32 | 25 | 200 | 50 | - | 3 | 14 | no | ● |
| BAP400R-D32-160-C32-3T | 32 | 32 | 160 | 80 | - | 3 | 14 | no | ● |
| BAP400R-D32-200-C32-3T | 32 | 32 | 200 | 80 | - | 3 | 14 | no | ● |
| BAP400R-D32-250-C32-3T | 32 | 32 | 250 | 80 | - | 3 | 14 | no | ● |
| BAP400R-D35-160-C32-3T | 35 | 32 | 160 | 50 | - | 3 | 14 | no | ● |
| BAP400R-D35-200-C32-3T | 35 | 32 | 200 | 50 | - | 3 | 14 | no | ● |
| BAP400R-D35-250-C32-3T | 35 | 32 | 250 | 60 | - | 3 | 14 | no | ● |
| BAP400R-D40-160-C32-3T | 40 | 32 | 160 | 50 | - | 3 | 14 | no | ● |
| BAP400R-D40-200-C32-3T | 40 | 32 | 200 | 50 | - | 3 | 14 | no | ● |
| BAP400R-D40-250-C32-3T | 40 | 32 | 250 | 60 | - | 3 | 14 | no | ● |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| BAP400R-D20...2T... | APMT 1604PDER | M4X8 | T15 |
| BAP400R-D25...2T... | APMT 1604PDER | M4X9 | T15 |

# High-feed End Milling Cutter
## 快进给铣刀杆






| Size | Dc | d | L | L1 | L2 | z | ap | Internal Cooling | Stock |
|---|---|---|---|---|---|---|---|---|---|
| EXN03-D16-C16-100-02 | 16 | 16 | 100 | 30 | - | 2 | 1 | no | • |
| EXN03-D16-C16-150-02 | 16 | 16 | 150 | 50 | - | 2 | 1 | no | • |
| EXN03-D18-C16-100-02 | 18 | 16 | 100 | 30 | - | 2 | 1 | no | • |
| EXN03-D18-C16-150-02 | 18 | 16 | 150 | 25 | - | 2 | 1 | no | • |
| EXN03-D20-C20-130-03 | 20 | 20 | 130 | 50 | - | 3 | 1 | no | • |
| EXN03-D20-C20-160-03 | 20 | 20 | 160 | 80 | - | 3 | 1 | no | • |
| EXN03-D22-C20-130-03 | 22 | 20 | 130 | 50 | - | 3 | 1 | no | • |
| EXN03-D22-C20-160-03 | 22 | 20 | 160 | 30 | - | 3 | 1 | no | • |
| EXN03-D25-C25-140-04 | 25 | 25 | 140 | 60 | - | 4 | 1 | no | • |
| EXN03-D25-C25-180-04 | 25 | 25 | 180 | 100 | - | 4 | 1 | no | • |
| EXN03-D26-C25-140-04 | 26 | 25 | 140 | 60 | - | 4 | 1 | no | • |
| EXN03-D26-C25-180-04 | 26 | 25 | 180 | 60 | - | 4 | 1 | no | • |
| EXN03-D28-C25-140-04 | 28 | 25 | 140 | 60 | - | 4 | 1 | no | • |
| EXN03-D28-C25-180-04 | 28 | 25 | 180 | 35 | - | 4 | 1 | no | • |
| EXN03-D30-C32-150-05 | 30 | 32 | 150 | 70 | - | 5 | 1 | no | • |
| EXN03-D30-C32-200-05 | 30 | 32 | 200 | 120 | - | 5 | 1 | no | • |
| EXN03-D32-C32-150-05 | 32 | 32 | 150 | 70 | - | 5 | 1 | no | • |
| EXN03-D32-C32-200-05 | 32 | 32 | 200 | 120 | - | 5 | 1 | no | • |
| EXN03-D35-C32-150-05 | 35 | 32 | 150 | 35 | - | 5 | 1 | no | • |
| EXN03-D35-C32-200-05 | 35 | 32 | 200 | 35 | - | 5 | 1 | no | • |
| EXN03-D40-C32-150-06 | 40 | 32 | 150 | 45 | - | 6 | 1 | no | • |
| EXN03-D40-C32-220-06 | 40 | 32 | 220 | 45 | - | 6 | 1 | no | • |

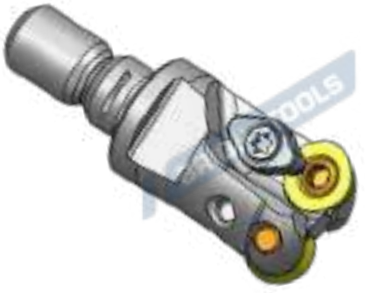
| Size | Insert | Screw | Wrench |
|---|---|---|---|
| EXN03-D16...02... | LN..0303 | M2.5X7XD3.6 | T08 |

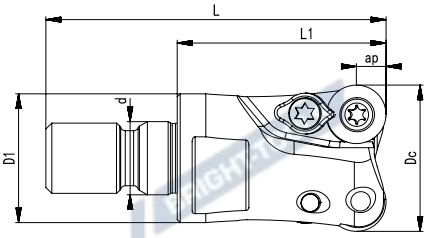
BRIGHT-TOOLS

CUTTING TOOLS

# SCREW-IN MILLING

# Screw-in Milling Cutter, Round Inserts
# 仿形锁牙式铣刀

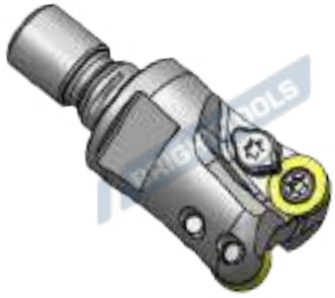


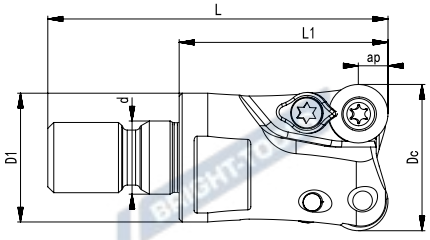



| Size | Dc | d | D1 | L | L1 | z | ap | Stock |
|---|---|---|---|---|---|---|---|---|
| RP08-D16-M8-2T | 16 | 8.5 | 14.5 | 42 | 25 | 2 | 4 | • |
| RP08-D17-M8-2T | 17 | 8.5 | 14.5 | 42 | 25 | 2 | 4 | • |
| RP08-D20-M10-2T | 20 | 10.5 | 18 | 49 | 30 | 2 | 4 | • |
| RP08-D21-M10-2T | 21 | 10.5 | 18 | 49 | 30 | 2 | 4 | • |
| RP08-D25-M12-3T | 25 | 12.5 | 22 | 57 | 35 | 3 | 4 | • |
| RP08-D26-M12-3T | 26 | 12.5 | 22 | 57 | 35 | 3 | 4 | • |

| Size | Clamp | Clamp screw | Insert | Insert Screw | Wrench |
|---|---|---|---|---|---|
| RP08-D16...2T... | A-4R | M3X7 | RP..0802 | M3X7 | T10 |

# Screw-in Milling Cutter, Round Inserts
# 仿形锁牙式铣刀



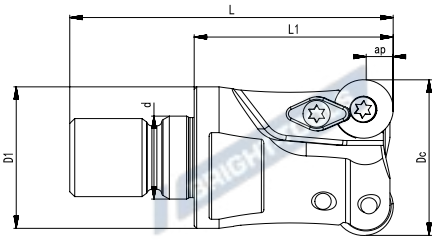



| Size | Dc | d | D1 | L | L1 | z | ap | Stock |
|---|---|---|---|---|---|---|---|---|
| RP10-D20-M10-2T | 20 | 10.5 | 18 | 49 | 30 | 2 | 5 | • |
| RP10-D21-M10-2T | 21 | 10.5 | 18 | 49 | 30 | 2 | 5 | • |
| RP10-D25-M12-2T | 25 | 12.5 | 22 | 57 | 35 | 2 | 5 | • |
| RP10-D30-M16-2T | 30 | 17 | 29 | 63 | 40 | 2 | 5 | • |

| Size | Clamp | Clamp Screw | Insert Screw | Screw | Wrench |
|---|---|---|---|---|---|
| RP10-D20...2T... | A-5R | M3.5X9 | RP..1003 | M4X9 | T15 |

# Screw-in Milling Cutter, Round Inserts
# 仿形锁牙式铣刀



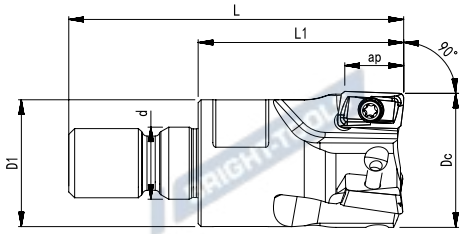



| Size | Dc | d | D1 | L | L1 | z | ap | Stock |
|---|---|---|---|---|---|---|---|---|
| RP12-D32-M16-2T | 32 | 17 | 29 | 63 | 40 | 2 | 6 | • |
| RP12-D35-M16-3T | 35 | 17 | 29 | 63 | 40 | 3 | 6 | • |

| Size | Clamp | Clamp Screw | Insert | Insert Screw | Wrench |
|---|---|---|---|---|---|
| RP12-D32...2T... | A-6R | M4X9 | RP..1204 | M4X10 | T15 |

# Screw-in Milling Cutter, AMPT Inserts
# 方肩锁牙式铣刀

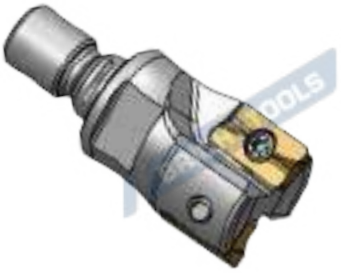


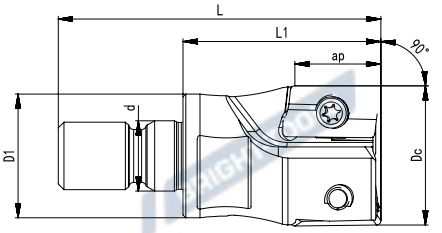



| Size | Dc | d | D1 | L | L1 | z | ap | Stock |
|---|---|---|---|---|---|---|---|---|
| BAP300R-D16-M8-2T | 16 | 8.5 | 14.5 | 42 | 25 | 2 | 9 | • |
| BAP300R-D17-M8-2T | 17 | 8.5 | 14.5 | 42 | 25 | 2 | 9 | • |
| BAP300R-D20-M10-2T | 20 | 10.5 | 18 | 49 | 30 | 2 | 9 | • |
| BAP300R-D21-M10-2T | 21 | 10.5 | 18 | 49 | 30 | 2 | 9 | • |
| BAP300R-D25-M12-3T | 25 | 12.5 | 22 | 57 | 35 | 3 | 9 | • |
| BAP300R-D30-M16-3T | 30 | 17 | 29 | 63 | 40 | 3 | 9 | • |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| BAP300R-D16...2T... | APMT 1135PDER | M2.5X6 | T08 |

# Screw-in Milling Cutter, AMPT Inserts
# 方肩锁牙式铣刀

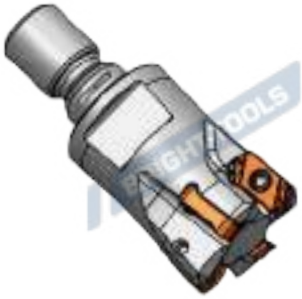


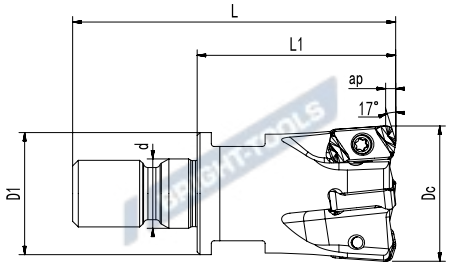



| Size | Dc | d | D1 | L | L1 | z | ap | Stock |
|---|---|---|---|---|---|---|---|---|
| BAP400R-D25-M12-2T | 25 | 12.5 | 22 | 57 | 35 | 2 | 14 | • |
| BAP400R-D26-M12-2T | 26 | 12.5 | 22 | 57 | 35 | 2 | 14 | • |
| BAP400R-D32-M16-3T | 32 | 17 | 29 | 63 | 40 | 3 | 14 | • |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| BAP400R-D25...2T... | APMT 1604PDER | M4X9 | T15 |

# High-feed Screw-in Milling Cutter
# 快进给锁牙式铣刀






| Size | Dc | d | D1 | L | L1 | z | ap | Stock |
|---|---|---|---|---|---|---|---|---|
| EXN03-D16-M10-02 | 16 | 8.5 | 14.5 | 42 | 25 | 2 | 1 | • |
| EXN03-D20-M10-03 | 20 | 10.5 | 18 | 49 | 30 | 3 | 1 | • |
| EXN03-D22-M10-03 | 22 | 10.5 | 18 | 49 | 30 | 3 | 1 | • |
| EXN03-D25-M12-04 | 25 | 12.5 | 22 | 57 | 35 | 4 | 1 | • |
| EXN03-D32-M16-05 | 32 | 17 | 29 | 63 | 40 | 5 | 1 | • |

| Size | Insert | Screw | Wrench |
|---|---|---|---|
| EXN03-D16...02... | LN..0303 | M2.5X7 | T08 |

BRIGHT-TOOLS

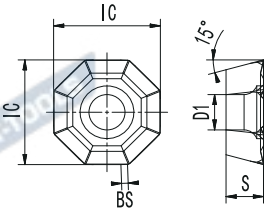
CUTTING TOOLS

# INSERTS

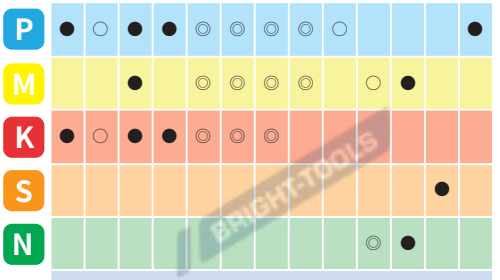
BRIGHT-TOOLS

## OD Inserts
## OD 单面正型 8 刃刀片






● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削



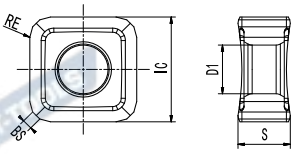

P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

| Size | IC | S | D1 | BS | RE | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ODKT0605ADN | 15.875 | 5.56 | 5.5 | 1.2 | 0.8 | 4 | ★ | | ☆ | ☆ | ★ | ★ | ★ | | | | | | |
| ODMT060508-R | 15.875 | 5.56 | 5.5 | 1.2 | 0.8 | 4 | ★ | | ☆ | ☆ | ★ | ★ | ★ | | | | | | |

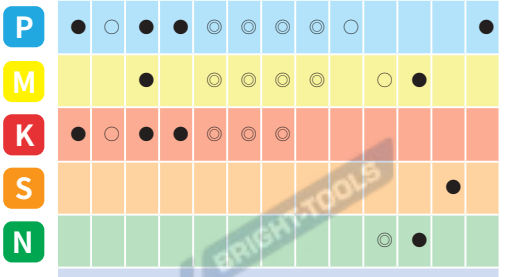
★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

## SN Inserts
## SN 双面加厚的负型 8 刃刀片






● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削



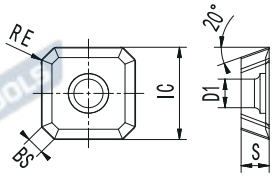

P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

| Size | IC | S | D1 | BS | RE | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SNMU1206ANEN-GM | 12.7 | 6.35 | 5.9 | 1.6 | 0.8 | 4.7 | ★ | ★ | ★ | ☆ | ★ | ★ | ★ | | | | | | |
| SNMU1206ENEN-GM | 12.7 | 6.35 | 5.9 | 1.2 | 0.8 | 4.7 | ★ | | | | | | | | | | | | |

★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

## SE Inserts
## SE 单面正型 4 刃刀片






● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | ● | ○ | ● | ● | ◎ | ◎ | ◎ | ◎ | ○ | | | | | ● |
| M | | | ● | | ◎ | ◎ | ◎ | ◎ | | ○ | ● | | | |
| K | ● | ○ | ● | ● | ◎ | ◎ | ◎ | | | | | | | |
| S | | | | | | | | | | | | ● | | |
| N | | | | | | | | | | ◎ | ● | | | |
| | Tough ↔ Hard | | | | | | | | | | | | | |

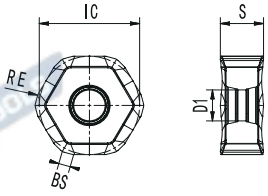
P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

| Size | IC | S | D1 | BS | RE | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEET13T3-GM | 13.4 | 3.97 | 4.1 | 1.4 | 1.5 | 6 | ★ | | ☆ | ☆ | ★ | ★ | ★ | | | | | | |
| SEMT13T3AGTN-FM | 13.4 | 3.97 | 4.1 | 1.4 | 1.5 | 6 | ★ | | ☆ | ☆ | ★ | ★ | ★ | | | | | | |

★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

## HN Inserts
## HN 双面负型 12 刃刀片






● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | ● | ○ | ○ | ● | ◎ | ◎ | ◎ | ◎ | ○ | | | | | ● |
| M | | | | ● | ◎ | ◎ | ◎ | ◎ | | ○ | | ● | | |
| K | ● | ○ | | ● | ◎ | ◎ | | | | | | | | |
| S | | | | | | | | | | | | ● | | |
| N | | | | | | | | | | ○ | ● | | | |
| | Tough ↔ Hard | | | | | | | | | | | | | |

P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

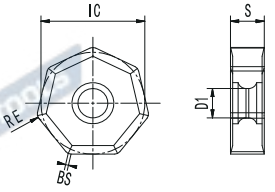
| Size | IC | S | D1 | BS | RE | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HNMX0906ANSN-M | 16.5 | 6.34 | 4.9 | 1.0 | 1.2 | 5 | ★ | | ☆ | ☆ | ★ | ★ | ★ | | | | | | |

★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

CUTTERS

## XN Inserts
## XN 负型 6 刃刀片






● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | ● | ○ | ● | ● | ◎ | ◎ | ◎ | ◎ | ○ | | | | | ● |
| M | | | ● | | ◎ | ◎ | ◎ | ◎ | | ○ | ● | | | |
| K | ● | ○ | ● | ● | ◎ | ◎ | ◎ | | | | | | | |
| S | | | | | | | | | | | | ● | | |
| N | | | | | | | | | | ◎ | ● | | | |
| | Tough ↔ Hard | | | | | | | | | | | | | |

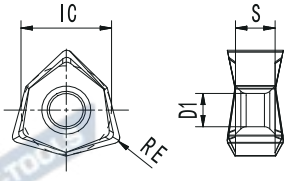
P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

| Size | IC | S | D1 | BS | RE | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| XNMX090612-M | 19.05 | 6.22 | 5.5 | 1.0 | 1.2 | 6 | ★ | | ☆ | ☆ | ★ | ★ | ★ | | | | | | |
| XNGX0906-W | 19.05 | 6.28 | 2.8 | 2.0 | 1.2 | 6 | ★ | | | | ★ | | | | | | | | |

★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

## ZN Inserts
## ZN 负型 6 刃刀片






● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | ● | ○ | ● | ● | ◎ | ◎ | ○ | ◎ | ○ | | | | | ● |
| M | | | ● | | ◎ | ◎ | ○ | ◎ | | ◎ | ◎ | | | |
| K | ● | ○ | ● | ● | ◎ | ◎ | ○ | | | | | | | |
| S | | | | | | | | | | | | ◎ | | |
| N | | | | | | | | | | ◎ | ◎ | | | |
| | Tough ↔ Hard | | | | | | | | | | | | | |

P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

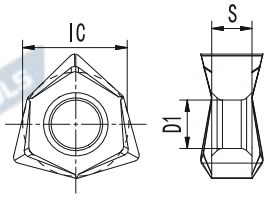
| Size | IC | S | D1 | BS | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZNMU040308PNR-GM | 7.0 | 3.65 | 2.8 | 1.0 | 4.2 | ★ | | ☆ | ☆ | ★ | ★ | ★ | ☆ | | | | | ☆ |
| ZNMU080608PNR-GM | 12.0 | 6.35 | 4.6 | 1.0 | 7.3 | ★ | | ☆ | ☆ | ★ | ★ | ★ | ☆ | | | | | ☆ |
| ZNMU080608PNR-GL | 12.0 | 6.35 | 4.6 | 1.0 | 7.3 | ★ | | ☆ | ☆ | ★ | ★ | ★ | ☆ | | | | | ☆ |
| ZNMU080608PNR-GR | 12.0 | 6.35 | 4.6 | 1.0 | 7.3 | ★ | | ☆ | ☆ | ★ | ★ | ★ | ☆ | | | | | ☆ |
| ZNMU080616PNR-GR | 12.0 | 6.35 | 4.6 | 2.0 | 7.3 | ★ | | ☆ | ☆ | ★ | ★ | ★ | ☆ | | | | | ☆ |

★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

## WN Inserts
## WN 负型 6 刃刀片

● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削






| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | ○ | ○ | ● | ● | ◎ | ◎ | ○ | ◎ | ○ | ○ | ○ | | | | | |
| M | | | ● | ● | ◎ | ◎ | ○ | ◎ | | ○ | ○ | | | | | |
| K | ○ | ○ | ● | ● | ◎ | ◎ | ○ | | | | | | | | | |
| S | | | | | | | | | | | | ◎ | | | | |
| N | | | | | | | | | | | | | | | | |

P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

Tough ↔ Hard

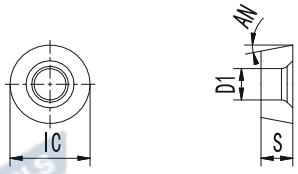
| Size | IC | S | D1 | BS | RE | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WNEU080608EN-GL | 14.02 | 6.65 | 6.2 | 1.5 | 0.8 | ☆ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |
| WNMU080608EM-GM | 14.02 | 6.65 | 6.2 | 1..3 | 0.8 | ☆ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |

★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

## RD Inserts
## RD 圆形刀片

● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削






| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | ○ | ○ | ● | ● | ◎ | ◎ | ○ | ◎ | ○ | ○ | ○ | | | | | |
| M | | | ● | ● | ◎ | ◎ | ○ | ◎ | | ○ | ○ | | | | | |
| K | ○ | ○ | ● | ● | ◎ | ◎ | ○ | | | | | | | | | |
| S | | | | | | | | | | | | ◎ | | | | |
| N | | | | | | | | | | | | | | | | |

P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

Tough ↔ Hard

| Size | IC | S | D1 | AN | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RDMW0602MO | 6 | 2.38 | 2.5 | 15° | 3 | ☆ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |
| RDMW0802MO | 8 | 2.38 | 3.4 | 15° | 4 | ☆ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |
| RDMW10T3MO | 10 | 3.97 | 4.5 | 15° | 5 | ☆ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |
| RDMW1204MO | 12 | 4.76 | 5.5 | 15° | 6 | ☆ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |
| RDMW1605MO | 16 | 5.56 | 5.5 | 15° | 8 | ☆ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |
| RDKW10T3MO | 10 | 3.97 | 4.5 | 15° | 5 | ☆ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |
| RDKW1204MO | 12 | 4.76 | 4.4 | 15° | 6 | ☆ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |
| RDKW1604MO | 16 | 4.76 | 5.5 | 15° | 8 | ☆ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |

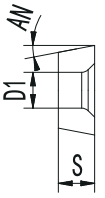
★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

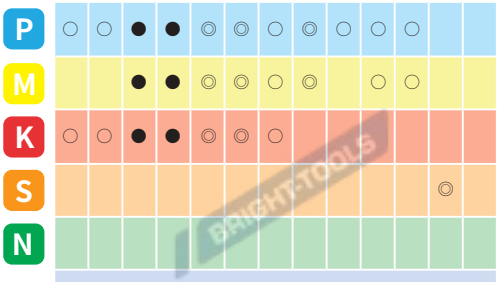
# RP Inserts
# RP 圆形刀片

● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削






P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

Tough ↔ Hard

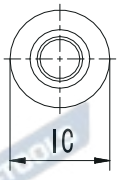
| Size | IC | S | D1 | AN | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RPMT08T2MO-HM | 8.0 | 2.78 | 3.4 | 11° | 4 | ☆ | | ☆ | ★ | ★ | ★ | ☆ | | | | | | |
| RPMW1003MO | 10.0 | 3.18 | 4.5 | 11° | 5 | ☆ | | ☆ | ★ | ★ | ★ | ☆ | | | | | | |
| RPMT1204MO-HM | 12.0 | 4.76 | 4.4 | 11° | 6 | ☆ | | ☆ | ★ | ★ | ★ | ☆ | | | | | | |

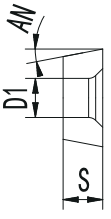
★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

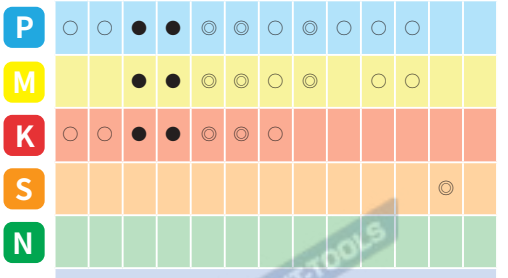
# RP Inserts
# RP 圆形刀片

● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削






P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

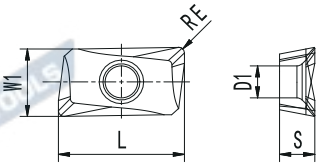
Tough ↔ Hard

| Size | IC | S | D1 | AN | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RPKT10T3MO-MS | 10 | 3.97 | 3.4 | 11° | 5 | | | | | | | | | | ★ | ★ | | |
| RPKT1204MO-MS | 12 | 4.76 | 4.4 | 11° | 6 | | | | | | | | | | ★ | ★ | | |
| RPKT1606MO-MS | 16 | 6.35 | 5.5 | 11° | 8 | | ★ | | | | | | | | ★ | ★ | | |
| RPMT08T2MO-SM | 8 | 2.78 | 3.4 | 11° | 4 | | | | | | | | | | ★ | ★ | | |
| RPMT10T3MO-SM | 10 | 3.97 | 4.4 | 11° | 5 | | | | | | | | | | ★ | ★ | | |
| RPMT1204MO-SM | 12 | 4.76 | 4.4 | 11° | 6 | | | | | | | | | | ★ | ★ | | |
| RPMT1606MO-SM | 16 | 6.35 | 5.5 | 11° | 8 | | ★ | | | | | | | | ★ | ★ | | |

★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

# AP Inserts
# AP 两刃方肩铣刀片






● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削

| | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | ● | ○ | ● | ● | ◎ | ◎ | ○ | ◎ | ○ | ○ | ○ | | |
| M | | | ● | | ◎ | ◎ | ○ | ◎ | | ○ | ○ | | |
| K | ● | ○ | ● | ● | ◎ | ◎ | ○ | | | | | | |
| S | | | | | | | | | | | | ◎ | |
| N | | | | | | | | | | | | | |
| Tough ↔ Hard | | | | | | | | | | | | | |

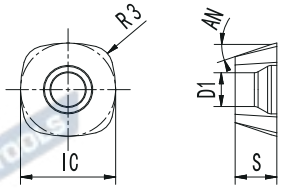
P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

| Size | L | W1 | S | D1 | RE | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APMT1135PDER-HM | 11.30 | 6.25 | 3.50 | 2.80 | 0.80 | 9.5 | ★ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |
| APMT1605PDER-HM | 17.25 | 9.25 | 5.22 | 4.40 | 0.80 | 14.5 | ★ | | ☆ | ★ | ★ | ★ | ★ | ☆ | | | | | |
| APGT1135PDFR-AK | 11.30 | 6.25 | 3.50 | 2.80 | 0.80 | 9.5 | | | | | | | | | | | | ☆ | |
| APGT1604PDFR-AK | 17.25 | 9.25 | 4.76 | 4.40 | 0.80 | 14.5 | | | | | | | | | | | | ☆ | |

★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

# SD Inserts
# SD 正型四刃刀片






● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削

| | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | ○ | ○ | ● | ● | ◎ | ◎ | ○ | ◎ | ○ | ○ | ○ | | |
| M | | | ● | ● | ◎ | ◎ | ○ | ◎ | | ○ | ○ | | |
| K | ○ | ○ | ● | ● | ◎ | ◎ | ○ | | | | | | |
| S | | | | | | | | | | | | ◎ | |
| N | | | | | | | | | | | | | |
| Tough ↔ Hard | | | | | | | | | | | | | |

P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

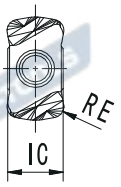
| Size | IC | S | D1 | AN | RE | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SDMT1205ZTN-FM | 12.700 | 5.56 | 4.6 | 15° | 3.0 | 2.3 | ☆ | | ☆ | ☆ | ★ | ★ | ★ | ☆ | | | | | |
| SDMT1505ZTN-FM | 15.875 | 5.56 | 5.5 | 15° | 0.8 | 2.9 | ☆ | | ☆ | ☆ | ★ | ★ | ★ | ☆ | | | | | |
| SDMW1205ZTN | 12.700 | 5.56 | 4.6 | 15° | 3.0 | 2.3 | ☆ | | ☆ | ☆ | ★ | ★ | ★ | ☆ | | | | | |
| SDMW1505ZTN | 15.875 | 5.56 | 5.5 | 15° | 0.8 | 2.9 | ☆ | | ☆ | ☆ | ★ | ★ | ★ | ☆ | | | | | |

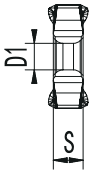
★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

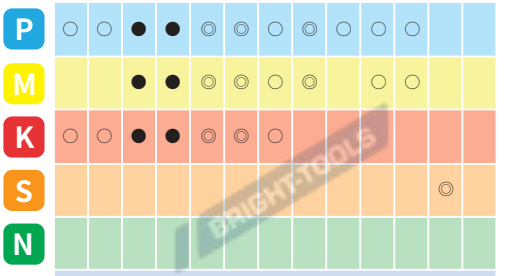
# LN Inserts
# LN 负型 4 刃刀片

● Stable Cut ◎ Normal Cut ○ Unstable Cut
● 稳定切削 ◎ 一般切削 ○ 不稳定切削






P: 钢 M: 不锈钢 K: 铸铁 S: 有色金属 N: 耐热合金、钛合金

| Size | IC | S | D1 | AN | RE | APMX | BT6130 | BT8140 | BT5110 | BT5210 | BT5120 | BT5220 | BT5130 | BT530 | BT7130 | BT7140 | BT7240 | BTK10 | BTC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Tough ↔ Hard | | | | | | | | | | | | |
| LNKU0303ZNR-MH | 6 | 3.67 | 3 | 0° | 1.2 | 1.3 | ☆ | | ☆ | ☆ | ★ | ★ | ★ | ★ | | | | | |
| LNKU0303ZNR-LH | 6 | 3.67 | 3 | 0° | 1.2 | 1.3 | ☆ | | ☆ | ☆ | ★ | ★ | ★ | ★ | | | | | |

★ Rec Size ☆ Opt Size
★ 主推型号 ☆可选型号

BRIGHT-TOOLS

# ACCESSORY

## TOOL HOLDER

BRIGHT-TOOLS

# ACCESSORY
# 附件

Morse Taper ER Collet Chuck.....P.04
莫氏柄ER刀柄
Morse Taper OZ Collet Chuck.....P.06
莫氏柄OZ刀柄
Morse Taper Face Mill Holder .....P.07
莫氏柄面铣刀柄
Morse Taper Combi Shell Mill Holder .....P.08
莫氏柄混合插入式铣刀柄
Morse Taper Tapping Chuck .....P.08
莫氏柄攻丝刀柄
ER Collet Chuck with Mini Nut.....P.09
ER 弹簧夹头刀柄
Straight Shank Tapping Chuck .....P.12
弹性快换攻丝刀柄
ER Collet .....P.13
ER 筒夹
ER Collet Set .....P.18
ER 筒夹套装
ER Collet Chuck Set.....P.19
ER 刀柄套装
Rubber Sealed Collet.....P.22
ER 胶条止水筒夹
ER Sealed Collet .....P.24
ER 刚性止水筒夹
ER Tapping Collet .....P.26
ER 攻丝筒夹
ER Tapping Sealed Collet .....P.27
ER 止水攻丝筒夹
Straight Shank Collet .....P.28
SC 直柄筒夹
Power Milling Chuck Set.....P.29
强力刀柄套装
OZ Collet .....P.30
OZ 筒夹
OZ Collet Chuck Set.....P.32
OZ 刀柄套装
SKS Collet.....P.33
SKS 筒夹
DC Collet.....P.35
DC 后拉筒夹
NDC Collet.....P.36
NDC 后拉筒夹
Tapping Collet.....P.37
攻丝筒夹
BT Pull Stud.....P.42
BT 拉钉
SK Pull Stud .....P.43
SK 拉钉
ISO 7388 Pull Stud ..... P.43
ISO 7388拉钉
CAT Pull Stud .....P.44
CAT 拉钉









# ACCESSORY
# 附件

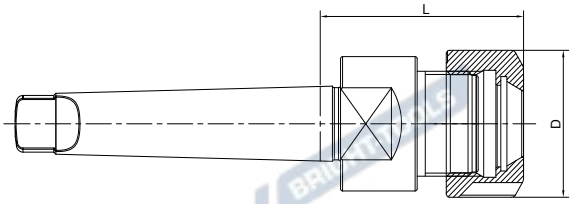
OTT Pull Stud .....P.44
OTT 拉钉
ISO Pull Stud .....P.45
ISO 拉钉
Mazak Pull Stud .....P.45
马扎克拉钉
ER Nut .....P.46
ER 压帽
ER Sealed Nut .....P.48
ERS 止水压帽
Sealing Disc .....P.48
止水垫圈
Sealing Disc Set.....P.49
止水垫圈套装
OZ Nut .....P.50
OZ 压帽
SKS Nut .....P.50
SKS 压帽
ER Spanner .....P.51
ER 扳手
Hook Spanner .....P.53
勾头扳手
Ball Spanner .....P.53
滚珠扳手
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车床刀套（公制）
B Bushing .....P.55
车床刀套B型
J Bushing .....P.56
车床刀套J型
C Bushing .....P.58
车床刀套C型
CV Bushing .....P.60
车床刀套CV型
DD Bushing .....P.61
车床刀套DD型
Z Bushing .....P.63
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Locking Device.....P.65
锁刀座
HSK Coolant Tube .....P.67
HSK 冷却导管
Balluff Data Carrier.....P.67
巴鲁夫数据芯片
Clamping Kit .....P.68
组合压板
Tool Holder Trolley .....P.69
刀具车
Tool Holder Cleaning Device.....P.72
除锈机





## ER Collet Chuck with UM Nut
## ER 弹簧夹头刀柄

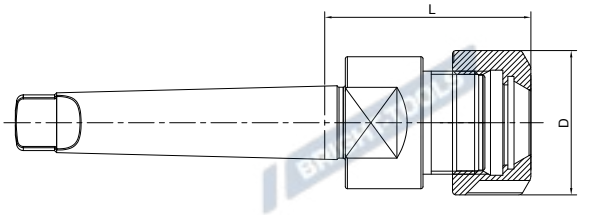





| Size | D | L | Capacity |
|---|---|---|---|
| MTA2-ER25-60 | 42 | 60 | 2-16 |
| MTA2-ER32-60 | 50 | 60 | 2-20 |
| MTA3-ER25-60 | 42 | 60 | 2-16 |
| MTA3-ER32-70 | 50 | 70 | 2-20 |
| MTA3-ER40-80 | 63 | 80 | 3-26 |
| MTA4-ER25-60 | 42 | 60 | 2-16 |
| MTA4-ER32-70 | 50 | 70 | 2-20 |
| MTA4-ER40-80 | 63 | 80 | 3-26 |
| MTA5-ER40-80 | 63 | 80 | 3-26 |

## ER Collet Chuck with Mini Nut
## ER 弹簧夹头刀柄

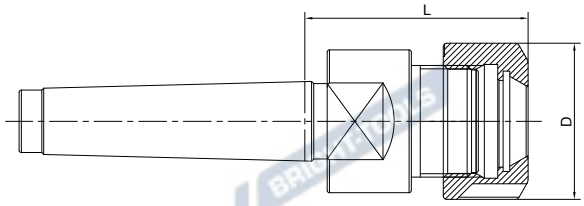





| Size | D | L | Capacity |
|---|---|---|---|
| MTA2-ER16M-50 | 22 | 50 | 1-10 |
| MTA2-ER20M-50 | 28 | 50 | 1-13 |
| MTA3-ER16M-60 | 22 | 60 | 1-10 |
| MTA3-ER20M-60 | 28 | 60 | 1-13 |

# ER Collet Chuck DIN6499
# ER 弹簧夹头刀柄

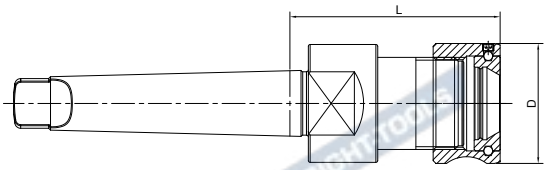





| Size | D | L | Capacity |
|---|---|---|---|
| MTB1-ER11A-30 | 19 | 30 | 1-7 |
| MTB1-ER16A-40 | 28 | 40 | 1-10 |
| | | | |
| MTB2-ER16M-50 | 22 | 50 | 1-10 |
| MTB2-ER20M-50 | 28 | 50 | 1-13 |
| MTB2-ER11A-30 | 19 | 30 | 1-7 |
| MTB2-ER16A-50 | 28 | 50 | 1-10 |
| MTB2-ER20A-50 | 34 | 50 | 1-13 |
| MTB2-ER25-47 | 42 | 47 | 2-16 |
| MTB2-ER32-75 | 50 | 75 | 2-20 |
| MTB2-ER40-80 | 63 | 80 | 3-26 |
| | | | |
| MTB3-ER16M-60 | 22 | 60 | 1-10 |
| MTB3-ER20M-50 | 28 | 50 | 1-13 |
| MTB3-ER16A-50 | 28 | 50 | 1-10 |
| MTB3-ER20A-50 | 36 | 50 | 1-13 |
| MTB3-ER25-56 | 42 | 56 | 2-16 |
| MTB3-ER32-60 | 50 | 60 | 2-20 |
| MTB3-ER40-80 | 63 | 80 | 3-26 |
| | | | |
| MTB4-ER25-60 | 42 | 60 | 2-16 |
| MTB4-ER32-60 | 50 | 60 | 2-20 |
| MTB4-ER40-80 | 63 | 80 | 3-26 |
| MTB4-ER50-80 | 78 | 80 | 6-34 |
| | | | |
| MTB5-ER40-80 | 63 | 80 | 3-26 |
| MTB5-ER50-80 | 78 | 80 | 6-34 |

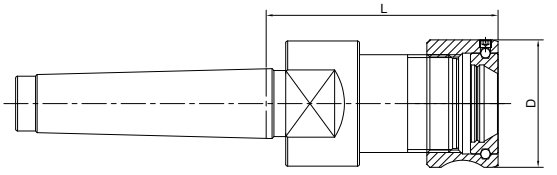
# OZ Collet Chuck DIN6391
# OZ 夹头刀柄






| Size | D | L | Capacity |
|---|---|---|---|
| MTA2-OZ25-70 | 60 | 70 | 3-25 |
| MTA3-OZ25-70 | 60 | 70 | 3-25 |
| MTA4-OZ25-70 | 60 | 70 | 3-25 |

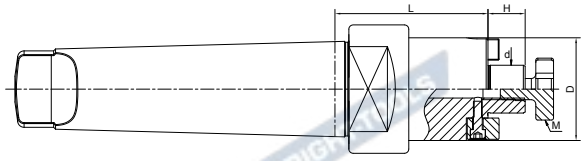





| Size | D | L | Capacity |
|---|---|---|---|
| MTB2-OZ25-70 | 60 | 70 | 3-25 |
| MTB3-OZ25-70 | 60 | 70 | 3-25 |
| MTB4-OZ25-70 | 60 | 70 | 3-25 |
| MTB4-OZ32-80 | 72 | 80 | 6-32 |
| MTB5-OZ25-75 | 60 | 75 | 3-25 |
| MTB5-OZ32-80 | 72 | 80 | 6-32 |

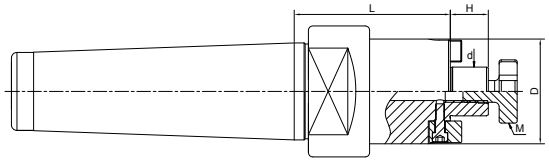
# Face Mill Holder DIN6357
# 面铣刀柄






| Size | d | D | L | H | M |
|---|---|---|---|---|---|
| MTA2-FMB16-30 | 16 | 38 | 30 | 17 | M8 |
| MTA2-FMB22-30 | 22 | 48 | 30 | 19 | M10 |
| MTA2-FMB27-30 | 27 | 58 | 30 | 21 | M12 |
| MTA3-FMB16-30 | 16 | 38 | 30 | 17 | M8 |
| MTA3-FMB22-30 | 22 | 48 | 30 | 19 | M10 |
| MTA3-FMB27-30 | 27 | 58 | 30 | 21 | M12 |
| MTA3-FMB32-30 | 32 | 78 | 30 | 24 | M16 |
| MTA4-FMB16-32 | 16 | 38 | 32 | 17 | M8 |
| MTA4-FMB22-32 | 22 | 48 | 32 | 19 | M10 |
| MTA4-FMB27-32 | 27 | 58 | 32 | 21 | M12 |
| MTA4-FMB32-32 | 32 | 78 | 32 | 24 | M16 |
| MTA4-FMB40-32 | 40 | 88 | 32 | 27 | M20 |

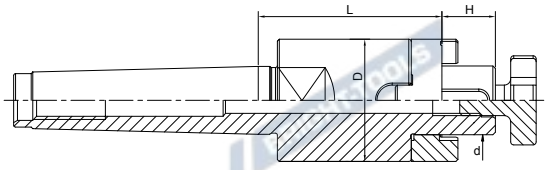





| Size | d | D | L | H | M |
|---|---|---|---|---|---|
| MTB3-FMB16-48 | 16 | 38 | 48 | 17 | M8 |
| MTB3-FMB22-48 | 22 | 48 | 48 | 19 | M10 |
| MTB3-FMB27-48 | 27 | 58 | 48 | 21 | M12 |
| MTB3-FMB32-48 | 32 | 78 | 48 | 24 | M16 |
| MTB3-FMB40-48 | 40 | 88 | 48 | 27 | M20 |
| | | | | | |
| MTB4-FMB22-55 | 22 | 48 | 55 | 19 | M10 |
| MTB4-FMB27-55 | 27 | 58 | 55 | 21 | M12 |
| MTB4-FMB32-55 | 32 | 78 | 55 | 24 | M16 |
| MTB4-FMB40-55 | 40 | 88 | 55 | 27 | M20 |

## Combi Shell Mill Holder DIN6358
## 混合插入式铣刀柄

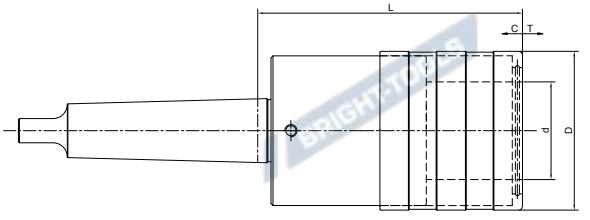





| Size | d | D | H | L |
|---|---|---|---|---|
| MTB2-SEMC16-48 | 16 | 32 | 17 | 48 |
| MTB2-SEMC22-48 | 22 | 40 | 19 | 48 |
| MTB2-SEMC27-55 | 27 | 48 | 21 | 55 |
| MTB2-SEMC32-55 | 32 | 58 | 24 | 55 |
| | | | | |
| MTB3-SEMC16-48 | 16 | 32 | 17 | 48 |
| MTB3-SEMC22-50 | 22 | 40 | 19 | 50 |
| MTB3-SEMC27-55 | 27 | 48 | 21 | 55 |
| MTB3-SEMC32-55 | 32 | 58 | 24 | 55 |
| | | | | |
| MTB4-SEMC16-55 | 16 | 32 | 17 | 55 |
| MTB4-SEMC22-55 | 22 | 40 | 19 | 55 |
| MTB4-SEMC27-55 | 27 | 48 | 21 | 55 |
| MTB4-SEMC32-55 | 32 | 58 | 24 | 55 |

## Quick Change Tapping Chuck with Length Compensation
## 弹性快换攻丝刀柄

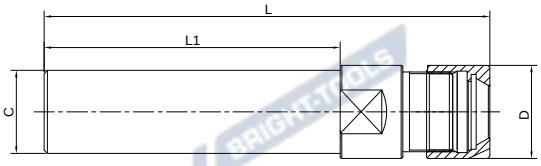





| Size | D | d | L | T | C |
|---|---|---|---|---|---|
| MTA2-TC312-46 | 36 | 19 | 46 | 7.5 | 7.5 |
| MTA3-TC312-46 | 36 | 19 | 46 | 7.5 | 7.5 |
| MTA3-TC820-68 | 53 | 31 | 68 | 12.5 | 12.5 |
| MTA4-TC820-70 | 35 | 31 | 70 | 12.5 | 12.5 |
| MTA4-TC1433-108 | 78 | 48 | 108 | 22 | 22 |
| MTA5-TC1433-103 | 78 | 48 | 103 | 22 | 22 |

# ER Collet Chuck with Mini Nut DIN6499
# ER 弹簧夹头刀柄






## Metric

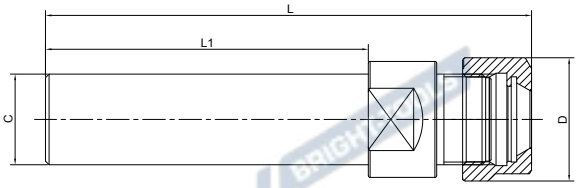
| Size | C | D | L1 | L |
|---|---|---|---|---|
| C8-ER8M-100 | 08 | 12 | 100 | 124.5 |
| C10-ER8M-100 | 10 | 12 | 100 | 124.5 |
| C10-ER8M-150 | 10 | 12 | 150 | 174.5 |
| C12-ER11M-100 | 12 | 16 | 100 | 125 |
| C16-ER11M-100 | 16 | 16 | 100 | 125 |
| C16-ER11M-150 | 16 | 16 | 150 | 175 |
| C16-ER16M-100 | 16 | 22 | 100 | 131 |
| C16-ER16M-150 | 16 | 22 | 150 | 181 |
| C20-ER16M-100 | 20 | 22 | 100 | 131 |
| C20-ER16M-150 | 20 | 22 | 150 | 181 |
| C20-ER20M-100 | 20 | 28 | 100 | 137 |
| C20-ER20M-150 | 20 | 28 | 150 | 187 |
| C25-ER16M-100 | 25 | 22 | 100 | 131 |
| C25-ER16M-150 | 25 | 22 | 150 | 181 |
| C25-ER20M-100 | 25 | 28 | 100 | 137 |
| C25-ER20M-150 | 25 | 28 | 150 | 187 |

## Inch

| Size | C | D | L1 | L |
|---|---|---|---|---|
| C1/2"-ER11M-4.0" | 1/2" | 16 | 4" | 126.6 |
| C1/2"-ER11M-6.0" | 1/2" | 16 | 6" | 177.4 |
| C1/2"-ER16M-4.0" | 1/2" | 22 | 4" | 132.6 |
| C1/2"-ER16M-6.0" | 1/2" | 22 | 6" | 183.4 |

# ER Collet Chuck with Hex Nut DIN6499
# ER 弹簧夹头刀柄






## Metric

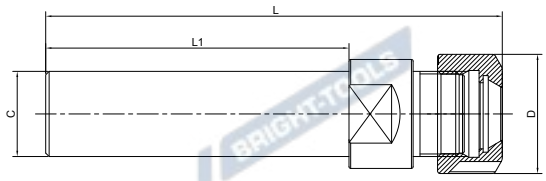
| Size | C | D | L1 | L |
|---|---|---|---|---|
| C10-ER8A-100 | 10 | 13.3 | 100 | 124.5 |
| C10-ER11A-100 | 10 | 19 | 100 | 124 |
| | | | | |
| C12-ER8A-100 | 12 | 13.3 | 100 | 124.5 |
| C12-ER11A-100 | 12 | 19 | 100 | 124 |
| | | | | |
| C16-ER11A-50 | 16 | 19 | 50 | 74 |
| C16-ER11A-100 | 16 | 19 | 100 | 124 |
| C16A-ER16A-100 | 16 | 28 | 100 | 131 |
| C16A-ER16A-150 | 16 | 28 | 150 | 181 |
| | | | | |
| C20-ER16A-100 | 20 | 28 | 100 | 131 |
| C20-ER16A-150 | 20 | 28 | 150 | 181 |
| C20-ER20A-100 | 20 | 34 | 100 | 136.5 |
| C20-ER20A-150 | 20 | 34 | 150 | 186.5 |
| | | | | |
| C25-ER16A-100 | 25 | 28 | 100 | 136.5 |
| C25-ER16A-150 | 25 | 28 | 150 | 186.5 |
| C25-ER20A-100 | 25 | 34 | 100 | 136.5 |
| C25-ER20A-150 | 25 | 34 | 150 | 186.5 |

## Inch

| Size | C | D | L1 | L |
|---|---|---|---|---|
| C1/2"-ER11A-3.5" | 1/2" | 19 | 3.5" | 112.9 |
| C1/2"-ER11A-6" | 1/2" | 19 | 6" | 176.4 |
| C3/4"-ER16A-4" | 3/4" | 28 | 4" | 132.6 |
| C3/4"-ER16A-6" | 3/4" | 28 | 6" | 183.4 |
| C3/4"-ER20A-4" | 3/4" | 34 | 4" | 138.6 |
| C3/4"-ER20A-6" | 3/4" | 34 | 6" | 189.4 |

# ER Collet Chuck with UM Nut DIN6499
# ER 弹簧夹头刀柄






## Metric

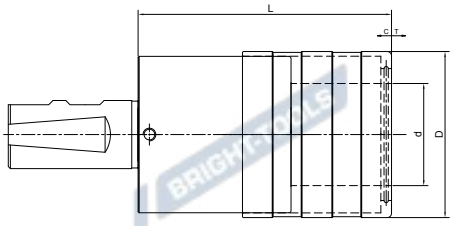
| Size | C | D | L1 | L |
|---|---|---|---|---|
| C20-ER25UM-100 | 20 | 42 | 100 | 144 |
| C25-ER25UM-100 | 25 | 42 | 100 | 144 |
| C25-ER25UM-150 | 25 | 42 | 150 | 194 |
| C25-ER25UM-200 | 25 | 42 | 200 | 244 |
| C25-ER32UM-100 | 25 | 50 | 100 | 148 |
| | | | | |
| C32-ER25UM-100 | 32 | 42 | 100 | 144 |
| C32-ER25UM-150 | 32 | 42 | 150 | 194 |
| C32-ER32UM-100 | 32 | 50 | 100 | 148 |
| C32-ER32UM-150 | 32 | 50 | 150 | 198 |
| C32-ER32UM-200 | 32 | 50 | 200 | 248 |
| C32-ER40UM-100 | 32 | 63 | 100 | 151 |
| | | | | |
| C40-ER32UM-100 | 40 | 50 | 100 | 148 |
| C40-ER40UM-100 | 40 | 63 | 100 | 151 |
| C40-ER40UM-150 | 40 | 63 | 150 | 201 |

## Inch

| Size | C | D | L1 | L |
|---|---|---|---|---|
| C3/4"-ER25-4" | 3/4" | 42 | 4" | 145.6 |
| C1"-ER25-6" | 1" | 42 | 6" | 196.4 |
| C1"-ER32-4" | 1" | 50 | 4" | 149.6 |
| C1-1/4"-ER32-6" | 1-1/4" | 50 | 6" | 200.4 |

# Quick Change Tapping Chuck with Length Compensation
# 弹性快换攻丝刀柄

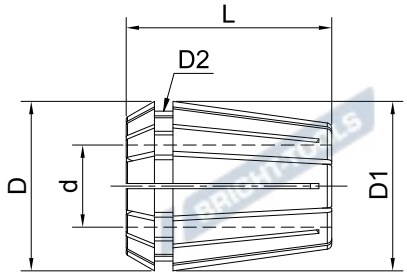





| Size | L | D | d | T | C |
|---|---|---|---|---|---|
| SLAB20-TC312-41 | 41 | 36 | 19 | 7.5 | 7.5 |
| | | | | | |
| SLAB25-TC312-41 | 41 | 36 | 19 | 7.5 | 7.5 |
| SLAB25-TC820-63 | 63 | 53 | 31 | 12.5 | 12.5 |
| | | | | | |
| SLAB32-TC312-41 | 41 | 36 | 19 | 7.5 | 7.5 |
| SLAB32-TC820-63 | 63 | 53 | 31 | 12.5 | 12.5 |
| SLAB32-TC1433-97 | 97 | 78 | 48 | 22 | 22 |
| | | | | | |
| SLAB40-TC312-41 | 41 | 36 | 19 | 7.5 | 7.5 |
| SLAB40-TC820-63 | 63 | 53 | 31 | 12.5 | 12.5 |
| SLAB40-TC1433-97 | 97 | 78 | 48 | 22 | 22 |

# ER Collet
# ER 弹簧夹头





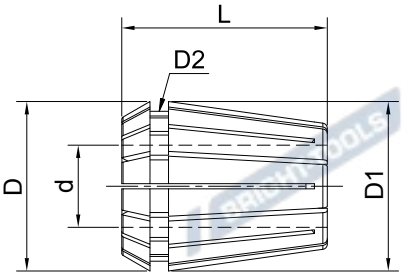

Metric

| Size | d | D1 | D | D2 | L |
|---|---|---|---|---|---|
| ER8-01 | 1-0.5 | 8 | 8.45 | 6.5 | 13.5 |
| ER8-01.5 | 1.5-1 | 8 | 8.45 | 6.5 | 13.5 |
| ER8-02 | 2-1.5 | 8 | 8.45 | 6.5 | 13.5 |
| ER8-02.5 | 2.5-2 | 8 | 8.45 | 6.5 | 13.5 |
| ER8-03 | 3-2.5 | 8 | 8.45 | 6.5 | 13.5 |
| ER8-03.5 | 3.5-3 | 8 | 8.45 | 6.5 | 13.5 |
| ER8-04 | 4-3.5 | 8 | 8.45 | 6.5 | 13.5 |
| ER8-04.5 | 4.5-4 | 8 | 8.45 | 6.5 | 13.5 |
| ER8-05 | 5-4.5 | 8 | 8.45 | 6.5 | 13.5 |
| ER11-01 | 1-0.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-01.5 | 1.5-1 | 11 | 11.5 | 9.5 | 18 |
| ER11-02 | 2-1.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-02.5 | 2.5-2 | 11 | 11.5 | 9.5 | 18 |
| ER11-03 | 3-2.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-03.5 | 3.5-3 | 11 | 11.5 | 9.5 | 18 |
| ER11-04 | 4-3.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-04.5 | 4.5-4 | 11 | 11.5 | 9.5 | 18 |
| ER11-05 | 5-4.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-05.5 | 5.5-5 | 11 | 11.5 | 9.5 | 18 |
| ER11-06 | 6-5.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-06.5 | 6.5-6 | 11 | 11.5 | 9.5 | 18 |
| ER11-07 | 7-6.5 | 11 | 11.5 | 9.5 | 18 |
| ER16-01 | 1-0.5 | 16 | 17 | 13.8 | 27.5 |
| ER16-02 | 2-1 | 16 | 17 | 13.8 | 27.5 |
| ER16-03 | 3-2 | 16 | 17 | 13.8 | 27.5 |
| ER16-04 | 4-3 | 16 | 17 | 13.8 | 27.5 |
| ER16-05 | 5-4 | 16 | 17 | 13.8 | 27.5 |
| ER16-06 | 6-5 | 16 | 17 | 13.8 | 27.5 |
| ER16-07 | 7-6 | 16 | 17 | 13.8 | 27.5 |
| ER16-08 | 8-7 | 16 | 17 | 13.8 | 27.5 |
| ER16-09 | 9-8 | 16 | 17 | 13.8 | 27.5 |
| ER16-10 | 10-9 | 16 | 17 | 13.8 | 27.5 |

| Size | d | D1 | D | D2 | L |
|---|---|---|---|---|---|
| ER20-01 | 1-0.5 | 20 | 21 | 17.4 | 31.5 |
| ER20-02 | 2-1 | 20 | 21 | 17.4 | 31.5 |
| ER20-03 | 3-2 | 20 | 21 | 17.4 | 31.5 |
| ER20-04 | 4-3 | 20 | 21 | 17.4 | 31.5 |
| ER20-05 | 5-4 | 20 | 21 | 17.4 | 31.5 |
| ER20-06 | 6-5 | 20 | 21 | 17.4 | 31.5 |
| ER20-07 | 7-6 | 20 | 21 | 17.4 | 31.5 |
| ER20-08 | 8-7 | 20 | 21 | 17.4 | 31.5 |
| ER20-09 | 9-8 | 20 | 21 | 17.4 | 31.5 |
| ER20-10 | 10-9 | 20 | 21 | 17.4 | 31.5 |
| ER20-11 | 11-10 | 20 | 21 | 17.4 | 31.5 |
| ER20-12 | 12-11 | 20 | 21 | 17.4 | 31.5 |
| ER20-13 | 13-12 | 20 | 21 | 17.4 | 31.5 |
| ER25-01 | 1-0.5 | 25 | 26 | 22 | 34 |
| ER25-02 | 2-1 | 25 | 26 | 22 | 34 |
| ER25-03 | 3-2 | 25 | 26 | 22 | 34 |
| ER25-04 | 4-3 | 25 | 26 | 22 | 34 |
| ER25-05 | 5-4 | 25 | 26 | 22 | 34 |
| ER25-06 | 6-5 | 25 | 26 | 22 | 34 |
| ER25-07 | 7-6 | 25 | 26 | 22 | 34 |
| ER25-08 | 8-7 | 25 | 26 | 22 | 34 |
| ER25-09 | 9-8 | 25 | 26 | 22 | 34 |
| ER25-10 | 10-9 | 25 | 26 | 22 | 34 |
| ER25-11 | 11-10 | 25 | 26 | 22 | 34 |
| ER25-12 | 12-11 | 25 | 26 | 22 | 34 |
| ER25-13 | 13-12 | 25 | 26 | 22 | 34 |
| ER25-14 | 14-13 | 25 | 26 | 22 | 34 |
| ER25-15 | 15-14 | 25 | 26 | 22 | 34 |
| ER25-16 | 16-15 | 25 | 26 | 22 | 34 |

# ER Collet
# ER 弹簧夹头





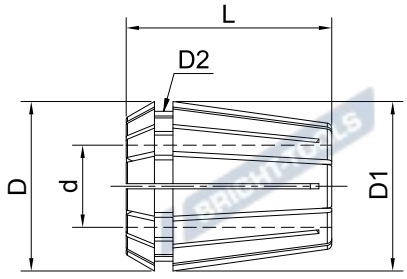

Metric

| Size | d | D1 | D | D2 | L |
|---|---|---|---|---|---|
| ER32-02 | 2-1 | 32 | 33 | 29.2 | 40 |
| ER32-03 | 3-2 | 32 | 33 | 29.2 | 40 |
| ER32-04 | 4-3 | 32 | 33 | 29.2 | 40 |
| ER32-05 | 5-4 | 32 | 33 | 29.2 | 40 |
| ER32-06 | 6-5 | 32 | 33 | 29.2 | 40 |
| ER32-07 | 7-6 | 32 | 33 | 29.2 | 40 |
| ER32-08 | 8-7 | 32 | 33 | 29.2 | 40 |
| ER32-09 | 9-8 | 32 | 33 | 29.2 | 40 |
| ER32-10 | 10-9 | 32 | 33 | 29.2 | 40 |
| ER32-11 | 11-10 | 32 | 33 | 29.2 | 40 |
| ER32-12 | 12-11 | 32 | 33 | 29.2 | 40 |
| ER32-13 | 13-12 | 32 | 33 | 29.2 | 40 |
| ER32-14 | 14-13 | 32 | 33 | 29.2 | 40 |
| ER32-15 | 15-14 | 32 | 33 | 29.2 | 40 |
| ER32-16 | 16-15 | 32 | 33 | 29.2 | 40 |
| ER32-17 | 17-16 | 32 | 33 | 29.2 | 40 |
| ER32-18 | 18-17 | 32 | 33 | 29.2 | 40 |
| ER32-19 | 19-18 | 32 | 33 | 29.2 | 40 |
| ER32-20 | 20-19 | 32 | 33 | 29.2 | 40 |
| ER40-03 | 3-2 | 40 | 41 | 36.2 | 46 |
| ER40-04 | 4-3 | 40 | 41 | 36.2 | 46 |
| ER40-05 | 5-4 | 40 | 41 | 36.2 | 46 |
| ER40-06 | 6-5 | 40 | 41 | 36.2 | 46 |
| ER40-07 | 7-6 | 40 | 41 | 36.2 | 46 |
| ER40-08 | 8-7 | 40 | 41 | 36.2 | 46 |
| ER40-09 | 9-8 | 40 | 41 | 36.2 | 46 |
| ER40-10 | 10-9 | 40 | 41 | 36.2 | 46 |
| ER40-11 | 11-10 | 40 | 41 | 36.2 | 46 |
| ER40-12 | 12-11 | 40 | 41 | 36.2 | 46 |
| ER40-13 | 13-12 | 40 | 41 | 36.2 | 46 |

| Size | d | D1 | D | D2 | L |
|---|---|---|---|---|---|
| ER40-14 | 14-13 | 41 | 40 | 36.2 | 46 |
| ER40-15 | 15-14 | 41 | 40 | 36.2 | 46 |
| ER40-16 | 16-15 | 41 | 40 | 36.2 | 46 |
| ER40-17 | 17-16 | 41 | 40 | 36.2 | 46 |
| ER40-18 | 18-17 | 41 | 40 | 36.2 | 46 |
| ER40-19 | 19-18 | 41 | 40 | 36.2 | 46 |
| ER40-20 | 20-19 | 41 | 40 | 36.2 | 46 |
| ER40-21 | 21-20 | 41 | 40 | 36.2 | 46 |
| ER40-22 | 22-21 | 41 | 40 | 36.2 | 46 |
| ER40-23 | 23-22 | 41 | 40 | 36.2 | 46 |
| ER40-24 | 24-23 | 41 | 40 | 36.2 | 46 |
| ER40-25 | 25-24 | 41 | 40 | 36.2 | 46 |
| ER40-26 | 26-25 | 41 | 40 | 36.2 | 46 |
| ER50-06 | 6-4 | 52 | 50 | 46 | 60 |
| ER50-08 | 8-6 | 52 | 50 | 46 | 60 |
| ER50-10 | 10-8 | 52 | 50 | 46 | 60 |
| ER50-12 | 12-10 | 52 | 50 | 46 | 60 |
| ER50-14 | 14-12 | 52 | 50 | 46 | 60 |
| ER50-16 | 16-14 | 52 | 50 | 46 | 60 |
| ER50-18 | 18-16 | 52 | 50 | 46 | 60 |
| ER50-20 | 20-18 | 52 | 50 | 46 | 60 |
| ER50-22 | 22-20 | 52 | 50 | 46 | 60 |
| ER50-24 | 24-22 | 52 | 50 | 46 | 60 |
| ER50-26 | 26-24 | 52 | 50 | 46 | 60 |
| ER50-28 | 28-26 | 52 | 50 | 46 | 60 |
| ER50-30 | 30-28 | 52 | 50 | 46 | 60 |
| ER50-32 | 32-30 | 52 | 50 | 46 | 60 |
| ER50-34 | 34-32 | 52 | 50 | 46 | 60 |

# ER Collet
# ER 弹簧夹头





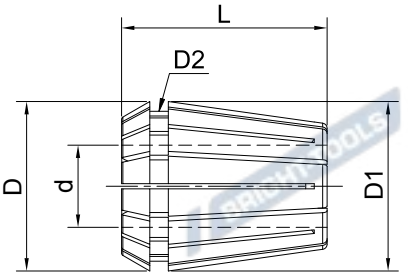

Metric

| Size | d | D1 | D | D2 | L |
|---|---|---|---|---|---|
| ER11-3/64" | 3/64 | 11 | 11.5 | 9.5 | 18 |
| ER11-1/16" | 1/16 | 11 | 11.5 | 9.5 | 18 |
| ER11-5/64" | 5/64 | 11 | 11.5 | 9.5 | 18 |
| ER11-3/32" | 3/32 | 11 | 11.5 | 9.5 | 18 |
| ER11-7/64" | 7/64 | 11 | 11.5 | 9.5 | 18 |
| ER11-1/8" | 1/8 | 11 | 11.5 | 9.5 | 18 |
| ER11-9/64" | 9/64 | 11 | 11.5 | 9.5 | 18 |
| ER11-5/32" | 5/32 | 11 | 11.5 | 9.5 | 18 |
| ER11-11/64" | 11/64 | 11 | 11.5 | 9.5 | 18 |
| ER11-3/16" | 3/16 | 11 | 11.5 | 9.5 | 18 |
| ER11-13/64" | 13/64 | 11 | 11.5 | 9.5 | 18 |
| ER11-7/32" | 7/32 | 11 | 11.5 | 9.5 | 18 |
| ER11-15/64" | 15/64 | 11 | 11.5 | 9.5 | 18 |
| ER11-1/4" | 1/4 | 11 | 11.5 | 9.5 | 18 |
| ER11-17/64" | 17/64 | 11 | 11.5 | 9.5 | 18 |
| ER16-3/64" | 3/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-1/16" | 1/16 | 16 | 17 | 13.8 | 27.5 |
| ER16-5/64" | 5/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-3/32" | 3/32 | 16 | 17 | 13.8 | 27.5 |
| ER16-7/64" | 7/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-1/8" | 1/8 | 16 | 17 | 13.8 | 27.5 |
| ER16-9/64" | 9/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-5/32" | 5/32 | 16 | 17 | 13.8 | 27.5 |
| ER16-11/64" | 11/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-3/16" | 3/16 | 16 | 17 | 13.8 | 27.5 |
| ER16-13/64" | 13/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-7/32" | 7/32 | 16 | 17 | 13.8 | 27.5 |
| ER16-15/64" | 15/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-1/4" | 1/4 | 16 | 17 | 13.8 | 27.5 |
| ER16-17/64" | 17/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-9/32" | 9/32 | 16 | 17 | 13.8 | 27.5 |
| ER16-19/64" | 19/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-5/16" | 5/16 | 16 | 17 | 13.8 | 27.5 |
| ER16-21/64" | 21/64 | 16 | 17 | 13.8 | 27.5 |

| Size | d | D1 | D | D2 | L |
|---|---|---|---|---|---|
| ER16-11/32" | 11/32 | 16 | 17 | 13.8 | 27.5 |
| ER16-23/64" | 23/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-3/8" | 3/8 | 16 | 17 | 13.8 | 27.5 |
| ER20-3/64" | 3/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-1/16" | 1/16 | 20 | 21 | 17.4 | 31.5 |
| ER20-5/64" | 5/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-3/32" | 3/32 | 20 | 21 | 17.4 | 31.5 |
| ER20-7/64" | 7/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-1/8" | 1/8 | 20 | 21 | 17.4 | 31.5 |
| ER20-9/64" | 9/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-5/32" | 5/32 | 20 | 21 | 17.4 | 31.5 |
| ER20-11/64" | 11/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-3/16" | 3/16 | 20 | 21 | 17.4 | 31.5 |
| ER20-13/64" | 13/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-7/32" | 7/32 | 20 | 21 | 17.4 | 31.5 |
| ER20-15/64" | 15/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-1/4" | 1/4 | 20 | 21 | 17.4 | 31.5 |
| ER20-17/64" | 17/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-9/32" | 9/32 | 20 | 21 | 17.4 | 31.5 |
| ER20-19/64" | 19/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-5/16" | 5/16 | 20 | 21 | 17.4 | 31.5 |
| ER20-21/64" | 21/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-11/32" | 11/32 | 20 | 21 | 17.4 | 31.5 |
| ER20-23/64" | 23/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-3/8" | 3/8 | 20 | 21 | 17.4 | 31.5 |
| ER20-25/64" | 25/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-13/32" | 13/32 | 20 | 21 | 17.4 | 31.5 |
| ER20-27/64" | 27/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-7/16" | 7/16 | 20 | 21 | 17.4 | 31.5 |
| ER20-29/64" | 29/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-15/32" | 15/32 | 20 | 21 | 17.4 | 31.5 |
| ER20-31/64" | 31/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-1/2" | 1/2 | 20 | 21 | 17.4 | 31.5 |
| ER20-33/64" | 33/64 | 20 | 21 | 17.4 | 31.5 |

# ER Collet
# ER 弹簧夹头





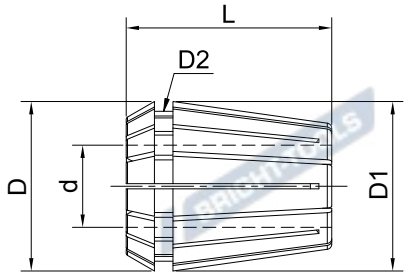

Metric

| Size | d | D1 | D | D2 | L |
|---|---|---|---|---|---|
| ER25-3/64" | 3/64 | 25 | 26 | 22 | 34 |
| ER25-1/16" | 1/16 | 25 | 26 | 22 | 34 |
| ER25-5/64" | 5/64 | 25 | 26 | 22 | 34 |
| ER25-3/32" | 3/32 | 25 | 26 | 22 | 34 |
| ER25-7/64" | 7/64 | 25 | 26 | 22 | 34 |
| ER25-1/8" | 1/8 | 25 | 26 | 22 | 34 |
| ER25-9/64" | 9/64 | 25 | 26 | 22 | 34 |
| ER25-5/32" | 5/32 | 25 | 26 | 22 | 34 |
| ER25-11/64" | 11/64 | 25 | 26 | 22 | 34 |
| ER25-3/16" | 3/16 | 25 | 26 | 22 | 34 |
| ER25-13/64" | 13/64 | 25 | 26 | 22 | 34 |
| ER25-7/32" | 7/32 | 25 | 26 | 22 | 34 |
| ER25-15/64" | 15/64 | 25 | 26 | 22 | 34 |
| ER25-1/4" | 1/4 | 25 | 26 | 22 | 34 |
| ER25-17/64" | 17/64 | 25 | 26 | 22 | 34 |
| ER25-9/32" | 9/32 | 25 | 26 | 22 | 34 |
| ER25-19/64" | 19/64 | 25 | 26 | 22 | 34 |
| ER25-5/16" | 5/16 | 25 | 26 | 22 | 34 |
| ER25-21/64" | 21/64 | 25 | 26 | 22 | 34 |
| ER25-11/32" | 11/32 | 25 | 26 | 22 | 34 |
| ER25-23/64" | 23/64 | 25 | 26 | 22 | 34 |
| ER25-3/8" | 3/8 | 25 | 26 | 22 | 34 |
| ER25-25/64" | 25/64 | 25 | 26 | 22 | 34 |
| ER25-13/32" | 13/32 | 25 | 26 | 22 | 34 |
| ER25-27/64" | 27/64 | 25 | 26 | 22 | 34 |
| ER25-7/16" | 7/16 | 25 | 26 | 22 | 34 |
| ER25-29/64" | 29/64 | 25 | 26 | 22 | 34 |
| ER25-15/32" | 15/32 | 25 | 26 | 22 | 34 |
| ER25-31/64" | 31/64 | 25 | 26 | 22 | 34 |
| ER25-1/2" | 1/2 | 25 | 26 | 22 | 34 |
| ER25-33/64" | 33/64 | 25 | 26 | 22 | 34 |
| ER25-17/32" | 17/32 | 25 | 26 | 22 | 34 |
| ER25-35/64" | 35/64 | 25 | 26 | 22 | 34 |
| ER25-9/16" | 9/16 | 25 | 26 | 22 | 34 |
| ER25-37/64" | 37/64 | 25 | 26 | 22 | 34 |

| Size | d | D1 | D | D2 | L |
|---|---|---|---|---|---|
| ER25-19/32" | 19/32 | 25 | 26 | 22 | 34 |
| ER25-39/64" | 39/64 | 25 | 26 | 22 | 34 |
| ER25-5/8" | 5/8 | 25 | 26 | 22 | 34 |
| | | | | | |
| ER32-1/16" | 1/16 | 32 | 33 | 29.2 | 40 |
| ER32-3/32" | 3/32 | 32 | 33 | 29.2 | 40 |
| ER32-1/8" | 1/8 | 32 | 33 | 29.2 | 40 |
| ER32-5/32" | 5/32 | 32 | 33 | 29.2 | 40 |
| ER32-3/16" | 3/16 | 32 | 33 | 29.2 | 40 |
| ER32-7/32" | 7/32 | 32 | 33 | 29.2 | 40 |
| ER32-1/4" | 1/4 | 32 | 33 | 29.2 | 40 |
| ER32-9/32" | 9/32 | 32 | 33 | 29.2 | 40 |
| ER32-5/16" | 5/16 | 32 | 33 | 29.2 | 40 |
| ER32-11/32" | 11/32 | 32 | 33 | 29.2 | 40 |
| ER32-3/8" | 3/8 | 32 | 33 | 29.2 | 40 |
| ER32-13/32" | 13/32 | 32 | 33 | 29.2 | 40 |
| ER32-7/16" | 7/16 | 32 | 33 | 29.2 | 40 |
| ER32-15/32" | 15/32 | 32 | 33 | 29.2 | 40 |
| ER32-1/2" | 1/2 | 32 | 33 | 29.2 | 40 |
| ER32-17/32" | 17/32 | 32 | 33 | 29.2 | 40 |
| ER32-9/16" | 9/16 | 32 | 33 | 29.2 | 40 |
| ER32-19/32" | 19/32 | 32 | 33 | 29.2 | 40 |
| ER32-5/8" | 5/8 | 32 | 33 | 29.2 | 40 |
| ER32-21/32" | 21/32 | 32 | 33 | 29.2 | 40 |
| ER32-11/16" | 11/16 | 32 | 33 | 29.2 | 40 |
| ER32-23/32" | 23/32 | 32 | 33 | 29.2 | 40 |
| ER32-3/4" | 3/4 | 32 | 33 | 29.2 | 40 |
| ER32-25/32" | 25/32 | 32 | 33 | 29.2 | 40 |

# ER Collet
# ER 弹簧夹头






Metric

| Size | d | D1 | D | D2 | L |
|---|---|---|---|---|---|
| ER40-1/8" | 1/8 | 40 | 41 | 36.2 | 46 |
| ER40-5/32" | 5/32 | 40 | 41 | 36.2 | 46 |
| ER40-3/16" | 3/16 | 40 | 41 | 36.2 | 46 |
| ER40-7/32" | 7/32 | 40 | 41 | 36.2 | 46 |
| ER40-1/4" | 1/4 | 40 | 41 | 36.2 | 46 |
| ER40-9/32" | 9/32 | 40 | 41 | 36.2 | 46 |
| ER40-5/16" | 5/16 | 40 | 41 | 36.2 | 46 |
| ER40-11/32" | 11/32 | 40 | 41 | 36.2 | 46 |
| ER40-3/8" | 3/8 | 40 | 41 | 36.2 | 46 |
| ER40-13/32" | 13/32 | 40 | 41 | 36.2 | 46 |
| ER40-7/16" | 7/16 | 40 | 41 | 36.2 | 46 |
| ER40-15/32" | 15/32 | 40 | 41 | 36.2 | 46 |
| ER40-1/2" | 1/2 | 40 | 41 | 36.2 | 46 |
| ER40-17/32" | 17/32 | 40 | 41 | 36.2 | 46 |
| ER40-9/16" | 9/16 | 40 | 41 | 36.2 | 46 |
| ER40-19/32" | 19/32 | 40 | 41 | 36.2 | 46 |
| ER40-5/8" | 5/8 | 40 | 41 | 36.2 | 46 |
| ER40-21/32" | 21/32 | 40 | 41 | 36.2 | 46 |
| ER40-11/16" | 11/16 | 40 | 41 | 36.2 | 46 |
| ER40-23/32" | 23/32 | 40 | 41 | 36.2 | 46 |
| ER40-3/4" | 3/4 | 40 | 41 | 36.2 | 46 |
| ER40-25/32' | 25/32 | 40 | 41 | 36.2 | 46 |
| ER40-13/16" | 13/16 | 40 | 41 | 36.2 | 46 |
| ER40-27/32" | 27/32 | 40 | 41 | 36.2 | 46 |
| ER40-7/8" | 7/8 | 40 | 41 | 36.2 | 46 |
| ER40-29/32" | 29/32 | 40 | 41 | 36.2 | 46 |
| ER40-15/16" | 15/16 | 40 | 41 | 36.2 | 46 |
| ER40-31/32" | 31/32 | 40 | 41 | 36.2 | 46 |

| Size | d | D1 | D | D2 | L |
|---|---|---|---|---|---|
| ER50-1/4" | 1/4 | 50 | 52 | 46 | 60 |
| ER50-9/32" | 9/32 | 50 | 52 | 46 | 60 |
| ER50-5/16" | 5/16 | 50 | 52 | 46 | 60 |
| ER50-11/32" | 11/32 | 50 | 52 | 46 | 60 |
| ER50-3/8" | 3/8 | 50 | 52 | 46 | 60 |
| ER50-13/32" | 13/32 | 50 | 52 | 46 | 60 |
| ER50-7/16" | 7/16 | 50 | 52 | 46 | 60 |
| ER50-15/32" | 15/32 | 50 | 52 | 46 | 60 |
| ER50-1/2" | 1/2 | 50 | 52 | 46 | 60 |
| ER50-17/32" | 17/32 | 50 | 52 | 46 | 60 |
| ER50-9/16" | 9/16 | 50 | 52 | 46 | 60 |
| ER50-19/32" | 19/32 | 50 | 52 | 46 | 60 |
| ER50-5/8" | 5/8 | 50 | 52 | 46 | 60 |
| ER50-21/32" | 21/32 | 50 | 52 | 46 | 60 |
| ER50-11/16" | 11/16 | 50 | 52 | 46 | 60 |
| ER50-23/32" | 23/32 | 50 | 52 | 46 | 60 |
| ER50-3/4" | 3/4 | 50 | 52 | 46 | 60 |
| ER50-25/32" | 25/32 | 50 | 52 | 46 | 60 |
| ER50-13/16" | 13/16 | 50 | 52 | 46 | 60 |
| ER50-27/32" | 27/32 | 50 | 52 | 46 | 60 |
| ER50-7/8" | 7/8 | 50 | 52 | 46 | 60 |
| ER50-29/32" | 29/32 | 50 | 52 | 46 | 60 |
| ER50-15/16" | 15/16 | 50 | 52 | 46 | 60 |
| ER50-31/32" | 31/32 | 50 | 52 | 46 | 60 |
| ER50-1" | 1" | 50 | 52 | 46 | 60 |
| ER50-1-1/32" | 1-1/32 | 50 | 52 | 46 | 60 |
| ER50-1-1/16" | 1-1/16 | 50 | 52 | 46 | 60 |
| ER50-1-3/32" | 1-3/32 | 50 | 52 | 46 | 60 |
| ER50-1-1/8" | 1-1/8 | 50 | 52 | 46 | 60 |
| ER50-1-5/32" | 1-5/32 | 50 | 52 | 46 | 60 |
| ER50-1-3/16" | 1-3/16 | 50 | 52 | 46 | 60 |
| ER50-1-7/32" | 1-7/32 | 50 | 52 | 46 | 60 |
| ER50-1-1/4" | 1-1/4 | 50 | 52 | 46 | 60 |
| ER50-1-9/32" | 1-9/32 | 50 | 52 | 46 | 60 |
| ER50-1-5/16" | 1-5/16 | 50 | 52 | 46 | 60 |

# ER Collet Set
# ER 筒夹套装





## Metric

| Size | Collet Diameter | PCS/SET |
|---|---|---|
| ER8-9 PCS | 1,1.5,2,2.5,3,3.5,4,4.5,5 | 9 |
| ER8-5 PCS | 1,2,3,4,5 | 5 |
| ER11-7 PCS | 1,2,3,4,5,6,7 | 7 |
| ER11-13 PCS | 1,1.5,2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7 | 13 |
| ER16-10 PCS | 1,2,3,4,5,6,7,8,9,10 | 10 |
| ER20-13 PCS | 1,2,3,4,5,6,7,8,9,10,11,12,13 | 13 |
| ER25-15 PCS | 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16 | 15 |
| ER32-18 PCS | 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 18 |
| ER40-23 PCS | 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22, 23,24,25,26 | 23 |

## Inch

| Size | Collet Diameter | PCS/SET |
|---|---|---|
| ER8-6 PCS (inch) | 1/32, 1/16, 3/32, 1/8, 5/32, 3/16 | 6 |
| ER16-8 PCS (inch) | 1/8, 5/32, 3/16, 7/32, 1/4,5/16,11/32,3/8 | 8 |
| ER20-11 PCS (inch) | 1/8,5/32,3/16,7/32,1/4,9/32,5/16,11/32,3/8,7/16,1/2 | 11 |
| ER25-9 PCS (inch) | 1/8, 3/16, 1/4,5/16,3/8,7/16,1/2,9/16,5/8 | 9 |
| ER32-18 PCS (inch) | 1/8,5/32,3/16,7/32,1/4,9/32,5/16,11/32,3/8,13/32, 7/16,15/32,1/2,9/16,5/8,11/16,23/32,3/4" | 18 |
| ER40-23 PCS (inch) | 1/8,5/32,3/16,7/32,1/4,9/32,5/16,11/32,3/8,13/32,7/16,15/32, 1/2,9/16,5/8,11/16,23/32,3/4,13/16,27/32,7/8,29/32,1 | 23 |

# ER Collet Chuck Set
# ER 刀柄套装





| Size | ER Collet Chuck | ER Collet | Pull Stud | Spanner | Coolant Tube |
|---|---|---|---|---|---|
| BT40-ER16-100-10 PCS | BT40-ER16-100 | 1-10 | BT40-45°CO | ER16A | - |
| BT40-ER20-100-13 PCS | BT40-ER20-100 | 1-13 | BT40-45°CO | ER20A | - |
| BT40-ER25-100-15 PCS | BT40-ER25-100 | 2-16 | BT40-45°CO | ER25UM | - |
| BT40-ER32-100-18 PCS | BT40-ER32-100 | 3-20 | BT40-45°CO | ER32UM | - |
| BT40-ER40-100-23 PCS | BT40-ER40-100 | 4-26 | BT40-45°CO | ER40UM | - |
| | | | | | |
| SK40-ER16-100-10 PCS | SK40-ER16-100 | 1-10 | SK40-45°CO | ER16A | - |
| SK40-ER20-100-13 PCS | SK40-ER20-100 | 1-13 | SK40-45°CO | ER20A | - |
| SK40-ER25-100-15 PCS | SK40-ER25-100 | 2-16 | SK40-45°CO | ER25UM | - |
| SK40-ER32-100-18 PCS | SK40-ER32-100 | 3-20 | SK40-45°CO | ER32UM | - |
| SK40-ER40-100-23 PCS | SK40-ER40-100 | 4- 26 | SK40-45°CO | ER40UM | - |
| | | | | | |
| CAT40-ER16-4" -10 PCS | CAT40-ER16-4" | 1-10 | BT-CAT40C-45 | ER16UM | - |
| CAT40-ER20-4" -13 PCS | CAT40-ER20-4" | 1-13 | BT-CAT40C-45 | ER20UM | - |
| CAT40-ER25-4" -15 PCS | CAT40-ER25-4" | 2-16 | BT-CAT40C-45 | ER25UM | - |
| CAT40-ER32-4"-18 PCS | CAT40-ER32-4" | 3-20 | BT-CAT40C-45 | ER32UM | - |
| CAT40-ER40-4"-23 PCS | CAT40-ER40-4" | 4-26 | BT-CAT40C-45 | ER40UM | - |
| | | | | | |
| NT40-ER16-100-10 PCS | NT40-ER16-100 | 1-10 | NT40-45°CO | ER16A | - |
| NT40-ER20-100-13 PCS | NT40-ER20-100 | 1-13 | NT40-45°CO | ER20A | - |
| NT40-ER25-100-15 PCS | NT40-ER25-100 | 2-16 | NT40-45°CO | ER25UM | - |
| NT40-ER32-100-18 PCS | NT40-ER32-100 | 3-20 | NT40-45°CO | ER32UM | - |
| NT40-ER40-80-23 PCS | NT40-ER40-80 | 4-26 | NT40-45°CO | ER40UM | - |
| | | | | | |
| HSK63A-ER16UM-75 -10 PCS | HSK63A-ER16UM-75 | 1-10 | - | ER16UM | CT63 |
| HSK63A-ER20UM-75-13 PCS | HSK63A-ER20UM-75 | 1-13 | - | ER20UM | CT63 |
| HSK63A-ER25-75 -15 PCS | HSK63A-ER25-75 | 2-16 | - | ER25UM | CT63 |
| HSK63A-ER32-75-18 PCS | HSK63A-ER32-75 | 3-20 | - | ER32UM | CT63 |
| HSK63A-ER40-80-23 PCS | HSK63A-ER40-80 | 4-26 | - | ER40UM | CT63 |

For the pull stud, we have two types, you can choose that as you need. But now this type is the most popular one.
拉钉提供两种规格可选，客户可根据需求选择，目前这款是使用更广泛的型号 .

# ER Collet Chuck Set
# ER 刀柄套装



| Size | ER Collet Chuck | Pull Stud | Spanner |
|---|---|---|---|
| BT40-ER16 SET | BT40-ER16-70 | BT40-45°CO*3 | ER16A |
| | BT40-ER16-100 | | |
| | BT40-ER16-160 | | |
| BT40-ER20 SET | BT40-ER20-70 | BT40-45°CO*3 | ER20A |
| | BT40-ER20-100 | | |
| | BT40-ER20-160 | | |
| BT40-ER25 SET | BT40-ER25-70 | BT40-45°CO*3 | ER25UM |
| | BT40-ER25-100 | | |
| | BT40-ER25-160 | | |
| BT40-ER32 SET | BT40-ER32-70 | BT40-45°CO*3 | ER32UM |
| | BT40-ER32-100 | | |
| | BT40-ER32-160 | | |
| BT40-ER40 SET | BT40-ER40-80 | BT40-45°CO*3 | ER40UM |
| | BT40-ER40-100 | | |
| | BT40-ER40-160 | | |
| SK40-ER16 SET | SK40-ER16-70 | SK40A*3 | ER16A |
| | SK40-ER16-100 | | |
| | SK40-ER16-160 | | |
| SK40-ER20 SET | SK40-ER20-70 | SK40A*3 | ER20A |
| | SK40-ER20-100 | | |
| | SK40-ER20-160 | | |
| SK40-ER25 SET | SK40-ER25-70 | SK40A*3 | ER25UM |
| | SK40-ER25-100 | | |
| | SK40-ER25-160 | | |
| SK40-ER32 SET | SK40-ER32-70 | SK40A*3 | ER32UM |
| | SK40-ER32-100 | | |
| | SK40-ER32-160 | | |
| SK40-ER40 SET | SK40-ER40-80 | SK40A*3 | ER40UM |
| | SK40-ER40-100 | | |
| | SK40-ER40-160 | | |

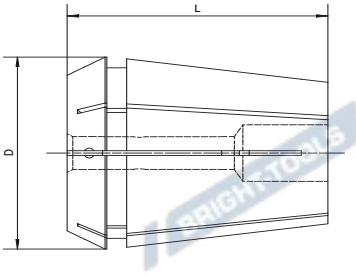
# ER Collet Chuck Set
# ER 刀柄套装



| Size | ER Collet Chuck | Pull Stud | Coolant Tube | Spanner |
|---|---|---|---|---|
| CAT40-ER16 SET | CAT40-ER16-2.5" | BT-CAT40C-45 *3 | - | - |
| | CAT40-ER16-4" | | | |
| | CAT40-ER16-6.3" | | | |
| CAT40-ER20 SET | CAT40-ER20-2.5" | BT-CAT40C-45 *3 | - | - |
| | CAT40-ER20-4" | | | |
| | CAT40-ER20-6.3" | | | |
| CAT40-ER25 SET | CAT40-ER25-2.5" | BT-CAT40C-45 *3 | - | - |
| | CAT40-ER25-4" | | | |
| | CAT40-ER25-6.3" | | | |
| CAT40-ER32 SET | CAT40-ER32-2.5" | BT-CAT40C-45 *3 | - | - |
| | CAT40-ER32-4" | | | |
| | CAT40-ER32-6.3" | | | |
| CAT40-ER40 SET | CAT40-ER40-2.5" | BT-CAT40C-45 *3 | - | - |
| | CAT40-ER40-4" | | | |
| | CAT40-ER40-6.3" | | | |
| HSK63A-ER16 SET | HSK63A-ER16-75 | - | CT63*3 | CT63*3 |
| | HSK63A-ER16-100 | | | |
| | HSK63A-ER16-160 | | | |
| HSK63-ER20 SET | HSK63A-ER20-75 | - | CT63*3 | CT63*3 |
| | HSK63A-ER20-100 | | | |
| | HSK63A-ER20-160 | | | |
| HSK63-ER25 SET | HSK63A-ER25-75 | - | CT63*3 | CT63*3 |
| | HSK63A-ER25-100 | | | |
| | HSK63A-ER25-160 | | | |
| HSK63-ER32 SET | HSK63A-ER32-75 | - | CT63*3 | CT63*3 |
| | HSK63A-ER32-100 | | | |
| | HSK63A-ER32-160 | | | |
| HSK63-ER40 SET | HSK63A-ER40-80 | - | CT63*3 | CT63*3 |
| | HSK63A-ER40-100 | | | |
| | HSK63A-ER40-160 | | | |

# Rubber Sealed Collet
# ER 胶条止水筒夹



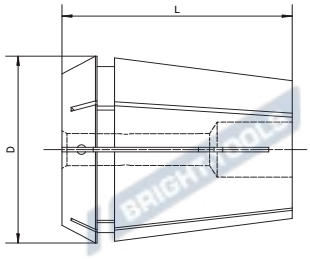



| Size | D | L | Diameter |
|---|---|---|---|
| ERS16-03 | 16.74 | 27.5 | 3 |
| ERS16-04 | 16.74 | 27.5 | 4 |
| ERS16-05 | 16.74 | 27.5 | 5 |
| ERS16-06 | 16.74 | 27.5 | 6 |
| ERS16-07 | 16.74 | 27.5 | 7 |
| ERS16-08 | 16.74 | 27.5 | 8 |
| ERS16-09 | 16.74 | 27.5 | 9 |
| ERS16-10 | 16.74 | 27.5 | 10 |
| ERS20-03 | 20.74 | 31.5 | 3 |
| ERS20-04 | 20.74 | 31.5 | 4 |
| ERS20-05 | 20.74 | 31.5 | 5 |
| ERS20-06 | 20.74 | 31.5 | 6 |
| ERS20-07 | 20.74 | 31.5 | 7 |
| ERS20-08 | 20.74 | 31.5 | 8 |
| ERS20-09 | 20.74 | 31.5 | 9 |
| ERS20-10 | 20.74 | 31.5 | 10 |
| ERS20-11 | 20.74 | 31.5 | 11 |
| ERS20-12 | 20.74 | 31.5 | 12 |
| ERS20-13 | 20.74 | 31.5 | 13 |

| Size | D | L | Diameter |
|---|---|---|---|
| ERS25-03 | 25.74 | 34 | 3 |
| ERS25-04 | 25.74 | 34 | 4 |
| ERS25-05 | 25.74 | 34 | 5 |
| ERS25-06 | 25.74 | 34 | 6 |
| ERS25-07 | 25.74 | 34 | 7 |
| ERS25-08 | 25.74 | 34 | 8 |
| ERS25-09 | 25.74 | 34 | 9 |
| ERS25-10 | 25.74 | 34 | 10 |
| ERS25-11 | 25.74 | 34 | 11 |
| ERS25-12 | 25.74 | 34 | 12 |
| ERS25-13 | 25.74 | 34 | 13 |
| ERS25-14 | 25.74 | 34 | 14 |
| ERS25-15 | 25.74 | 34 | 15 |
| ERS25-16 | 25.74 | 34 | 16 |

# Rubber Sealed Collet
# ER 胶条止水筒夹



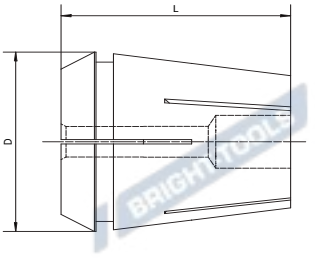



| Size | D | L | Diameter |
|---|---|---|---|
| ERS32-03 | 32.74 | 40 | 3 |
| ERS32-04 | 32.74 | 40 | 4 |
| ERS32-05 | 32.74 | 40 | 5 |
| ERS32-06 | 32.74 | 40 | 6 |
| ERS32-07 | 32.74 | 40 | 7 |
| ERS32-08 | 32.74 | 40 | 8 |
| ERS32-09 | 32.74 | 40 | 9 |
| ERS32-10 | 32.74 | 40 | 10 |
| ERS32-11 | 32.74 | 40 | 11 |
| ERS32-12 | 32.74 | 40 | 12 |
| ERS32-13 | 32.74 | 40 | 13 |
| ERS32-14 | 32.74 | 40 | 14 |
| ERS32-15 | 32.74 | 40 | 15 |
| ERS32-16 | 32.74 | 40 | 16 |
| ERS32-17 | 32.74 | 40 | 17 |
| ERS32-18 | 32.74 | 40 | 18 |
| ERS32-19 | 32.74 | 40 | 19 |
| ERS32-20 | 32.74 | 40 | 20 |

| Size | D | L | Diameter |
|---|---|---|---|
| ERS40-04 | 40.74 | 46 | 4 |
| ERS40-05 | 40.74 | 46 | 5 |
| ERS40-06 | 40.74 | 46 | 6 |
| ERS40-07 | 40.74 | 46 | 7 |
| ERS40-08 | 40.74 | 46 | 8 |
| ERS40-09 | 40.74 | 46 | 9 |
| ERS40-10 | 40.74 | 46 | 10 |
| ERS40-11 | 40.74 | 46 | 11 |
| ERS40-12 | 40.74 | 46 | 12 |
| ERS40-13 | 40.74 | 46 | 13 |
| ERS40-14 | 40.74 | 46 | 14 |
| ERS40-15 | 40.74 | 46 | 15 |
| ERS40-16 | 40.74 | 46 | 16 |
| ERS40-17 | 40.74 | 46 | 17 |
| ERS40-18 | 40.74 | 46 | 18 |
| ERS40-19 | 40.74 | 46 | 19 |
| ERS40-20 | 40.74 | 46 | 20 |
| ERS40-21 | 40.74 | 46 | 21 |
| ERS40-22 | 40.74 | 46 | 22 |
| ERS40-23 | 40.74 | 46 | 23 |
| ERS40-24 | 40.74 | 46 | 24 |
| ERS40-25 | 40.74 | 46 | 25 |
| ERS40-26 | 40.74 | 46 | 26 |

# ER Sealed Collet
# ER 刚性止水筒夹



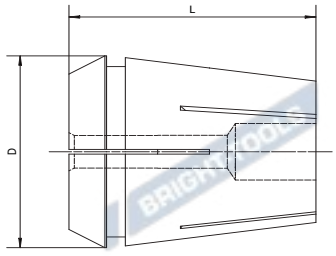



| Size | D | L | Diameter |
|---|---|---|---|
| ER11SS-03 | 11.3 | 18 | 3 |
| ER11SS-03.5 | 11.3 | 18 | 3.5 |
| ER11SS-04 | 11.3 | 18 | 4 |
| ER11SS-04.5 | 11.3 | 18 | 4.5 |
| ER11SS-05 | 11.3 | 18 | 5 |
| ER11SS-05.5 | 11.3 | 18 | 5.5 |
| ER11SS-06 | 11.3 | 18 | 6 |
| ER11SS-06.5 | 11.3 | 18 | 6.5 |
| ER11SS-07 | 11.3 | 18 | 7 |
| ER16SS-03 | 16.74 | 27.5 | 3 |
| ER16SS-04 | 16.74 | 27.5 | 4 |
| ER16SS-05 | 16.74 | 27.5 | 5 |
| ER16SS-06 | 16.74 | 27.5 | 6 |
| ER16SS-07 | 16.74 | 27.5 | 7 |
| ER16SS-08 | 16.74 | 27.5 | 8 |
| ER16SS-09 | 16.74 | 27.5 | 9 |
| ER16SS-10 | 16.74 | 27.5 | 10 |
| ER20SS-03 | 20.74 | 31.5 | 3 |
| ER20SS-04 | 20.74 | 31.5 | 4 |
| ER20SS-05 | 20.74 | 31.5 | 5 |
| ER20SS-06 | 20.74 | 31.5 | 6 |
| ER20SS-07 | 20.74 | 31.5 | 7 |
| ER20SS-08 | 20.74 | 31.5 | 8 |
| ER20SS-09 | 20.74 | 31.5 | 9 |
| ER20SS-10 | 20.74 | 31.5 | 10 |
| ER20SS-11 | 20.74 | 31.5 | 11 |
| ER20SS-12 | 20.74 | 31.5 | 12 |
| ER20SS-13 | 20.74 | 31.5 | 13 |

| Size | D | L | Diameter |
|---|---|---|---|
| ER25SS-03 | 25.74 | 34 | 3 |
| ER25SS-04 | 25.74 | 34 | 4 |
| ER25SS-05 | 25.74 | 34 | 5 |
| ER25SS-06 | 25.74 | 34 | 6 |
| ER25SS-07 | 25.74 | 34 | 7 |
| ER25SS-08 | 25.74 | 34 | 8 |
| ER25SS-09 | 25.74 | 34 | 9 |
| ER25SS-10 | 25.74 | 34 | 10 |
| ER25SS-11 | 25.74 | 34 | 11 |
| ER25SS-12 | 25.74 | 34 | 12 |
| ER25SS-13 | 25.74 | 34 | 13 |
| ER25SS-14 | 25.74 | 34 | 14 |
| ER25SS-15 | 25.74 | 34 | 15 |
| ER25SS-16 | 25.74 | 34 | 16 |

# ER Sealed Collet
# ER 刚性止水筒夹



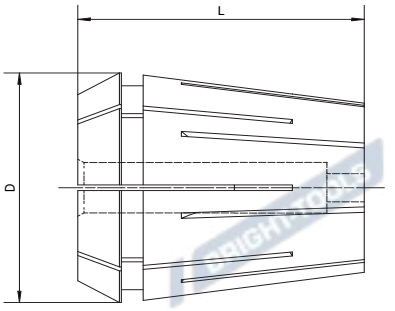



| Size | D | L | Diameter |
|---|---|---|---|
| ER32SS-03 | 32.74 | 40 | 3 |
| ER32SS-04 | 32.74 | 40 | 4 |
| ER32SS-05 | 32.74 | 40 | 5 |
| ER32SS-06 | 32.74 | 40 | 6 |
| ER32SS-07 | 32.74 | 40 | 7 |
| ER32SS-08 | 32.74 | 40 | 8 |
| ER32SS-09 | 32.74 | 40 | 9 |
| ER32SS-10 | 32.74 | 40 | 10 |
| ER32SS-11 | 32.74 | 40 | 11 |
| ER32SS-12 | 32.74 | 40 | 12 |
| ER32SS-13 | 32.74 | 40 | 13 |
| ER32SS-14 | 32.74 | 40 | 14 |
| ER32SS-15 | 32.74 | 40 | 15 |
| ER32SS-16 | 32.74 | 40 | 16 |
| ER32SS-17 | 32.74 | 40 | 17 |
| ER32SS-18 | 32.74 | 40 | 18 |
| ER32SS-19 | 32.74 | 40 | 19 |
| ER32SS-20 | 32.74 | 40 | 20 |

| Size | D | L | Diameter |
|---|---|---|---|
| ER40SS-04 | 40.74 | 46 | 4 |
| ER40SS-05 | 40.74 | 46 | 5 |
| ER40SS-06 | 40.74 | 46 | 6 |
| ER40SS-07 | 40.74 | 46 | 7 |
| ER40SS-08 | 40.74 | 46 | 8 |
| ER40SS-09 | 40.74 | 46 | 9 |
| ER40SS-10 | 40.74 | 46 | 10 |
| ER40SS-11 | 40.74 | 46 | 11 |
| ER40SS-12 | 40.74 | 46 | 12 |
| ER40SS-13 | 40.74 | 46 | 13 |
| ER40SS-14 | 40.74 | 46 | 14 |
| ER40SS-15 | 40.74 | 46 | 15 |
| ER40SS-16 | 40.74 | 46 | 16 |
| ER40SS-17 | 40.74 | 46 | 17 |
| ER40SS-18 | 40.74 | 46 | 18 |
| ER40SS-19 | 40.74 | 46 | 19 |
| ER40SS-20 | 40.74 | 46 | 20 |
| ER40SS-21 | 40.74 | 46 | 21 |
| ER40SS-22 | 40.74 | 46 | 22 |
| ER40SS-23 | 40.74 | 46 | 23 |
| ER40SS-24 | 40.74 | 46 | 24 |
| ER40SS-25 | 40.74 | 46 | 25 |
| ER40SS-26 | 40.74 | 46 | 26 |

# ER Tapping Collet
# ER 攻丝筒夹



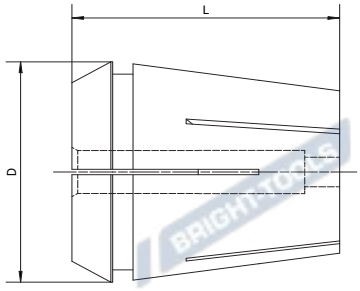



| Size | D | L | Diameter |
|---|---|---|---|
| ER16G (3.5*2.7) | 16.74 | 27.5 | 3.5*2.7 |
| ER16G (4.0*3.0) | 16.74 | 27.5 | 4.0*3.0 |
| ER16G (4.5*3.4) | 16.74 | 27.5 | 4.5*3.4 |
| ER16G (5.5*4.3) | 16.74 | 27.5 | 5.5*4.3 |
| ER16G (6*4.9) | 16.74 | 27.5 | 6*4.9 |
| ER16G (7*5.5) | 16.74 | 27.5 | 7*5.5 |
| ER16G (8*6.2) | 16.74 | 27.5 | 8*6.2 |
| ER20G (3.5*2.7) | 20.74 | 31.5 | 3.5*2.7 |
| ER20G (4.0*3.0) | 20.74 | 31.5 | 4.0*3.0 |
| ER20G (4.5*3.4) | 20.74 | 31.5 | 4.5*3.4 |
| ER20G (5.5*4.3) | 20.74 | 31.5 | 5.5*4.3 |
| ER20G (6.0*4.9) | 20.74 | 31.5 | 6.0*4.9 |
| ER20G (7*5.5) | 20.74 | 31.5 | 7*5.5 |
| ER20G (8*6.2) | 20.74 | 31.5 | 8*6.2 |
| ER20G (9*7.0) | 20.74 | 31.5 | 9*7.0 |
| ER20G (10*8.0) | 20.74 | 31.5 | 10*8.0 |
| ER25G (3.5*2.7) | 25.74 | 34 | 3.5*2.7 |
| ER25G (4.0*3.0) | 25.74 | 34 | 4.0*3.0 |
| ER25G (4.5*3.4) | 25.74 | 34 | 4.5*3.4 |
| ER25G (5.5*4.3) | 25.74 | 34 | 5.5*4.3 |
| ER25G (6.0*4.9) | 25.74 | 34 | 6.0*4.9 |
| ER25G (7.0*5.5) | 25.74 | 34 | 7.0*5.5 |
| ER25G (8.0*6.2) | 25.74 | 34 | 8.0*6.2 |
| ER25G (9*7.0) | 25.74 | 34 | 9*7.0 |
| ER25G (10*8.0) | 25.74 | 34 | 10*8.0 |
| ER25G (11*9.0) | 25.74 | 34 | 11*9.0 |
| ER25G (12*9.0) | 25.74 | 34 | 12*9.0 |
| ER25G (14*11.0) | 25.74 | 34 | 14*11.0 |
| ER25G (16*12.0) | 25.74 | 34 | 16*12.0 |

| Size | D | L | Diameter |
|---|---|---|---|
| ER32G (3.5*2.7) | 32.74 | 40 | 3.5*2.7 |
| ER32G (4.0*3.0) | 32.74 | 40 | 4.0*3.0 |
| ER32G (4.5*3.4) | 32.74 | 40 | 4.5*3.4 |
| ER32G (5.5*4.3) | 32.74 | 40 | 5.5*4.3 |
| ER32G (6.0*4.9) | 32.74 | 40 | 6.0*4.9 |
| ER32G (7.0*5.5) | 32.74 | 40 | 7.0*5.5 |
| ER32G (8.0*6.2) | 32.74 | 40 | 8.0*6.2 |
| ER32G (9.0*7.0) | 32.74 | 40 | 9.0*7.0 |
| ER32G (10*8.0) | 32.74 | 40 | 10*8.0 |
| ER32G (11*9.0) | 32.74 | 40 | 11*9.0 |
| ER32G (12*9.0) | 32.74 | 40 | 12*9.0 |
| ER32G (14*11.0) | 32.74 | 40 | 14*11.0 |
| ER32G (16*12.0) | 32.74 | 40 | 16*12.0 |
| ER32G (18*14.5) | 32.74 | 40 | 18*14.5 |
| ER32G (20*16.0) | 32.74 | 40 | 20*16.0 |
| ER40G (3.5*2.7) | 40.74 | 46 | 3.5*2.7 |
| ER40G (4.0*3.0) | 40.74 | 46 | 4.0*3.0 |
| ER40G (4.5*3.4) | 40.74 | 46 | 4.5*3.4 |
| ER40G (5.5*4.3) | 40.74 | 46 | 5.5*4.3 |
| ER40G (6.0*4.9) | 40.74 | 46 | 6.0*4.9 |
| ER40G (7.0*5.5) | 40.74 | 46 | 7.0*5.5 |
| ER40G (8.0*6.2) | 40.74 | 46 | 8.0*6.2 |
| ER40G (9.0*7.0) | 40.74 | 46 | 9.0*7.0 |
| ER40G (10.0*8.0) | 40.74 | 46 | 10.0*8.0 |
| ER40G (11*9.0) | 40.74 | 46 | 11*9.0 |
| ER40G (12*9.0) | 40.74 | 46 | 12*9.0 |
| ER40G (14*11.0) | 40.74 | 46 | 14*11.0 |
| ER40G (16*12.0) | 40.74 | 46 | 16*12.0 |
| ER40G (18*14.5) | 40.74 | 46 | 18*14.5 |
| ER40G (20*16.0) | 40.74 | 46 | 20*16.0 |
| ER40G (22*18.0) | 40.74 | 46 | 22*18.0 |
| ER40G (25*20.0) | 40.74 | 46 | 25*20.0 |

# ER Tapping Sealed Collet
# ER 止水攻丝筒夹



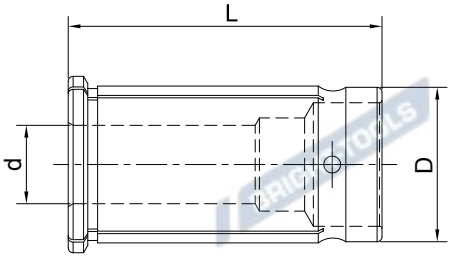



| Size | D | L | Diameter |
|---|---|---|---|
| ERS16G (3.5*2.7) | 16.74 | 27.5 | 3.5*2.7 |
| ERS16G (4.0*3.0) | 16.74 | 27.5 | 4.0*3.0 |
| ERS16G (4.5*3.4) | 16.74 | 27.5 | 4.5*3.4 |
| ERS16G (5.5*4.3) | 16.74 | 27.5 | 5.5*4.3 |
| ERS16G (6*4.9) | 16.74 | 27.5 | 6*4.9 |
| ERS16G (7*5.5) | 16.74 | 27.5 | 7*5.5 |
| ERS16G (8*6.2) | 16.74 | 27.5 | 8*6.2 |
| ERS20G (3.5*2.7) | 20.74 | 31.5 | 3.5*2.7 |
| ERS20G (4.0*3.0) | 20.74 | 31.5 | 4.0*3.0 |
| ERS20G (4.5*3.4) | 20.74 | 31.5 | 4.5*3.4 |
| ERS20G (5.5*4.3) | 20.74 | 31.5 | 5.5*4.3 |
| ERS20G (6.0*4.9) | 20.74 | 31.5 | 6.0*4.9 |
| ERS20G (7*5.5) | 20.74 | 31.5 | 7*5.5 |
| ERS20G (8*6.2) | 20.74 | 31.5 | 8*6.2 |
| ERS20G (9*7.0) | 20.74 | 31.5 | 9*7.0 |
| ERS20G (10*8.0) | 20.74 | 31.5 | 10*8.0 |
| ERS25G (3.5*2.7) | 25.74 | 34 | 3.5*2.7 |
| ERS25G (4.0*3.0) | 25.74 | 34 | 4.0*3.0 |
| ERS25G (4.5*3.4) | 25.74 | 34 | 4.5*3.4 |
| ERS25G (5.5*4.3) | 25.74 | 34 | 5.5*4.3 |
| ERS25G (6.0*4.9) | 25.74 | 34 | 6.0*4.9 |
| ERS25G (7.0*5.5) | 25.74 | 34 | 7.0*5.5 |
| ERS25G (8.0*6.2) | 25.74 | 34 | 8.0*6.2 |
| ERS25G (9*7.0) | 25.74 | 34 | 9*7.0 |
| ERS25G (10*8.0) | 25.74 | 34 | 10*8.0 |
| ERS25G (11*9.0) | 25.74 | 34 | 11*9.0 |
| ERS25G (12*9.0) | 25.74 | 34 | 12*9.0 |
| ERS25G (14*11.0) | 25.74 | 34 | 14*11.0 |
| ERS25G (16*12.0) | 25.74 | 34 | 16*12.0 |

| Size | D | L | Diameter |
|---|---|---|---|
| ERS32G (3.5*2.7) | 32.74 | 40 | 3.5*2.7 |
| ERS32G (4.0*3.0) | 32.74 | 40 | 4.0*3.0 |
| ERS32G (4.5*3.4) | 32.74 | 40 | 4.5*3.4 |
| ERS32G (5.5*4.3) | 32.74 | 40 | 5.5*4.3 |
| ERS32G (6.0*4.9) | 32.74 | 40 | 6.0*4.9 |
| ERS32G (7.0*5.5) | 32.74 | 40 | 7.0*5.5 |
| ERS32G (8.0*6.2) | 32.74 | 40 | 8.0*6.2 |
| ERS32G (9.0*7.0) | 32.74 | 40 | 9.0*7.0 |
| ERS32G (10*8.0) | 32.74 | 40 | 10*8.0 |
| ERS32G (11*9.0) | 32.74 | 40 | 11*9.0 |
| ERS32G (12*9.0) | 32.74 | 40 | 12*9.0 |
| ERS32G (14*11.0) | 32.74 | 40 | 14*11.0 |
| ERS32G (16*12.0) | 32.74 | 40 | 16*12.0 |
| ERS32G (18*14.5) | 32.74 | 40 | 18*14.5 |
| ERS32G (20*16.0) | 32.74 | 40 | 20*16.0 |
| ERS40G (3.5*2.7) | 40.74 | 46 | 3.5*2.7 |
| ERS40G (4.0*3.0) | 40.74 | 46 | 4.0*3.0 |
| ERS40G (4.5*3.4) | 40.74 | 46 | 4.5*3.4 |
| ERS40G (5.5*4.3) | 40.74 | 46 | 5.5*4.3 |
| ERS40G (6.0*4.9) | 40.74 | 46 | 6.0*4.9 |
| ERS40G (7.0*5.5) | 40.74 | 46 | 7.0*5.5 |
| ERS40G (8.0*6.2) | 40.74 | 46 | 8.0*6.2 |
| ERS40G (9.0*7.0) | 40.74 | 46 | 9.0*7.0 |
| ERS40G (10.0*8.0) | 40.74 | 46 | 10.0*8.0 |
| ERS40G (11*9.0) | 40.74 | 46 | 11*9.0 |
| ERS40G (12*9.0) | 40.74 | 46 | 12*9.0 |
| ERS40G (14*11.0) | 40.74 | 46 | 14*11.0 |
| ERS40G (16*12.0) | 40.74 | 46 | 16*12.0 |
| ERS40G (18*14.5) | 40.74 | 46 | 18*14.5 |
| ERS40G (20*16.0) | 40.74 | 46 | 20*16.0 |
| ERS40G (22*18.0) | 40.74 | 46 | 22*18.0 |
| ERS40G (25*20.0) | 40.74 | 46 | 25*20.0 |

# Straight Shank Collet
# SC 直柄筒夹






Metric

| Size | d | D | L |
|---|---|---|---|
| SC16-03 | 3 | 16 | 45 |
| SC16-04 | 4 | 16 | 45 |
| SC16-05 | 5 | 16 | 45 |
| SC16-06 | 6 | 16 | 45 |
| SC16-08 | 8 | 16 | 45 |
| SC16-10 | 10 | 16 | 45 |
| SC16-12 | 12 | 16 | 45 |
| | | | |
| SC20-03 | 3 | 20 | 50 |
| SC20-04 | 4 | 20 | 50 |
| SC20-05 | 5 | 20 | 50 |
| SC20-06 | 6 | 20 | 50 |
| SC20-08 | 8 | 20 | 50 |
| SC20-10 | 10 | 20 | 50 |
| SC20-12 | 12 | 20 | 50 |
| SC20-14 | 14 | 20 | 50 |
| SC20-16 | 16 | 20 | 50 |
| | | | |
| SC25-03 | 3 | 25 | 60 |
| SC25-04 | 4 | 25 | 60 |
| SC25-05 | 5 | 25 | 60 |
| SC25-06 | 6 | 25 | 60 |
| SC25-08 | 8 | 25 | 60 |
| SC25-10 | 10 | 25 | 60 |
| SC25-12 | 12 | 25 | 60 |
| SC25-14 | 14 | 25 | 60 |
| SC25-16 | 16 | 25 | 60 |
| SC25-18 | 18 | 25 | 60 |
| SC25-20 | 20 | 25 | 60 |

| Size | d | D | L |
|---|---|---|---|
| SC32-03 | 3 | 32 | 64 |
| SC32-04 | 4 | 32 | 64 |
| SC32-05 | 5 | 32 | 64 |
| SC32-06 | 6 | 32 | 64 |
| SC32-08 | 8 | 32 | 64 |
| SC32-10 | 10 | 32 | 64 |
| SC32-12 | 12 | 32 | 64 |
| SC32-14 | 14 | 32 | 64 |
| SC32-16 | 16 | 32 | 64 |
| SC32-18 | 18 | 32 | 64 |
| SC32-20 | 20 | 32 | 64 |
| SC32-25 | 25 | 32 | 64 |
| | | | |
| SC42-03 | 3 | 42 | 80 |
| SC42-04 | 4 | 42 | 80 |
| SC42-05 | 5 | 42 | 80 |
| SC42-06 | 6 | 42 | 80 |
| SC42-08 | 8 | 42 | 80 |
| SC42-10 | 10 | 42 | 80 |
| SC42-12 | 12 | 42 | 80 |
| SC42-14 | 14 | 42 | 80 |
| SC42-16 | 16 | 42 | 80 |
| SC42-18 | 18 | 42 | 80 |
| SC42-20 | 20 | 42 | 80 |
| SC42-22 | 22 | 42 | 80 |
| SC42-24 | 24 | 42 | 80 |
| SC42-25 | 25 | 42 | 80 |
| SC42-28 | 28 | 42 | 80 |
| SC42-30 | 30 | 42 | 80 |
| SC42-32 | 32 | 42 | 80 |

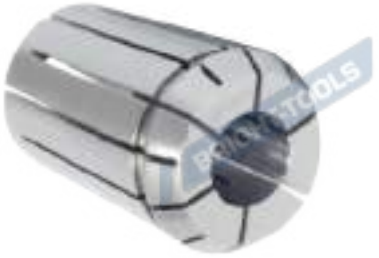
# Power Milling Chuck Set
# 强力刀柄套装

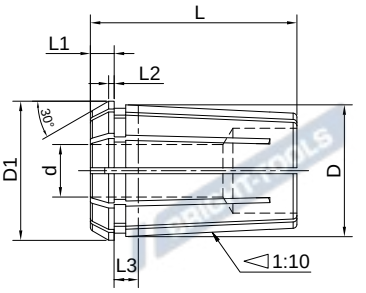




| Size | Power Milling Chuck | SC Collet | Pull Stud | Coolant Tube | Spanner |
|---|---|---|---|---|---|
| BT40-CT20SA-90-5 PCS | BT40-CT20SA-90 | SC20-6,8,10,12,16 | BT40-45°CO | - | C20 |
| BT40-CT32SA-105-7 PCS | BT40-CT32SA-1050 | SC32-6,8,10,12,16,20,25 | BT40-45°CO | - | C32 |
| | | | | | |
| SK40-CT20SA-90-5 PCS | SK40-CT20SA-90 | SC20-6,8,10,12,16 | SK40A | - | C20 |
| SK40-CT32SA-105-7 PCS | SK40-CT32SA-105 | SC32-6,8,10,12,16,20,25 | SK40A | - | C32 |
| | | | | | |
| CAT40-CT20SA-90-5 PCS | CAT40-CT20SA-90 | SC20-6,8,10,12,16 | BT-CAT40C-45 | - | C20 |
| CAT40-CT32SA-105-7 PCS | CAT40-CT32SA-105 | SC32-6,8,10,12,16,20,25 | BT-CAT40C-45 | - | C32 |
| | | | | | |
| HSK63A-CT20SA-90-5 PCS | HSK63A-CT20SA-90 | SC20-6,8,10,12,16 | - | CT63 | C20 |
| HSK63A-CT32SA-105-7 PCS | HSK63A-CT32SA-105 | SC32-6,8,10,12,16,20,25 | - | CT63 | C32 |

# OZ Collet
# OZ 筒夹 B 型

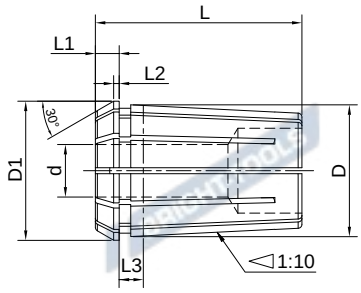





| Size | d | D | D1 | L | L1 | L2 | L3 |
|---|---|---|---|---|---|---|---|
| OZ25B-02 | 2 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-03 | 3 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-04 | 4 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-05 | 5 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-06 | 6 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-07 | 7 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-08 | 8 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-09 | 9 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-10 | 10 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-11 | 11 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-12 | 12 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-13 | 13 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-14 | 14 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-15 | 15 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-16 | 16 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-17 | 17 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-18 | 18 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-19 | 19 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-20 | 20 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-21 | 21 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-22 | 22 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-23 | 23 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-24 | 24 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |
| OZ25B-25 | 25 | 32.9 | 35.05 | 52 | 6 | 1.4 | 10 |

# OZ Collet
## OZ 筒夹 B 型






| Size | d | D | D1 | L | L1 | L2 | L3 |
|---|---|---|---|---|---|---|---|
| OZ32B-04 | 4 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-05 | 5 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-06 | 6 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-07 | 7 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-08 | 8 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-09 | 9 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-10 | 10 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-11 | 11 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-12 | 12 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-13 | 13 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-14 | 14 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-15 | 15 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-16 | 16 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-17 | 17 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-18 | 18 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-19 | 19 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-20 | 20 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-21 | 21 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-22 | 22 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-23 | 23 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-24 | 24 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-25 | 25 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-26 | 26 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-27 | 27 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-28 | 28 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-29 | 29 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-30 | 30 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-31 | 31 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |
| OZ32B-32 | 32 | 41.3 | 43.7 | 60 | 6 | 1.45 | 11 |

# OZ Collet Chuck Set
# OZ 刀柄套装

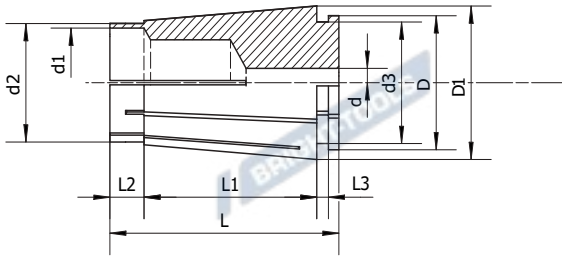




| Size | OZ Collet Chuck | Pull Stud | Spanner |
|---|---|---|---|
| BT40-OZ25-80-15 PCS | BT40-OZ25-80 | BT40-45CO | OZ25 |
| SK40-OZ25-70-15 PCS | SK40-OZ25-70 | SK40A | OZ25 |
| NT40-OZ25-70-15 PCS | NT40-OZ25-70 | - | OZ25 |
| | | | |
| MT2-OZ25-70-15 PCS | MT2-OZ25-70 | - | OZ25 |
| MT3-OZ25-70-15 PCS | MT3-OZ25-70 | - | OZ25 |
| MT4-OZ25-70-15 PCS | MT4-OZ25-70 | - | OZ25 |
| MT5-OZ25-70-15 PCS | MT5-OZ25-70 | - | OZ25 |

# SKS Collet
# SKS 高速筒夹

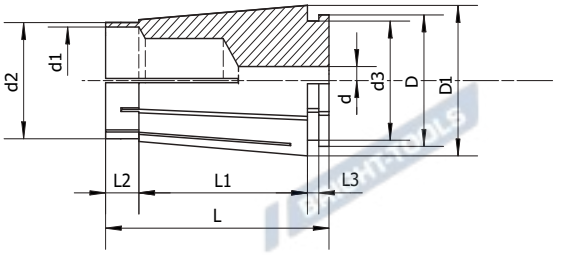





| Size | d | D | D1 | d1 | d2 | d3 | L | L1 | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|
| SKS06-02 | 1.75-2.0 | 8.6 | 10.5 | 6 | 7.5 | 7.8 | 25 | 17.5 | 3.5 | 2.5 |
| SKS06-03 | 2.8-3.0 | 8.6 | 10.5 | 6 | 7.5 | 7.8 | 25 | 17.5 | 3.5 | 2.5 |
| SKS06-04 | 3.5-4.0 | 8.6 | 10.5 | 6 | 7.5 | 7.8 | 25 | 17.5 | 3.5 | 2.5 |
| SKS06-05 | 4.5-5.0 | 8.6 | 10.5 | 6 | 7.5 | 7.8 | 25 | 17.5 | 3.5 | 2.5 |
| SKS06-06 | 5.5-6.0 | 8.6 | 10.5 | 6 | 7.5 | 7.8 | 25 | 17.5 | 3.5 | 2.5 |
| SKS10-02 | 1.75-2.0 | 13.1 | 15.5 | 10 | 12 | 12 | 30.5 | 22 | 5 | 2.3 |
| SKS10-03 | 2.75-3.0 | 13.1 | 15.5 | 10 | 12 | 12 | 30.5 | 22 | 5 | 2.3 |
| SKS10-04 | 3.5-4.0 | 13.1 | 15.5 | 10 | 12 | 12 | 30.5 | 22 | 5 | 2.3 |
| SKS10-05 | 4.5-5.0 | 13.1 | 15.5 | 10 | 12 | 12 | 30.5 | 22 | 5 | 2.3 |
| SKS10-06 | 5.5-6.0 | 13.1 | 15.5 | 10 | 12 | 12 | 30.5 | 22 | 5 | 2.3 |
| SKS10-07 | 6.5-7.0 | 13.1 | 15.5 | 10 | 12 | 12 | 30.5 | 22 | 5 | 2.3 |
| SKS10-08 | 7.5-8.0 | 13.1 | 15.5 | 10 | 12 | 12 | 30.5 | 22 | 5 | 2.3 |
| SKS10-09 | 8.5-9.0 | 13.1 | 15.5 | 10 | 12 | 12 | 30.5 | 22 | 5 | 2.3 |
| SKS10-10 | 9.5-10.0 | 13.1 | 15.5 | 10 | 12 | 12 | 30.5 | 22 | 5 | 2.3 |
| SKS16-03 | 2.75-3.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-04 | 3.5-4.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-05 | 4.5-5.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-06 | 5.5-6.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-07 | 6.5-7.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-08 | 7.5-8.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-09 | 8.5-9.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-10 | 9.5-10.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-11 | 10.5-11.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-12 | 11.5-12.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-13 | 12.5-13.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-14 | 13.5-14.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-15 | 14.5-15.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |
| SKS16-16 | 15.5-16.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32 | 8 | 2.8 |

# SKS Collet
# SKS 高速筒夹

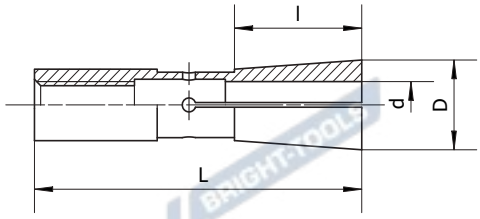





| Size | d | D | D1 | d1 | d2 | d3 | L | L1 | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|
| SKS25-03 | 2.5-3.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-04 | 3.5-4.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-05 | 4.5-5.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-06 | 5.5-6.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-08 | 7.5-8.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-10 | 9.5-10.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-12 | 11.5-12.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-14 | 13.5-14.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-16 | 15.5-16.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-18 | 17.5-18.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-20 | 19.5-20.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-22 | 21.5-22.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-24 | 23.5-24.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-25 | 24.5-25.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |

# DC Collet
# DC 后拉筒夹

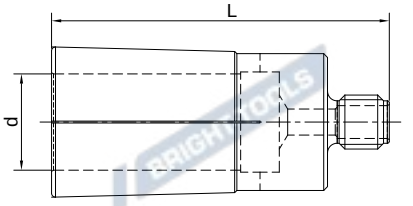





| Size | d | D | L | l | M |
|---|---|---|---|---|---|
| DC04-02 | 2 | 7 | 31 | 10 | M5*0.8P |
| DC04-03 | 3 | 7 | 31 | 14 | M5*0.8P |
| DC04-04 | 4 | 7 | 31 | 14 | M5*0.8P |
| DC06-03 | 3 | 9.6 | 14 | 14 | M5*0.8P |
| DC06-04 | 4 | 9.6 | 36 | 14 | M5*0.8P |
| DC06-05 | 5 | 9.6 | 36 | 16 | M5*0.8P |
| DC06-06 | 6 | 9.6 | 36 | 16 | M5*0.8P |
| DC08-03 | 3 | 15 | 45 | 15 | M5*0.8P |
| DC08-04 | 4 | 15 | 45 | 16 | M5*0.8P |
| DC08-06 | 6 | 15 | 45 | 24 | M5*0.8P |
| DC08-08 | 8 | 15 | 45 | 26 | M5*0.8P |
| DC12-04 | 4 | 22 | 60 | 15 | M8*1.25P |
| DC12-06 | 6 | 22 | 60 | 25 | M8*1.25P |
| DC12-08 | 8 | 22 | 60 | 30 | M8*1.25P |
| DC12-10 | 10 | 22 | 60 | 33 | M8*1.25P |
| DC12-12 | 12 | 22 | 60 | 33 | M8*1.25P |

# NDC Collet
# NDC 后拉筒夹

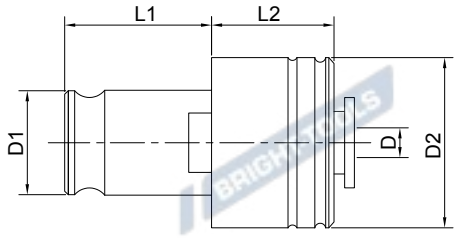





| Size | d | L |
|---|---|---|
| NDC14D04C | 04 | 66 |
| NDC14D06C | 06 | 66 |
| NDC14D08C | O8 | 50 |
| NDC14D10C | 010 | 50 |
| NDC14D12C | 012 | 50 |
| NDC14D14C | 014 | 50 |
| | | |
| NDC20D04C | 04 | 66 |
| NDC20D06C | O6 | 66 |
| NDC20D08C | 08 | 48.5 |
| NDC20D10C | 10 | 48.5 |
| NDC20D12C | 12 | 48.5 |
| NDC20D14C | 14 | 48.5 |
| NDC20D16C | 16 | 48.5 |
| NDC20D18C | 18 | 48.5 |
| NDC20D20C | 20 | 48.5 |
| | | |
| NDC32D12C | 012 | 59.5 |
| NDC32D16C | 016 | 59.5 |
| NDC32D20C | 020 | 59.5 |
| NDC32D25C | 025 | 59.5 |
| NDC32D30C | 030 | 59.5 |
| NDC32D32C | 032 | 59.5 |

# Tapping Collet with Cluth
## 过载保护攻丝筒夹（公制）

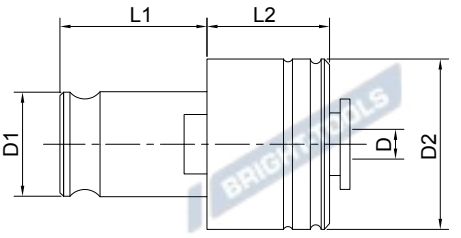





| Size | Collet | M | D | □ | D1 | D2 | L1 | L2 |
|---|---|---|---|---|---|---|---|---|
| FES1 M2(2.80x2.1) | FES 1 | M2 | 2.8 | 2.1 | 19 | 33 | 21.5 | 25 |
| FES1 M3(3.5*2.7) | FES 1 | M3 | 3.5 | 2.7 | 19 | 33 | 21.5 | 25 |
| FES1 M3.5(4*3) | FES 1 | M3.5 | 4 | 3 | 19 | 33 | 21.5 | 25 |
| FES1 M4(5*4) | FES 1 | M4 | 5 | 4 | 19 | 33 | 21.5 | 25 |
| FES1 M4(4.5*3.4) | FES 1 | M4 | 4.5 | 3.4 | 19 | 33 | 21.5 | 25 |
| FES1 M5(6*4.9) | FES 1 | M5 | 6 | 4.9 | 19 | 33 | 21.5 | 25 |
| FES1 M6(6.3*5) | FES 1 | M6 | 6.3 | 5 | 19 | 33 | 21.5 | 25 |
| FES1 M6(6*4.9) | FES 1 | M6 | 6 | 4.9 | 19 | 33 | 21.5 | 25 |
| FES1 M8(8*6.3) | FES 1 | M8 | 8 | 6.3 | 19 | 33 | 21.5 | 25 |
| FES1 M10(10*8) | FES 1 | M10 | 10 | 8 | 19 | 33 | 21.5 | 25 |
| FES1 M10(7*5.5) | FES 1 | M10 | 7 | 5.5 | 19 | 33 | 21.5 | 25 |
| FES1 M12(9*7.1) | FES 1 | M12 | 9 | 7.1 | 19 | 33 | 21.5 | 25 |
| FES1 M12(9*7) | FES 1 | M12 | 9 | 7 | 19 | 33 | 21.5 | 25 |
| FES1 M14(11*9) | FES 1 | M14 | 11 | 9 | 19 | 33 | 21.5 | 25 |

# Tapping Collet with Cluth
## 过载保护攻丝筒夹（公制）

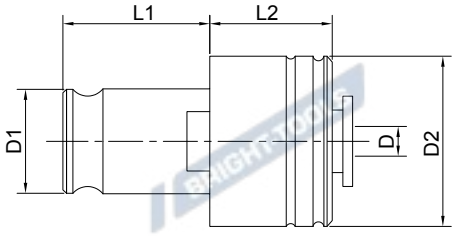





| Size | Collet | M | D | □ | D1 | D2 | L1 | L2 |
|---|---|---|---|---|---|---|---|---|
| FES2 M5(6*4.9) | FES 2 | M5 | 6 | 4.9 | 31 | 51 | 35 | 35 |
| FES2 M6(6.3*5) | FES 2 | M6 | 6.3 | 5 | 31 | 51 | 35 | 35 |
| FES2 M6(6*4.9) | FES 2 | M6 | 6 | 4.9 | 31 | 51 | 35 | 35 |
| FES2 M8(8*6.3) | FES 2 | M8 | 8 | 6.3 | 31 | 51 | 35 | 35 |
| FES2 M10(10*8) | FES 2 | M10 | 10 | 8 | 31 | 51 | 35 | 35 |
| FES2 M10(7*5.5) | FES 2 | M10 | 7 | 5.5 | 31 | 51 | 35 | 35 |
| FES2 M12(9*7.1) | FES 2 | M12 | 9 | 7.1 | 31 | 51 | 35 | 35 |
| FES2 M12(9*7) | FES 2 | M12 | 9 | 7 | 31 | 51 | 35 | 35 |
| FES2 M14(11*9) | FES 2 | M14 | 11 | 9 | 31 | 51 | 35 | 35 |
| FES2 M16(12.5*10) | FES 2 | M16 | 12.5 | 10 | 31 | 51 | 35 | 35 |
| FES2 M16(12*9) | FES 2 | M16 | 12 | 9 | 31 | 51 | 35 | 35 |
| FES2 M18(14*11) | FES 2 | M18 | 14 | 11 | 31 | 51 | 35 | 35 |
| FES2 M20(16*12) | FES 2 | M20 | 16 | 12 | 31 | 51 | 35 | 35 |
| FES2 M22(18*14.5) | FES 2 | M22 | 18 | 14.5 | 31 | 51 | 35 | 35 |
| FES2 M24(18*14.5) | FES 2 | M24 | 18 | 14.5 | 31 | 51 | 35 | 35 |
| FES2 M24(16*12.5) | FES 2 | M24 | 16 | 12.5 | 31 | 51 | 35 | 35 |
| | | | | | | | | |
| FES3 M14(11*9) | FES 3 | M14 | 11 | 9 | 48 | 73 | 55.5 | 45 |
| FES3 M16(12*9) | FES 3 | M16 | 12 | 9 | 48 | 73 | 55.5 | 45 |
| FES3 M18(14*11) | FES 3 | M18 | 14 | 11 | 48 | 73 | 55.5 | 45 |
| FES3 M20(16*12) | FES 3 | M20 | 16 | 12 | 48 | 73 | 55.5 | 45 |
| FES3 M22(18*14.5) | FES 3 | M22 | 18 | 14.5 | 48 | 73 | 55.5 | 45 |
| FES3 M24(18*14.5) | FES 3 | M24 | 18 | 14.5 | 48 | 73 | 55.5 | 45 |
| FES3 M27(20*16) | FES 3 | M27 | 20 | 16 | 48 | 73 | 55.5 | 45 |
| FES3 M30(22*18) | FES 3 | M30 | 22 | 18 | 48 | 73 | 55.5 | 45 |
| FES3 M33(25*20) | FES 3 | M33 | 25 | 20 | 48 | 73 | 55.5 | 45 |
| FES3 M36(28*22) | FES 3 | M36 | 28 | 22 | 48 | 73 | 55.5 | 45 |

# Tapping Collet with Cluth
## 过载保护攻丝筒夹（英制）

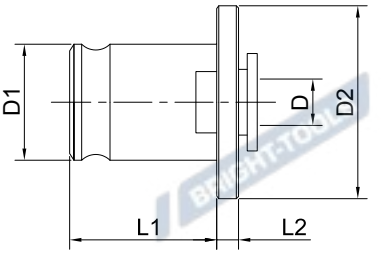





| Size | Collet | ANSI | Metric | D | □ | D1 | D2 | L1 | L2 |
|---|---|---|---|---|---|---|---|---|---|
| 0-6" M1.6-M3.5 | FES 1 | 0-6" | M1.6-M3.5 | 0.141 | 0.11 | 19 | 33 | 21.5 | 25 |
| 8, 5/32 M4 | FES 1 | 8, 5/32 | M4 | 0.168 | 0.131 | 19 | 33 | 21.5 | 25 |
| 10, 3/16" M4.5 M5 | FES 1 | 10, 3/16" | M4.5 M5 | 0.194 | 0.152 | 19 | 33 | 21.5 | 25 |
| 12, 7/32" | FES 1 | 12, 7/32" | | 0.22 | 0.165 | 19 | 33 | 21.5 | 25 |
| 1/4" M6 M6.3 | FES 1 | 1/4" | M6 M6.3 | 0.255 | 0.191 | 19 | 33 | 21.5 | 25 |
| 5/16" M7 M8 | FES 1 | 5/16" | M7 M8 | 0.318 | 0.238 | 19 | 33 | 21.5 | 25 |
| 3/8" M10 | FES 1 | 3/8" | M10 | 0.381 | 0.286 | 19 | 33 | 21.5 | 25 |
| 7/16" M11 | FES 1 | 7/16" | M11 | 0.323 | 0.242 | 19 | 33 | 21.5 | 25 |
| 1/2" M12 M12.5 | FES 1 | 1/2" | M12 M12.5 | 0.367 | 0.275 | 19 | 33 | 21.5 | 25 |
| 9/16" M14 | FES 1 | 9/16" | M14 | 0.429 | 0.322 | 19 | 33 | 21.5 | 25 |
| 1/8" NPT | FES 1 | 1/8" NPT | | 0.437 | 0.328 | 19 | 33 | 21.5 | 25 |
| | | | | | | | | | |
| 5/16" M7 M8 | FES 2 | 5/16" | M7 M8 | 0.318 | 0.238 | 31 | 51 | 35 | 35 |
| 3/8" M10 | FES 2 | 3/8" | M10 | 0.381 | 0.286 | 31 | 51 | 35 | 35 |
| 7/16" M11 | FES 2 | 7/16" | M11 | 0.323 | 0.242 | 31 | 51 | 35 | 35 |
| 1/2" M12 M12.5 | FES 2 | 1/2" | M12 M12.5 | 0.367 | 0.275 | 31 | 51 | 35 | 35 |
| 9/16" M14 | FES 2 | 9/16" | M14 | 0.429 | 0.322 | 31 | 51 | 35 | 35 |
| 5/8" M16 | FES 2 | 5/8" | M16 | 0.48 | 0.36 | 31 | 51 | 35 | 35 |
| 11/16" M18 | FES 2 | 11/16" | M18 | 0.542 | 0.406 | 31 | 51 | 35 | 35 |
| 3/4" | FES 2 | 3/4" | | 0.59 | 0.442 | 31 | 51 | 35 | 35 |
| 13/16" M20 | FES 2 | 13/16" | M20 | 0.652 | 0.489 | 31 | 51 | 35 | 35 |
| 7/8" M22 | FES 2 | 7/8" | M22 | 0.697 | 0.523 | 31 | 51 | 35 | 35 |
| 1/4" NPT | FES 2 | 1/4" NPT | | 0.562 | 0.421 | 31 | 51 | 35 | 35 |
| 3/8" NPT | FES 2 | 3/8" NPT | | 0.7 | 0.531 | 31 | 51 | 35 | 35 |
| 1/2" NPT | FES 2 | 1/2" NPT | | 0.687 | 0.515 | 31 | 51 | 35 | 35 |
| | | | | | | | | | |
| 13/16" M20 | FES 3 | 13/16" | M20 | 0.652 | 0.489 | 48 | 73 | 55.5 | 45 |
| 7/8" M22 | FES 3 | 7/8" | M22 | 0.697 | 0.523 | 48 | 73 | 55.5 | 45 |
| 15/16" M24 | FES 3 | 15/16" | M24 | 0.76 | 0.57 | 48 | 73 | 55.5 | 45 |
| 1" M25 | FES 3 | 1" | M25 | 0.8 | 0.6 | 48 | 73 | 55.5 | 45 |
| 1-1/8", 1-1/16" M27 | FES 3 | 1-1/8", 1-1/16" | M27 | 0.896 | 0.672 | 48 | 73 | 55.5 | 45 |
| 1-1/4", 1-3/16 M30 | FES 3 | 1-1/4", 1-3/16 | M30 | 1.021 | 0.766 | 48 | 73 | 55.5 | 45 |
| 1-3/8", 1-5/16 M33 | FES 3 | 1-3/8", 1-5/16 | M33 | 1.108 | 0.831 | 48 | 73 | 55.5 | 45 |
| 1/2" NPT | FES 3 | 1/2" NPT | | 0.687 | 0.515 | 48 | 73 | 55.5 | 45 |
| 3/4" NPT | FES 3 | 3/4" NPT | | 0.906 | 0.678 | 48 | 73 | 55.5 | 45 |
| 1" NPT | FES 3 | 1" NPT | | 1.125 | 0.843 | 48 | 73 | 55.5 | 45 |

# Tapping Collet without Cluth
## 无过载保护攻丝筒夹（公制）

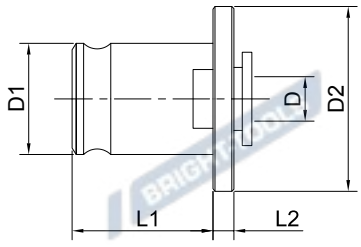





| Size | Collet | M | D | □ | D1 | D2 | L1 | L2 |
|---|---|---|---|---|---|---|---|---|
| FE1 M2(2.8*2.1) | FE 1 | M2 | 2.8 | 2.1 | 19 | 30 | 21.5 | 7 |
| FE1 M3(3.5*2.7) | FE 1 | M3 | 3.5 | 2.7 | 19 | 30 | 21.5 | 7 |
| FE1 M4(5*4) | FE 1 | M4 | 5 | 4 | 19 | 30 | 21.5 | 7 |
| FE1 M4(4.5*3.4) | FE 1 | M4 | 4.5 | 3.4 | 19 | 30 | 21.5 | 7 |
| FE1 M6(6*4.9) | FE 1 | M6 | 6 | 4.9 | 19 | 30 | 21.5 | 7 |
| FE1 M8(8*6.2) | FE 1 | M8 | 8 | 6.2 | 19 | 30 | 21.5 | 7 |
| FE1 M10(10*8) | FE 1 | M10 | 10 | 8 | 19 | 30 | 21.5 | 7 |
| FE1 M10(7*5.5) | FE 1 | M10 | 7 | 5.5 | 19 | 30 | 21.5 | 7 |
| FE1 M12(9*7) | FE 1 | M12 | 9 | 7 | 19 | 30 | 21.5 | 7 |
| | | | | | | | | |
| FE2 M8(6*4.9) | FE 2 | M8 | 6 | 4.9 | 31 | 48 | 35 | 11 |
| FE2 M8(8*6.2) | FE 2 | M8 | 8 | 6.2 | 31 | 48 | 35 | 11 |
| FE2 M10(10*8) | FE 2 | M10 | 10 | 8 | 31 | 48 | 35 | 11 |
| FE2 M10(7*5.5) | FE 2 | M10 | 7 | 5.5 | 31 | 48 | 35 | 11 |
| FE2 M12(9*7.1) | FE 2 | M12 | 9 | 7.1 | 31 | 48 | 35 | 11 |
| FE2 M14(11*9) | FE 2 | M14 | 11 | 9 | 31 | 48 | 35 | 11 |
| FE2 M16(12*9) | FE 2 | M16 | 12 | 9 | 31 | 48 | 35 | 11 |
| FE2 M18(14*11) | FE 2 | M18 | 14 | 11 | 31 | 48 | 35 | 11 |
| FE2 M20(16*12) | FE 2 | M20 | 16 | 12 | 31 | 48 | 35 | 11 |
| | | | | | | | | |
| FE3 M14(11*9) | FE 3 | M14 | 11 | 9 | 48 | 70 | 55.5 | 13.5 |
| FE3 M16(12*9) | FE 3 | M16 | 12 | 9 | 48 | 70 | 55.5 | 13.5 |
| FE3 M18(14*11) | FE 3 | M18 | 14 | 11 | 48 | 70 | 55.5 | 13.5 |
| FE3 M20(16*12) | FE 3 | M20 | 16 | 12 | 48 | 70 | 55.5 | 13.5 |
| FE3 M24(18*14.5) | FE 3 | M24 | 18 | 14.5 | 48 | 70 | 55.5 | 13.5 |
| FE3 M27(20*16) | FE 3 | M27 | 20 | 16 | 48 | 70 | 55.5 | 13.5 |
| FE3 M30(22*18) | FE 3 | M30 | 22 | 18 | 48 | 70 | 55.5 | 13.5 |
| FE3 M33(25*20) | FE 3 | M33 | 25 | 20 | 48 | 70 | 55.5 | 13.5 |
| FE3 M36(28*22) | FE 3 | M36 | 28 | 22 | 48 | 70 | 55.5 | 13.5 |

# Tapping Collet without Cluth
## 无过载保护攻丝筒夹（英制）

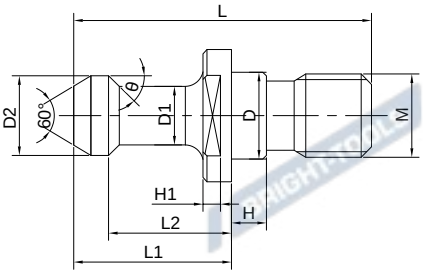





| Size | Collet | ANSI | Metric | D | □ | D1 | D2 | L1 | L2 |
|---|---|---|---|---|---|---|---|---|---|
| 0-6" M1.6-M3.5 | FE 1 | 0-6" | M1.6-M3.5 | 0.141 | 0.11 | 19 | 30 | 21.5 | 7 |
| 8, 5/32 M4 | FE 1 | 8, 5/32 | M4 | 0.168 | 0.131 | 19 | 30 | 21.5 | 7 |
| 10, 3/16" M4.5 M5 | FE 1 | 10, 3/16" | M4.5 M5 | 0.194 | 0.152 | 19 | 30 | 21.5 | 7 |
| 12, 7/32" | FE 1 | 12, 7/32" | | 0.22 | 0.165 | 19 | 30 | 21.5 | 7 |
| 1/4" M6 M6.3 | FE 1 | 1/4" | M6 M6.3 | 0.255 | 0.191 | 19 | 30 | 21.5 | 7 |
| 5/16" M7 M8 | FE 1 | 5/16" | M7 M8 | 0.318 | 0.238 | 19 | 30 | 21.5 | 7 |
| 3/8" M10 | FE 1 | 3/8" | M10 | 0.381 | 0.286 | 19 | 30 | 21.5 | 7 |
| 7/16" M11 | FE 1 | 7/16" | M11 | 0.323 | 0.242 | 19 | 30 | 21.5 | 7 |
| 1/2" M12 M12.5 | FE 1 | 1/2" | M12 M12.5 | 0.367 | 0.275 | 19 | 30 | 21.5 | 7 |
| 9/16" M14 | FE 1 | 9/16" | M14 | 0.429 | 0.322 | 19 | 30 | 21.5 | 7 |
| 1/8" NPT | FE 1 | 1/8" NPT | - | 0.437 | 0.328 | 19 | 30 | 21.5 | 7 |
| | | | | | | | | | |
| 5/16" M7 M8 | FE 2 | 5/16" | M7 M8 | 0.318 | 0.238 | 31 | 48 | 35 | 11 |
| 3/8" M10 | FE 2 | 3/8" | M10 | 0.381 | 0.286 | 31 | 48 | 35 | 11 |
| 7/16" M11 | FE 2 | 7/16" | M11 | 0.323 | 0.242 | 31 | 48 | 35 | 11 |
| 1/2" M12 M12.5 | FE 2 | 1/2" | M12 M12.5 | 0.367 | 0.275 | 31 | 48 | 35 | 11 |
| 9/16" M14 | FE 2 | 9/16" | M14 | 0.429 | 0.322 | 31 | 48 | 35 | 11 |
| 5/8" M16 | FE 2 | 5/8" | M16 | 0.48 | 0.36 | 31 | 48 | 35 | 11 |
| 11/16" M18 | FE 2 | 11/16" | M18 | 0.542 | 0.406 | 31 | 48 | 35 | 11 |
| 3/4" | FE 2 | 3/4" | - | 0.59 | 0.442 | 31 | 48 | 35 | 11 |
| 13/16" M20 | FE 2 | 13/16" | M20 | 0.652 | 0.489 | 31 | 48 | 35 | 11 |
| 7/8" M22 | FE 2 | 7/8" | M22 | 0.697 | 0.523 | 31 | 48 | 35 | 11 |
| 1/4" NPT | FE 2 | 1/4" NPT | - | 0.562 | 0.421 | 31 | 48 | 35 | 11 |
| 3/8" NPT | FE 2 | 3/8" NPT | - | 0.7 | 0.531 | 31 | 48 | 35 | 11 |
| 1/2" NPT | FE 2 | 1/2" NPT | - | 0.687 | 0.515 | 31 | 48 | 35 | 11 |
| | | | M20 | | | | | | |
| 13/16" M20 | FE 3 | 13/16" | M22 | 0.652 | 0.489 | 48 | 70 | 55.5 | 13.5 |
| 7/8" M22 | FE 3 | 7/8" | M24 | 0.697 | 0.523 | 48 | 70 | 55.5 | 13.5 |
| 15/16" M24 | FE 3 | 15/16" | M25 | 0.76 | 0.57 | 48 | 70 | 55.5 | 13.5 |
| 1" M25 | FE 3 | 1" | M27 | 0.8 | 0.6 | 48 | 70 | 55.5 | 13.5 |
| 1-1/8", 1-1/16" M27 | FE 3 | 1-1/8", 1-1/16" | M30 | 0.896 | 0.672 | 48 | 70 | 55.5 | 13.5 |
| 1-1/4", 1-3/16 M30 | FE 3 | 1-1/4", 1-3/16 | M33 | 1.021 | 0.766 | 48 | 70 | 55.5 | 13.5 |
| 1-3/8", 1-5/16 M33 | FE 3 | 1-3/8", 1-5/16 | - | 1.108 | 0.831 | 48 | 70 | 55.5 | 13.5 |
| 1/2" NPT | FE 3 | 1/2" NPT | - | 0.687 | 0.515 | 48 | 70 | 55.5 | 13.5 |
| 3/4" NPT | FE 3 | 3/4" NPT | - | 0.906 | 0.678 | 48 | 70 | 55.5 | 13.5 |
| 1" NPT | FE 3 | 1" NPT | - | 1.125 | 0.843 | 48 | 70 | 55.5 | 13.5 |

# BT Pull Stud
# BT 拉钉



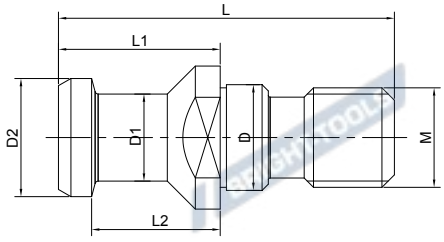



| Size | D | D1 | D2 | M | L | L1 | L2 | H | H1 | θ |
|---|---|---|---|---|---|---|---|---|---|---|
| BT30-45 | 12.5 | 7 | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 45 |
| BT30-60 | 12.5 | 7 | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 60 |
| BT30-90 | 12.5 | 7 | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 90 |
| BT40-45 | 17 | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4 | 45 |
| BT40-60 | 17 | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4 | 60 |
| BT40-90 | 17 | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4 | 90 |
| BT50-45 | 25 | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8 | 45 |
| BT50-60 | 25 | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8 | 60 |
| BT50-90 | 25 | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8 | 90 |
| BT30C-45 | 12.5 | 7 | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 45 |
| BT30C-60 | 12.5 | 7 | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 60 |
| BT30C-90 | 12.5 | 7 | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 90 |
| BT40C-45 | 17 | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4 | 45 |
| BT40C-60 | 17 | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4 | 60 |
| BT40C-90 | 17 | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4 | 90 |
| BT50C-45 | 25 | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8 | 45 |
| BT50C-60 | 25 | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8 | 60 |
| BT50C-90 | 25 | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8 | 90 |
| BT30CO-45 | 12.5 | 7 | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 45 |
| BT30CO-60 | 12.5 | 7 | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 60 |
| BT30CO-90 | 12.5 | 7 | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 90 |
| BT40CO-45 | 17 | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4 | 45 |
| BT40CO-60 | 17 | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4 | 60 |
| BT40CO-90 | 17 | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4 | 90 |
| BT50CO-45 | 25 | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8 | 45 |
| BT50CO-60 | 25 | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8 | 60 |
| BT50CO-90 | 25 | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8 | 90 |

C: Through Hole
O: with O-Ring
Other sizes can be made by request.

## SK Pull Stud
## SK 拉钉



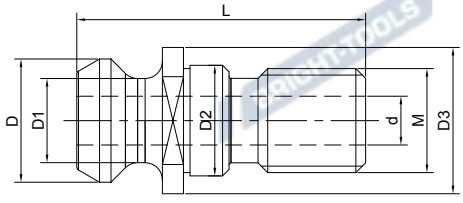



| Size | D | D1 | D2 | M | L | L1 | L2 |
|---|---|---|---|---|---|---|---|
| SK-30A | 13 | 9 | 13 | M12 | 44 | 24 | 19 |
| SK-40A | 17 | 14 | 19 | M16 | 54 | 26 | 20 |
| SK-50A | 25 | 21 | 28 | M24 | 74 | 34 | 25 |
| SK-30AO | 13 | 9 | 13 | M12 | 44 | 24 | 19 |
| SK-40AO | 17 | 14 | 19 | M16 | 54 | 26 | 20 |
| SK-50AO | 25 | 21 | 28 | M24 | 74 | 34 | 25 |
| SK-30B | 13 | 9 | 13 | M12 | 44 | 24 | 19 |
| SK-40B | 17 | 14 | 19 | M16 | 54 | 26 | 20 |
| SK-50B | 25 | 21 | 28 | M24 | 74 | 34 | 25 |

A: Through Hole, without O-Ring
B: Not Through Hole, with O-Ring
Other sizes can be made by request.

## ISO 7388 Pull Stud
## ISO 7388 拉钉

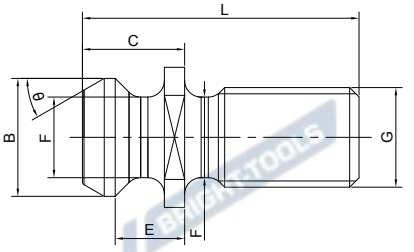





| Size | D3 | D2 | D1 | D | M | L | d |
|---|---|---|---|---|---|---|---|
| ISO7388-40A | 23 | 17 | 14 | 19 | M16 | 54 | 7 |
| ISO7388-50A | 38 | 25 | 21 | 28 | M24 | 74 | 10 |
| ISO7388-40B | 22.5 | 17 | 12.95 | 18.95 | M16 | 44.4 | 7.35 |
| ISO7388-50B | 37 | 25 | 19.6 | 29.1 | M24 | 66.55 | 11.55 |

## CAT Pull Stud
## CAT 拉钉

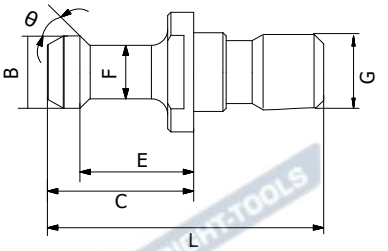





| Size | Type | G | θ | L | B | C | E | F |
|---|---|---|---|---|---|---|---|---|
| CAT40C-45 | A | 5/8"-11 | 45 | 1.5 | 0.74 | 0.64 | 0.44 | 0.49 |
| CAT50C-45 | A | 1"-8 | 45 | 2.3 | 1.14 | 1 | 0.7 | 0.82 |

## CAT Pull Stud
## CAT 拉钉

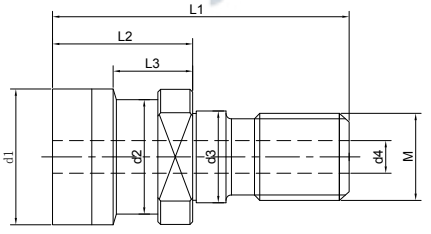





| Size | Type | G | θ | L | B | C | E | F |
|---|---|---|---|---|---|---|---|---|
| BT-CAT40C-45 | B | 5/8"-11 | 45 | 2.25 | 0.59 | 1.266 | 0.99 | 0.394 |
| BT-CAT40C-90 | B | 5/8"-11 | 90 | 2.25 | 0.59 | 1.266 | 0.99 | 0.394 |
| BT-CAT50C-45 | B | 1"-8 | 45 | 3.094 | 0.906 | 1.771 | 1.378 | 0.669 |
| BT-CAT50C-90 | B | 1"-8 | 90 | 3.094 | 0.906 | 1.771 | 1.378 | 0.669 |

## OTT Pull Stud
## OTT 拉杆

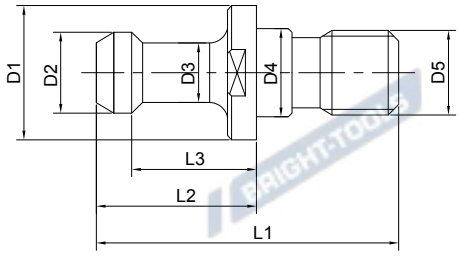





| Size | M | d1 | d2 | d3 | d4 | l3 | l2 | l1 |
|---|---|---|---|---|---|---|---|---|
| OTT40 | M16 | 25 | 21.1 | 17 | 7 | 13.6 | 25.1 | 53 |
| OTT50 | M24 | 39.6 | 30.2 | 25 | 7 | 13.3 | 25.1 | 65.1 |

## ISO Pull Stud
## ISO 拉钉

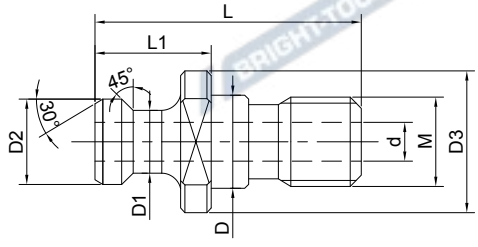





| Size | L1 | L2 | L3 | D1 | D2 | D3 | D4 | D5 |
|---|---|---|---|---|---|---|---|---|
| ISO20 | 26 | 12 | 9 | 12 | 9 | 6 | 8.5 | M8 |
| ISO25 | 28 | 12 | 9 | 13 | 11 | 7 | 8.5 | M8 |
| ISO30 | 44 | 24 | 19 | 17 | 13 | 9 | 13 | M12 |

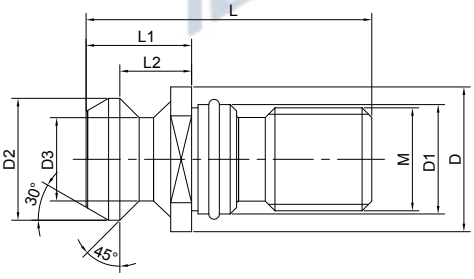
## Mazak Pull Stud
## 马扎克拉钉






| Size | L | L1 | D2 | D1 | D3 | D | d | M |
|---|---|---|---|---|---|---|---|---|
| Mazak-BT40C | 44.1 | 19.1 | 18.8 | 12.45 | 22 | 17 | 7 | M16 |
| Mazak-BT50C | 65.2 | 25.2 | 29 | 20.83 | 37 | 25 | 10 | M24 |
| Mazak-BT40CO | 44.1 | 19.1 | 18.8 | 12.45 | 22 | 17 | 7 | M16 |
| Mazak-BT50CO | 65.2 | 25.2 | 29 | 20.83 | 37 | 25 | 10 | M24 |






| Size | D | D1 | D2 | D3 | L | L1 | L2 | M |
|---|---|---|---|---|---|---|---|---|
| Mazak-CAT40C | 22 | 17 | 18.79 | 12.5 | 41.25 | 16.25 | 11.17 | M16 |
| Mazak-CAT50C | 35.6 | 25 | 28.95 | 20.82 | 65.4 | 25.4 | 17.78 | M24 |
| Mazak-CAT40CO | 22 | 17 | 18.79 | 12.5 | 41.25 | 16.25 | 11.17 | M16 |
| Mazak-CAT50CO | 35.6 | 25 | 28.95 | 20.82 | 65.4 | 25.4 | 17.78 | M24 |

# ER Nut
# ER 压帽



## UM

| Size | D | d | L | M |
|---|---|---|---|---|
| ER16UM | 32 | 26 | 17.5 | M22X1.5 |
| ER20UM | 35 | 29 | 19 | M25X1.5 |
| ER25UM | 42 | 36 | 20 | M32X1.5 |
| ER32UM | 50 | 44 | 22.5 | M40X1.5 |
| ER40UM | 63 | 57 | 25.5 | M50X1.5 |
| ER50UM | 78 | 71 | 35.5 | M64X2 |

## Hex

| Size | D | d | L | M |
|---|---|---|---|---|
| ER11A | 19 | 17 | 11.3 | M14X0.75 |
| ER16A | 28 | 25 | 17.5 | M22X1.5 |
| ER20A | 34 | 30 | 19 | M25X1.5 |

## Mini

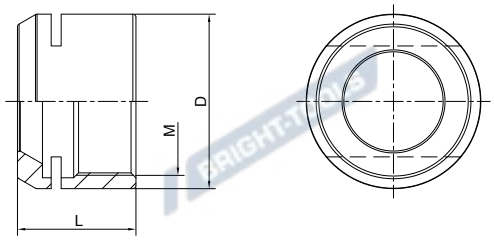
| Size | D | d | L | M |
|---|---|---|---|---|
| ER8M | 12 | 10 | 10 | M10X0.75 |
| ER11M | 16 | 12 | 12 | M13X0.75 |
| ER16M | 22 | 17.2 | 18 | M19X1 |
| ER20M | 28 | 22.5 | 19 | M24X1 |
| ER25M | 35 | 28.6 | 20 | M30X1 |

## SW

| Size | SW | M |
|---|---|---|
| ER25SW | 27 | M32X1.5 |
| ER32SW | 34 | M40X1.5 |

# ER Nut
# ER 压帽

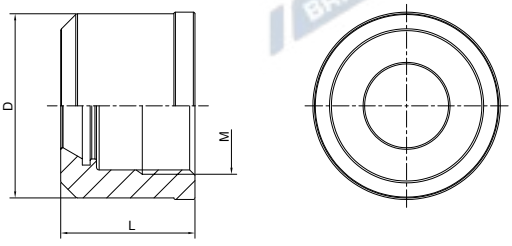





MS

| Size | D | L | M |
|---|---|---|---|
| ER11MS | 16 | 12 | M13*0.75 |
| ER16MS | 22 | 17 | M19*1.0 |
| ER20MS | 28 | 19 | M24*1.0 |
| ER25MS | 35 | 20 | M30*1.0 |



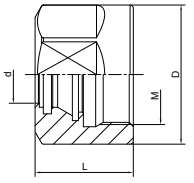


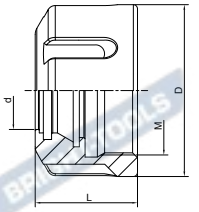

GER

| Size | D | L | M |
|---|---|---|---|
| GER16 | 27 | 19 | TM22*1.5 |
| GER20 | 30 | 22 | TM26*1.5 |
| GER25 | 40 | 25.9 | TM32*1.5 |
| GER32 | 48 | 24.5 | TM40*1.5 |

## ER Sealed Nut
## ERS 止水压帽





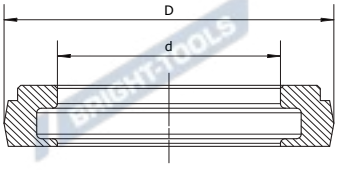




Sealed Nut

| Size | D | d | L | M |
|---|---|---|---|---|
| ERS16 | 32 | 11 | 22.5 | M22×1.5 |
| ERS20 | 34 | 14 | 24 | M25×1.5 |
| ERS25 | 42 | 19 | 25 | M32×1.5 |
| ERS32 | 50 | 24 | 27.5 | M40×1.5 |
| ERS40 | 63 | 30 | 30.5 | M50×1.5 |

## Sealing Disc
## 止水垫圈






| Size | d | D |
|---|---|---|
| ERS16-3 | 3 | 13 |
| ERS16-4 | 4 | 13 |
| ERS16-5 | 5 | 13 |
| ERS16-6 | 6 | 13 |
| ERS16-7 | 7 | 13 |
| ERS16-8 | 8 | 13 |
| ERS16-9 | 9 | 13 |
| ERS16-10 | 10 | 13 |
| | | |
| ERS20-3 | 3 | 16 |
| ERS20-4 | 4 | 16 |
| ERS20-5 | 5 | 16 |
| ERS20-6 | 6 | 16 |
| ERS20-7 | 7 | 16 |
| ERS20-8 | 8 | 16 |
| ERS20-9 | 9 | 16 |
| ERS20-10 | 10 | 16 |
| ERS20-11 | 11 | 16 |
| ERS20-12 | 12 | 16 |
| ERS20-13 | 13 | 16 |

| Size | d | D |
|---|---|---|
| ERS25-3 | 3 | 20.7 |
| ERS25-4 | 4 | 20.7 |
| ERS25-5 | 5 | 20.7 |
| ERS25-6 | 6 | 20.7 |
| ERS25-7 | 7 | 20.7 |
| ERS25-8 | 8 | 20.7 |
| ERS25-9 | 9 | 20.7 |
| ERS25-10 | 10 | 20.7 |
| ERS25-11 | 11 | 20.7 |
| ERS25-12 | 12 | 20.7 |
| ERS25-13 | 13 | 20.7 |
| ERS25-14 | 14 | 20.7 |
| ERS25-15 | 15 | 20.7 |
| ERS25-16 | 16 | 20.7 |
| | | |
| ERS32-3 | 3 | 27 |
| ERS32-4 | 4 | 27 |
| ERS32-5 | 5 | 27 |
| ERS32-6 | 6 | 27 |
| ERS32-7 | 7 | 27 |

| Size | d | D |
|---|---|---|
| ERS32-8 | 8 | 27 |
| ERS32-9 | 9 | 27 |
| ERS32-10 | 10 | 27 |
| ERS32-11 | 11 | 27 |
| ERS32-12 | 12 | 27 |
| ERS32-13 | 13 | 27 |
| ERS32-14 | 14 | 27 |
| ERS32-15 | 15 | 27 |
| ERS32-16 | 16 | 27 |
| ERS32-17 | 17 | 27 |
| ERS32-18 | 18 | 27 |
| ERS32-19 | 19 | 27 |
| ERS32-20 | 20 | 27 |
| | | |
| ERS40-3 | 3 | 33.5 |
| ERS40-4 | 4 | 33.5 |
| ERS40-5 | 5 | 33.5 |
| ERS40-6 | 6 | 33.5 |
| ERS40-7 | 7 | 33.5 |
| ERS40-8 | 8 | 33.5 |

| Size | d | D |
|---|---|---|
| ERS40-9 | 9 | 33.5 |
| ERS40-10 | 10 | 33.5 |
| ERS40-11 | 11 | 33.5 |
| ERS40-12 | 12 | 33.5 |
| ERS40-13 | 13 | 33.5 |
| ERS40-14 | 14 | 33.5 |
| ERS40-15 | 15 | 33.5 |
| ERS40-16 | 16 | 33.5 |
| ERS40-17 | 17 | 33.5 |
| ERS40-18 | 18 | 33.5 |
| ERS40-19 | 19 | 33.5 |
| ERS40-20 | 20 | 33.5 |
| ERS40-21 | 21 | 33.5 |
| ERS40-22 | 22 | 33.5 |
| ERS40-23 | 23 | 33.5 |
| ERS40-24 | 24 | 33.5 |
| ERS40-25 | 25 | 33.5 |
| ERS40-26 | 26 | 33.5 |

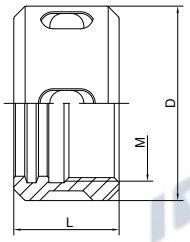
# Sealing Disc Set
# 止水垫片套装



| Size | Collet Diameter | PCS/SET |
|---|---|---|
| ERS16-8 PCS | 3,4,5,6,7,8,9,10 | 8 |
| ERS20-11 PCS | 3,4,5,6,7,8,9,10,11,12,13 | 11 |
| ERS25-14 PCS | 3,4,5,6,7,8,9,10,11,12,13,14,15,16 | 14 |
| ERS32-18 PCS | 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 18 |
| ERS40-24 PCS | 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21, 22,23,24,25,26 | 24 |

## OZ Nut
## OZ 压帽

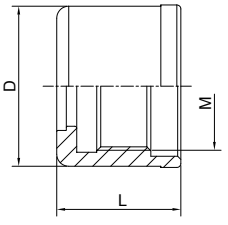


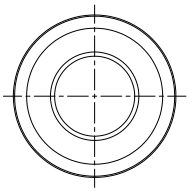



| Size | D | L | M |
|---|---|---|---|
| OZ6 | 18 | 14 | M14X1.0 |
| OZ8 | 26 | 19 | M20X1.5 |
| OZ10 | 30 | 19 | M22X1.5 |
| OZ12 | 35 | 20 | M27X1.5 |
| OZ16 | 43 | 24 | M33X1.5 |
| OZ20 | 50 | 28 | M42X2.0 |
| OZ25 | 60 | 30 | M48X2.0 |
| OZ32 | 72 | 33.5 | M60X2.5 |
| OZ40 | 85 | 37 | M68X2.5 |
| OZ50 | 100 | 43 | M80X2.5 |

## SKS Nut
## SKS 无风阻压帽



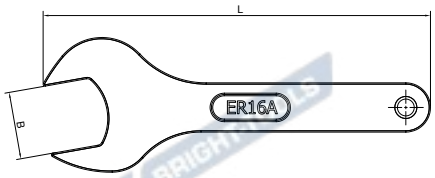


| Size | D | L | M |
|---|---|---|---|
| SK06 | 19.5 | 21 | M15.5*1.0 |
| SK10 | 27 | 24 | M21.5*1.0 |
| SK16 | 40 | 31 | M32*1.5 |
| SK20 | 48 | 24 | M40*1 |
| SK25 | 55 | 37 | M45*1.5 |

# ER Spanner
# ER 扳手

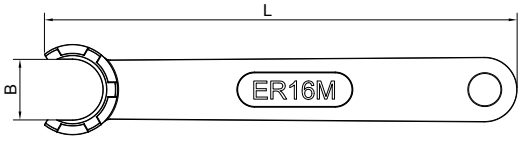





## Hex

| Size | B | L | Nut |
|---|---|---|---|
| ER11A | 17.5 | 122 | ER11-A |
| ER16A | 26 | 147 | ER16-A |
| ER20A | 30.3 | 159 | ER20-A |



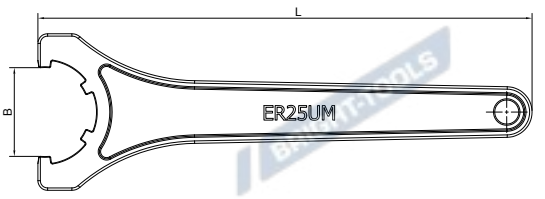



## Mini

| Size | B | L | Nut |
|---|---|---|---|
| ER8M | 6 | 75 | ER8-M |
| ER11M | 10 | 97 | ER11-M |
| ER16M | 15 | 118 | ER16-M |
| ER20M | 19 | 130 | ER20-M |
| ER25M | 25 | 150 | ER25-M |

# ER Spanner
# ER 扳手

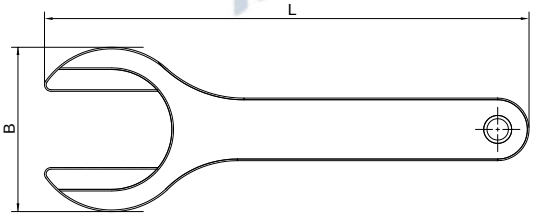





## UM

| Size | B | L | Nut |
|---|---|---|---|
| ER16UM | 27 | 212 | ER16-UM |
| ER20UM | 30.7 | 207 | ER20-UM |
| ER25UM | 37 | 207 | ER25-UM |
| ER32UM | 45 | 252 | ER32-UM |
| ER40UM | 58 | 286 | ER40-UM |
| ER50UM | 71 | 350 | ER50-UM |



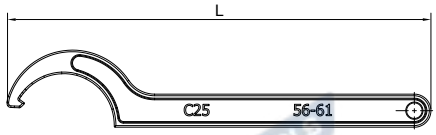



## MS

| Size | B | L |
|---|---|---|
| ER8MS | 19 | 76 |
| ER11MS | 10 | 100 |
| ER16MS | 15 | 130 |
| ER20MS | 18 | 160 |
| ER25MS | 23 | 200 |

## Hook Spanner
## 勾头扳手

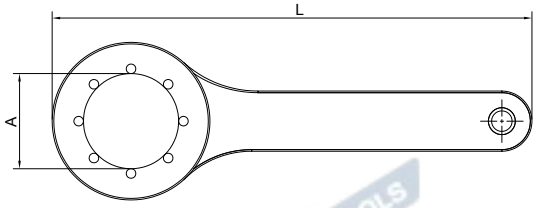





| Size | L | Range |
|---|---|---|
| C20 | 247 | 50-55 |
| C25 | 264 | 56-61 |
| C32 | 291 | 68-73 |
| C42 | 346 | 88-96 |

## Ball Spanner
## 滚珠扳手

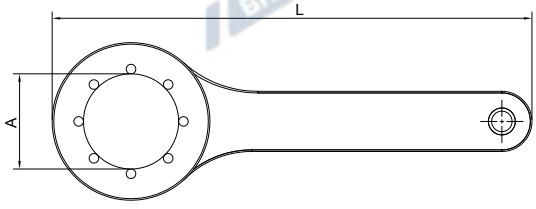





| Size | A | L |
|---|---|---|
| SKS06C19 | 19 | 150 |
| SKS10C27 | 27 | 150 |
| SKS16C30 | 30 | 150 |
| SKS20C35 | 35 | 170 |
| SKS16C40 | 40 | 180 |
| SKS20C48 | 48 | 210 |
| SKS25C55 | 55 | 260 |

## Ball Spanner
## 滚珠扳手

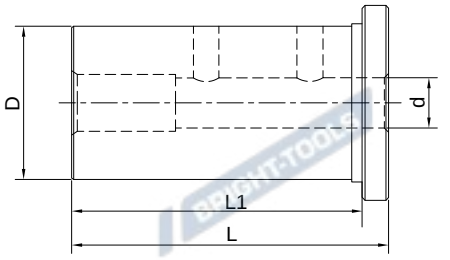





| Size | A | L |
|---|---|---|
| CT16-45 | 45 | 214 |
| CT20-52 | 52 | 221 |
| CT25-61 | 61 | 230 |
| CT32-73 | 73 | 279 |
| CT42-88 | 88 | 287 |

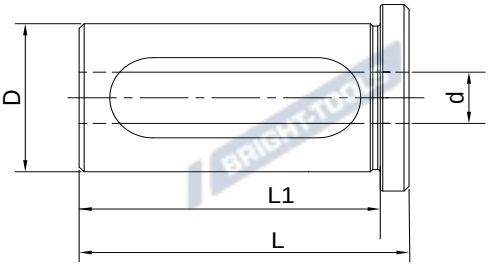
# Reduction Sleeve for Boring Bar Holder
## 镗刀减径套






| Size | d | D | L | L1 |
|---|---|---|---|---|
| SL20-06 | 6 | 20 | 50 | 46 |
| SL20-08 | 8 | 20 | 50 | 46 |
| SL20-10 | 10 | 20 | 50 | 46 |
| SL20-12 | 12 | 20 | 50 | 46 |
| SL20-14 | 14 | 20 | 50 | 46 |
| SL20-16 | 16 | 20 | 50 | 46 |
| SL25-06 | 6 | 25 | 50 | 46 |
| SL25-08 | 8 | 25 | 50 | 46 |
| SL25-10 | 10 | 25 | 50 | 46 |
| SL25-12 | 12 | 25 | 50 | 46 |
| SL32-06 | 6 | 32 | 61 | 56 |
| SL32-08 | 8 | 32 | 61 | 56 |
| SL32-10 | 10 | 32 | 61 | 56 |
| SL32-12 | 12 | 32 | 61 | 56 |
| SL40-06 | 6 | 40 | 76 | 71 |
| SL40-08 | 8 | 40 | 76 | 71 |
| SL40-10 | 10 | 40 | 76 | 71 |
| SL40-12 | 12 | 40 | 76 | 71 |

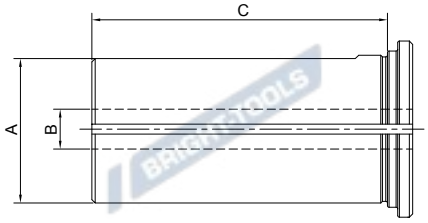





| Size | d | D | L | L1 |
|---|---|---|---|---|
| SL25-16 | 16 | 25 | 50 | 46 |
| SL25-20 | 20 | 25 | 50 | 46 |
| SL32-16 | 16 | 32 | 61 | 56 |
| SL32-20 | 20 | 32 | 61 | 56 |
| SL32-25 | 25 | 32 | 61 | 56 |
| SL40-16 | 16 | 40 | 76 | 71 |
| SL40-20 | 20 | 40 | 76 | 71 |
| SL40-25 | 25 | 40 | 76 | 71 |
| SL40-32 | 32 | 40 | 76 | 71 |

# Tool Holder Bushing B Type
## 车床刀套 B 型



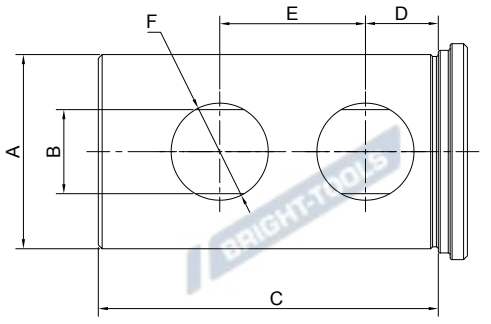



| Size | A(OD) | B(ID) | C |
|---|---|---|---|
| B 3/4"x1/4" | 3/4" | 1/4 | 1-1/2 |
| B 3/4"x5/16" | 3/4" | 5/16 | 1-1/2 |
| B 3/4"x3/8" | 3/4" | 3/8 | 1-1/2 |
| B 3/4"x1/2" | 3/4" | 1/2 | 1-1/2 |
| B 1"x5/16" | 1" | 5/16 | 1-3/4 |
| B 1"x3/8" | 1" | 3/8 | 1-3/4 |
| B 1"x1/2" | 1" | 1/2 | 1-3/4 |
| B 1"x5/8" | 1" | 5/8 | 1-3/4 |
| B 1"x3/4" | 1" | 3/4 | 1-3/4 |
| B 1-1/4"x3/8" | 1-1/4" | 3/8 | 2-1/8 |
| B 1-1/4"x1/2" | 1-1/4" | 1/2 | 2-1/8 |
| B 1-1/4"x5/8" | 1-1/4" | 5/8 | 2-1/8 |
| B 1-1/4"x3/4" | 1-1/4" | 3/4 | 2-1/8 |
| B 1-1/4"x7/8" | 1-1/4" | 7/8 | 2-1/8 |
| B 1-1/4"x1" | 1-1/4" | 1 | 2-1/8 |
| B 1-1/2"x3/8" | 1-1/2" | 3/8 | 2-1/2 |
| B 1-1/2"x1/2" | 1-1/2" | 1/2 | 2-1/2 |
| B 1-1/2"x5/8" | 1-1/2" | 5/8 | 2-1/2 |
| B 1-1/2"x3/4" | 1-1/2" | 3/4 | 2-1/2 |
| B 1-1/2"x7/8" | 1-1/2" | 7/8 | 2-1/2 |
| B 1-1/2"x1" | 1-1/2" | 1 | 2-1/2 |
| B 1-1/2"x1-1/4" | 1-1/2" | 1-1/4 | 2-1/2 |
| B 1-3/4"x1/2" | 1-3/4" | 1/2 | 3 |
| B 1-3/4"x5/8" | 1-3/4" | 5/8 | 3 |
| B 1-3/4"x3/4" | 1-3/4" | 3/4 | 3 |
| B 1-3/4"x7/8" | 1-3/4" | 7/8 | 3 |
| B 1-3/4"x1" | 1-3/4" | 1 | 3 |
| B 1-3/4"x1-1/4" | 1-3/4" | 1-1/4 | 3 |
| B 1-3/4"x1-1/2" | 1-3/4" | 1-1/2 | 3 |

| Size | A(OD) | B(ID) | C |
|---|---|---|---|
| B 2"x1/2" | 2" | 1/2 | 3-1/2 |
| B 2"x5/8" | 2" | 5/8 | 3-1/2 |
| B 2"x3/4" | 2" | 3/4 | 3-1/2 |
| B 2"x7/8" | 2" | 7/8 | 3-1/2 |
| B 2"x1" | 2" | 1 | 3-1/2 |
| B 2"x1-1/4" | 2" | 1-1/4 | 3-1/2 |
| B 2"x1-1/2" | 2" | 1-1/2 | 3-1/2 |
| B 2"x1-3/4" | 2" | 1-3/4 | 3-1/2 |
| B 2-1/2"x1/2" | 2-1/2" | 1/2 | 4 |
| B 2-1/2"x5/8" | 2-1/2" | 5/8 | 4 |
| B 2-1/2"x3/4" | 2-1/2" | 3/4 | 4 |
| B 2-1/2"x7/8" | 2-1/2" | 7/8 | 4 |
| B 2-1/2"x1" | 2-1/2" | 1 | 4 |
| B 2-1/2"x1-1/4" | 2-1/2" | 1-1/4 | 4 |
| B 2-1/2"x1-1/2" | 2-1/2" | 1-1/2 | 4 |
| B 2-1/2"x1-3/4" | 2-1/2" | 1-3/4 | 4 |
| B 2-1/2"x2" | 2-1/2" | 2 | 4 |
| B 2-1/2"x2-1/4" | 2-1/2" | 2-1/4 | 4 |
| B 3"x1-1/4" | 3" | 1 | 4-1/2 |
| B 3"x1-1/2" | 3" | 1-1/4 | 4-1/2 |
| B 3"x1-3/4" | 3" | 1-1/2 | 4-1/2 |
| B 3-1/2"x1/2" | 3" | 1-3/4 | 4-1/2 |
| B 3-1/2"x5/8" | 3" | 2 | 4-1/2 |
| B 3-1/2"x3/4" | 3" | 2-1/4 | 4-1/2 |
| B 3-1/2"x7/8" | 3" | 2-1/2 | 4-1/2 |
| B 3-1/2"x1" | 3-1/2" | 1 | 5-1/4 |
| B 3-1/2"x1-1/4" | 3-1/2" | 1-1/4 | 5-1/4 |
| B 3-1/2"x1-1/2" | 3-1/2" | 1-1/2 | 5-1/4 |
| B 3-1/2"x1-3/4" | 3-1/2" | 1-3/4 | 5-1/4 |
| B 3-1/2"x2" | 3-1/2" | 2 | 5-1/4 |
| B 3-1/2"x2-1/4" | 3-1/2" | 2-1/4 | 5-1/4 |
| B 3-1/2"x2-1/2" | 3-1/2" | 2-1/2 | 5-1/4 |
| B 3-1/2"x3" | 3-1/2" | 3 | 5-1/4 |

# Tool Holder Bushing J Type
# 车床刀套 J 型

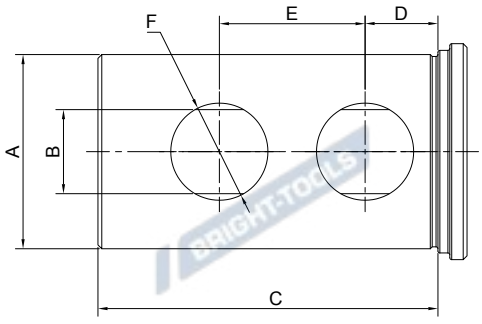





| Size | A(OD) | B(ID) | C | D | E | F | Holes No. |
|---|---|---|---|---|---|---|---|
| J 3/4"x1/4" | 3/4" | 1/4 | 1-1/2 | 3/9 | 13/16 | 3/8 | 2 |
| J 3/4"x5/16" | 3/4" | 5/16 | 1-1/2 | 3/9 | 13/16 | 3/8 | 2 |
| J 3/4"x3/8" | 3/4" | 3/8 | 1-1/2 | 3/9 | 13/16 | 3/8 | 2 |
| J 3/4"x1/2" | 3/4" | 1/2 | 1-1/2 | 3/9 | 13/16 | 3/8 | 2 |
| J 1"x3/8" | 1" | 3/8 | 1-3/4 | 7/16 | 7/8 | 5/8 | 2 |
| J 1"x1/2" | 1" | 1/2 | 1-3/4 | 7/16 | 7/8 | 5/8 | 2 |
| J 1"x5/8" | 1" | 5/8 | 1-3/4 | 7/16 | 7/8 | 5/8 | 2 |
| J 1"x3/4" | 1" | 3/4 | 1-3/4 | 7/16 | 7/8 | 5/8 | 2 |
| J 1-1/4"x3/8" | 1-1/4" | 3/8 | 2-1/8 | 5/8 | 1 | 3/4 | 2 |
| J 1-1/4"x1/2" | 1-1/4" | 1/2 | 2-1/8 | 5/8 | 1 | 3/4 | 2 |
| J 1-1/4"x5/8" | 1-1/4" | 5/8 | 2-1/8 | 5/8 | 1 | 3/4 | 2 |
| J 1-1/4"x3/4" | 1-1/4" | 3/4 | 2-1/8 | 5/8 | 1 | 3/4 | 2 |
| J 1-1/4"x7/8" | 1-1/4" | 7/8 | 2-1/8 | 5/8 | 1 | 3/4 | 2 |
| J 1-1/4"x1" | 1-1/4" | 1 | 2-1/8 | 5/8 | 1 | 3/4 | 2 |
| J 1-1/2"x3/8" | 1-1/2" | 3/8 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| J 1-1/2"x1/2" | 1-1/2" | 1/2 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| J 1-1/2"x5/8" | 1-1/2" | 5/8 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| J 1-1/2"x3/4" | 1-1/2" | 3/4 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| J 1-1/2"x7/8" | 1-1/2" | 7/8 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| J 1-1/2"x1" | 1-1/2" | 1 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| J 1-1/2"x1-1/4" | 1-1/2" | 1-1/4 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| J 1-3/4"x1/2" | 1-3/4" | 1/2 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| J 1-3/4"x5/8" | 1-3/4" | 5/8 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| J 1-3/4"x3/4" | 1-3/4" | 3/4 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| J 1-3/4"x7/8" | 1-3/4" | 7/8 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| J 1-3/4"x1" | 1-3/4" | 1 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| J 1-3/4"x1-1/4" | 1-3/4" | 1-1/4 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| J 1-3/4"x1-1/2" | 1-3/4" | 1-1/2 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| J 2"x1/2" | 2" | 1/2 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| J 2"x5/8" | 2" | 5/8 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| J 2"x3/4" | 2" | 3/4 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| J 2"x7/8" | 2" | 7/8 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| J 2"x1" | 2" | 1 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |

# Tool Holder Bushing J Type
# 车床刀套 J 型

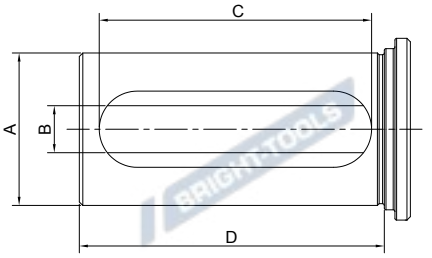





| Size | A(OD) | B(ID) | C | D | E | F | Holes No. |
|---|---|---|---|---|---|---|---|
| J 2"x1-1/4" | 2" | 1-1/4 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| J 2"x1-1/2" | 2" | 1-1/2 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| J 2"x1-3/4" | 2" | 1-3/4 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| J 2-1/2"x1/2" | 2-1/2" | 1/2 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| J 2-1/2"x5/8" | 2-1/2" | 5/8 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| J 2-1/2"x3/4" | 2-1/2" | 3/4 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| J 2-1/2"x7/8" | 2-1/2" | 7/8 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| J 2-1/2"x1" | 2-1/2" | 1 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| J 2-1/2"x1-1/4" | 2-1/2" | 1-1/4 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| J 2-1/2"x1-1/2" | 2-1/2" | 1-1/2 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| J 2-1/2"x1-3/4" | 2-1/2" | 1-3/4 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| J 2-1/2"x2" | 2-1/2" | 2 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| J 2-1/2"x2-1/4" | 2-1/2" | 2-1/4 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| J 3"x1" | 3" | 1 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| J 3"x1-1/4" | 3" | 1-1/4 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| J 3"x1-1/2" | 3" | 1-1/2 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| J 3"x1-3/4" | 3" | 1-3/4 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| J 3"x2" | 3" | 2 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| J 3"x2-1/4" | 3" | 2-1/4 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| J 3"x2-1/2" | 3" | 2-1/2 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| J 3-1/2"x1" | 3-1/2" | 1 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| J 3-1/2"x1-1/4" | 3-1/2" | 1-1/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| J 3-1/2"x1-1/2" | 3-1/2" | 1-1/2 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| J 3-1/2"x1-3/4" | 3-1/2" | 1-3/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| J 3-1/2"x2" | 3-1/2" | 2 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| J 3-1/2"x2-1/4" | 3-1/2" | 2-1/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| J 3-1/2"x2-1/2" | 3-1/2" | 2-1/2 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| J 3-1/2"x3" | 3-1/2" | 3 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |

# Tool Holder Bushing C Type
# 车床刀套 C 型

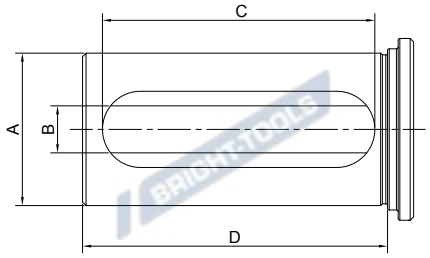





| Size | A(OD) | B(ID) | C | D | Holes No. |
|---|---|---|---|---|---|
| C 3/4"x1/4" | 3/4" | 1/4 | 1-1/2 | 2 | 1 |
| C 3/4"x5/16" | 3/4" | 5/16 | 1-1/2 | 2 | 1 |
| C 3/4"x3/8" | 3/4" | 3/8 | 1-1/2 | 2 | 1 |
| C 3/4"x1/2" | 3/4" | 1/2 | 1-1/2 | 2 | 1 |
| C 1"x1/4" | 1" | 1/4 | 2-3/8 | 2-3/4 | 1 |
| C 1"x5/16" | 1" | 5/16 | 2-3/8 | 2-3/4 | 1 |
| C 1"x3/8" | 1" | 3/8 | 2-3/8 | 2-3/4 | 1 |
| C 1"x1/2" | 1" | 1/2 | 2-3/8 | 2-3/4 | 1 |
| C 1"x5/8" | 1" | 5/8 | 2-3/8 | 2-3/4 | 1 |
| C 1"x3/4" | 1" | 3/4 | 2-3/8 | 2-3/4 | 1 |
| C 1-1/4"x3/8" | 1-1/4" | 3/8 | 2-3/4 | 3-1/4 | 1 |
| C 1-1/4"x1/2" | 1-1/4" | 1/2 | 2-3/4 | 3-1/4 | 1 |
| C 1-1/4"x5/8" | 1-1/4" | 5/8 | 2-3/4 | 3-1/4 | 1 |
| C 1-1/4"x3/4" | 1-1/4" | 3/4 | 2-3/4 | 3-1/4 | 1 |
| C 1-1/4"x7/8" | 1-1/4" | 7/8 | 2-3/4 | 3-1/4 | 1 |
| C 1-1/4"x1" | 1-1/4" | 1 | 2-3/4 | 3-1/4 | 1 |
| C 1-1/2"x3/8" | 1-1/2" | 3/8 | 3 | 3-3/8 | 1 |
| C 1-1/2"x1/2" | 1-1/2" | 1/2 | 3 | 3-3/8 | 1 |
| C 1-1/2"x5/8" | 1-1/2" | 5/8 | 3 | 3-3/8 | 1 |
| C 1-1/2"x3/4" | 1-1/2" | 3/4 | 3 | 3-3/8 | 1 |
| C 1-1/2"x7/8" | 1-1/2" | 7/8 | 3 | 3-3/8 | 1 |
| C 1-1/2"x1" | 1-1/2" | 1 | 3 | 3-3/8 | 1 |
| C 1-1/2"x1-1/4" | 1-1/2" | 1-1/4 | 3 | 3-3/8 | 1 |
| C 1-3/4"x1/2" | 1-3/4" | 1/2 | 3-1/8 | 3-1/2 | 1 |
| C 1-3/4"x5/8" | 1-3/4" | 5/8 | 3-1/8 | 3-1/2 | 1 |
| C 1-3/4"x3/4" | 1-3/4" | 3/4 | 3-1/8 | 3-1/2 | 1 |
| C 1-3/4"x7/8" | 1-3/4" | 7/8 | 3-1/8 | 3-1/2 | 1 |
| C 1-3/4"x1" | 1-3/4" | 1 | 3-1/8 | 3-1/2 | 1 |
| C 1-3/4"x1-1/4" | 1-3/4" | 1-1/4 | 3-1/8 | 3-1/2 | 1 |
| C 1-3/4"x1-1/2" | 1-3/4" | 1-1/2 | 3-1/8 | 3-1/2 | 1 |
| C 2"x1-1/2" | 2" | 1/2 | 3-5/8 | 4 | 1 |
| C 2"x5/8" | 2" | 5/8 | 3-5/8 | 4 | 1 |
| C 2"x3/4" | 2" | 3/4 | 3-5/8 | 4 | 1 |
| C 2"x1" | 2" | 1 | 3-5/8 | 4 | 1 |

# Tool Holder Bushing C Type
# 车床刀套 C 型

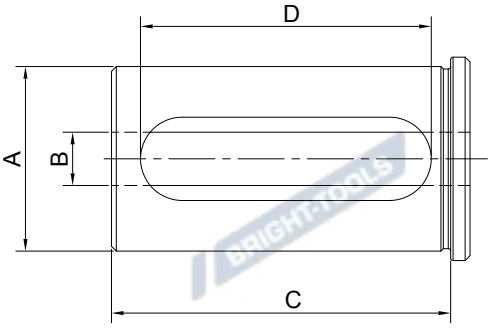





| Size | A(OD) | B(ID) | C | D | Holes No. |
|---|---|---|---|---|---|
| C 2"x1-1/4" | 2" | 1-1/4 | 3-5/8 | 4 | 1 |
| C 2"x1-1/2" | 2" | 1-1/2 | 3-5/8 | 4 | 1 |
| C 2"x1-3/4" | 2" | 1-3/4 | 3-5/8 | 4 | 1 |
| C 2-1/2"x1/2" | 2-1/2" | 1/2 | 4-1/8 | 4-1/2 | 1 or 2 |
| C 2-1/2"x5/8" | 2-1/2" | 5/8 | 4-1/8 | 4-1/2 | 1 or 2 |
| C 2-1/2"x3/4" | 2-1/2" | 3/4 | 4-1/8 | 4-1/2 | 1 or 2 |
| C 2-1/2"x7/8" | 2-1/2" | 7/8 | 4-1/8 | 4-1/2 | 1 or 2 |
| C 2-1/2"x1" | 2-1/2" | 1 | 4-1/8 | 4-1/2 | 1 or 2 |
| C 2-1/2"x1-1/4" | 2-1/2" | 1-1/4 | 4-1/8 | 4-1/2 | 1 or 2 |
| C 2-1/2"x1-1/2" | 2-1/2" | 1-1/2 | 4-1/8 | 4-1/2 | 1 or 2 |
| C 2-1/2"x1-3/4" | 2-1/2" | 1-3/4 | 4-1/8 | 4-1/2 | 1 or 2 |
| C 2-1/2"x2" | 2-1/2" | 2 | 4-1/8 | 4-1/2 | 1 or 2 |
| C 2-1/2"x2-1/4" | 2-1/2" | 2-1/4 | 4-1/8 | 4-1/2 | 1 or 2 |
| C 3"x1" | 3" | 1 | 4-5/8 | 5 | 1 or 2 |
| C 3"x1-1/4" | 3" | 1-1/4 | 4-5/8 | 5 | 1 or 2 |
| C 3"x1-1/2" | 3" | 1-1/2 | 4-5/8 | 5 | 1 or 2 |
| C 3"x1-3/4" | 3" | 1-3/4 | 4-5/8 | 5 | 1 or 2 |
| C 3"x2" | 3" | 2 | 4-5/8 | 5 | 1 or 2 |
| C 3"x2-1/4" | 3" | 2-1/4 | 4-5/8 | 5 | 1 or 2 |
| C 3"x2-1/2" | 3" | 2-1/2 | 4-5/8 | 5 | 1 or 2 |
| C 3-1/2"x1" | 3-1/2" | 1 | 5 | 5-3/4 | 1 or 2 |
| C 3-1/2"x1x1/4" | 3-1/2" | 1-1/4 | 5 | 5-3/4 | 1 or 2 |
| C 3-1/2"x1-1/2" | 3-1/2" | 1-1/2 | 5 | 5-3/4 | 1 or 2 |
| C 3-1/2"x1-3/4" | 3-1/2" | 1-3/4 | 5 | 5-3/4 | 1 or 2 |
| C 3-1/2"x2" | 3-1/2" | 2 | 5 | 5-3/4 | 1 or 2 |
| C 3-1/2"x2-1/4" | 3-1/2" | 2-1/4 | 5 | 5-3/4 | 1 or 2 |
| C 3-1/2"x2-1/2" | 3-1/2" | 2-1/2 | 5 | 5-3/4 | 1 or 2 |
| C 3-1/2"x3" | 3-1/2" | 3 | 5 | 5-3/4 | 1 or 2 |

# Tool Holder Bushing CV Type
# 车床刀套 CV 型

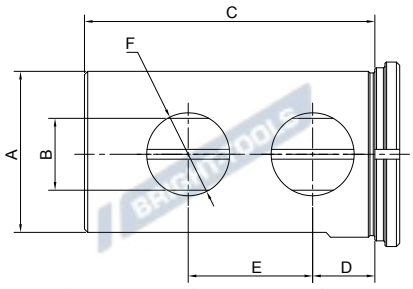





| Size | A(OD) | B(ID) | C | D |
|---|---|---|---|---|
| CV 1-1/4"x1/4" | 1-1/4" | 1/4 | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x3/8" | 1-1/4" | 3/8 | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x1/2" | 1-1/4" | 1/2 | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x5/8" | 1-1/4" | 5/8 | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x3/4" | 1-1/4" | 3/4 | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x7/8" | 1-1/4" | 7/8 | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x1" | 1-1/4" | 1 | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/2"x1/4" | 1-1/2" | 1/4 | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x3/8" | 1-1/2" | 3/8 | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x1/2" | 1-1/2" | 1/2 | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x5/8" | 1-1/2" | 5/8 | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x3/4" | 1-1/2" | 3/4 | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x7/8" | 1-1/2" | 7/8 | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x1" | 1-1/2" | 1 | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x1/4" | 1-1/2" | 1-1/4 | 2.76(70mm) | 2.36(60mm) |

# Tool Holder Bushing DD Type
## 车床刀套 DD 型

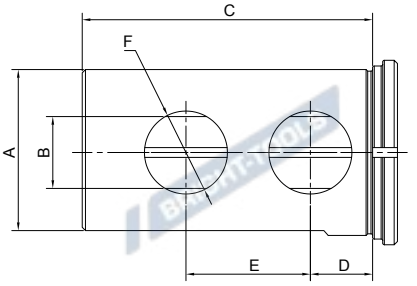





| Size | A(OD) | B(ID) | C | D | E | F | Holes No. |
|---|---|---|---|---|---|---|---|
| DD 1-1/2"x3/8" | 1-1/2" | 3/8 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| DD 1-1/2"x1/2" | 1-1/2" | 1/2 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| DD 1-1/2"x5/8" | 1-1/2" | 5/8 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| DD 1-1/2"x3/4" | 1-1/2" | 3/4 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| DD 1-1/2"x7/8" | 1-1/2" | 7/8 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| DD 1-1/2"x1" | 1-1/2" | 1 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| DD 1-1/2"x1-1/4" | 1-1/2" | 1-1/4 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2 |
| DD 1-3/4"x1/2" | 1-3/4" | 1/2 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| DD 1-3/4"x5/8" | 1-3/4" | 5/8 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| DD 1-3/4"x3/4" | 1-3/4" | 3/4 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| DD 1-3/4"x7/8" | 1-3/4" | 7/8 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| DD 1-3/4"x1" | 1-3/4" | 1 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| DD 1-3/4"x1-1/4" | 1-3/4" | 1-1/4 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| DD 1-3/4"x1-1/2" | 1-3/4" | 1-1/2 | 3 | 3/4 | 1-1/4 | 7/8 | 2 |
| DD 2"x1/2" | 2" | 1/2 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| DD 2"x5/8" | 2" | 5/8 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| DD 2"x3/4" | 2" | 3/4 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| DD 2"x7/8" | 2" | 7/8 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| DD 2"x1" | 2" | 1 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| DD 2"x1-1/4" | 2" | 1-1/4 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| DD 2"x1-1/2" | 2" | 1-1/2 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| DD 2"x1-3/4" | 2" | 1-3/4 | 3-1/2 | 3/4 | 1-1/2 | 1 | 2 |
| DD 2-1/2"x1/2" | 2-1/2" | 1/2 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| DD 2-1/2"x5/8" | 2-1/2" | 5/8 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| DD 2-1/2"x3/4" | 2-1/2" | 3/4 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| DD 2-1/2"x7/8" | 2-1/2" | 7/8 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| DD 2-1/2"x1" | 2-1/2" | 1 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| DD 2-1/2"x1-1/4" | 2-1/2" | 1-1/4 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| DD 2-1/2"x1-1/2" | 2-1/2" | 1-1/2 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| DD 2-1/2"x1-3/4" | 2-1/2" | 1-3/4 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| DD 2-1/2"x2" | 2-1/2" | 2 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |
| DD 2-1/2"x2-1/4" | 2-1/2" | 2-1/4 | 4 | 7/8 | 1-3/4 | 1-1/4 | 2 |

# Tool Holder Bushing DD Type
# 车床刀套 DD 型

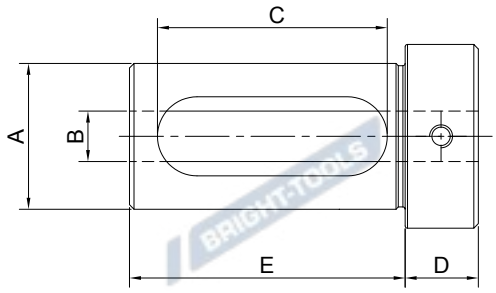





| Size | A(OD) | B(ID) | C | D | E | F | Holes No. |
|---|---|---|---|---|---|---|---|
| DD 3"x1" | 3" | 1 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| DD 3"x1-1/4" | 3" | 1-1/4 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| DD 3"x1-1/2" | 3" | 1-1/2 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| DD 3"x1-3/4" | 3" | 1-3/4 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| DD 3"x2" | 3" | 2 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| DD 3"x2-1/4" | 3" | 2-1/4 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| DD 3"x2-1/2" | 3" | 2-1/2 | 4-1/2 | 1 | 2 | 1-1/4 | 4 |
| DD 3-1/2"x1" | 3-1/2" | 1 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| DD 3-1/2"x1-1/4" | 3-1/2" | 1-1/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| DD 3-1/2"x1-1/2" | 3-1/2" | 1-1/2 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| DD 3-1/2"x1-3/4" | 3-1/2" | 1-3/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| DD 3-1/2"x2" | 3-1/2" | 2 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| DD 3-1/2"x2-1/4" | 3-1/2" | 2-1/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| DD 3-1/2"x2-1/2" | 3-1/2" | 2-1/2 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |
| DD 3-1/2"x3" | 3-1/2" | 3 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4 |

# Tool Holder Bushing Z Type
# 车床刀套 Z 型

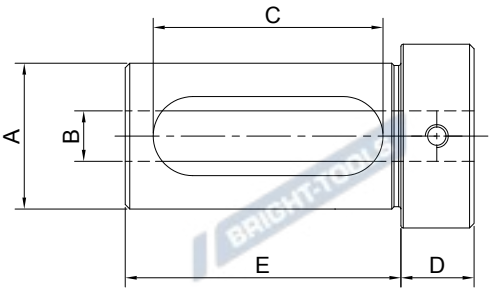





| Size | A(OD) | B(ID) | C | D | Holes No. |
|---|---|---|---|---|---|
| Z 3/4"x1/4" | 3/4" | 1/4 | 2-3/8 | 1/2 | 2-1/2 |
| Z 3/4"x5/16" | 3/4" | 5/16 | 2-3/8 | 1/2 | 2-1/2 |
| Z 3/4"x3/8" | 3/4" | 3/8 | 2-3/8 | 1/2 | 2-1/2 |
| Z 3/4"x1/2" | 3/4" | 1/2 | 2-3/8 | 1/2 | 2-1/2 |
| Z 1"x1/4" | 1" | 1/4 | 2-3/8 | 1/2 | 2-3/4 |
| Z 1"x5/16" | 1" | 5/16 | 2-3/8 | 1/2 | 2-3/4 |
| Z 1"x3/8" | 1" | 3/8 | 2-3/8 | 1/2 | 2-3/4 |
| Z 1"x1/2" | 1" | 1/2 | 2-3/8 | 1/2 | 2-3/4 |
| Z 1"x5/8" | 1" | 5/8 | 2-3/8 | 1/2 | 2-3/4 |
| Z 1"x3/4" | 1" | 3/4 | 2-3/8 | 1/2 | 2-3/4 |
| Z 1-1/4"x3/8" | 1-1/4" | 3/8 | 2-5/8 | 5/8 | 3 |
| Z 1-1/4"x1/2" | 1-1/4" | 1/2 | 2-5/8 | 5/8 | 3 |
| Z 1-1/4"x5/8" | 1-1/4" | 5/8 | 2-5/8 | 5/8 | 3 |
| Z 1-1/4"x3/4" | 1-1/4" | 3/4 | 2-5/8 | 5/8 | 3 |
| Z 1-1/4"x7/8" | 1-1/4" | 7/8 | 2-5/8 | 5/8 | 3 |
| Z 1-1/4"x1" | 1-1/4" | 1 | 2-5/8 | 5/8 | 3 |
| Z 1-1/2"x3/8" | 1-1/2" | 3/8 | 2-7/8 | 3/4 | 3-1/4 |
| Z 1-1/2"x1/2" | 1-1/2" | 1/2 | 2-7/8 | 3/4 | 3-1/4 |
| Z 1-1/2"x5/8" | 1-1/2" | 5/8 | 2-7/8 | 3/4 | 3-1/4 |
| Z 1-1/2"x3/4" | 1-1/2" | 3/4 | 2-7/8 | 3/4 | 3-1/4 |
| Z 1-1/2"x7/8" | 1-1/2" | 7/8 | 2-7/8 | 3/4 | 3-1/4 |
| Z 1-1/2"x1" | 1-1/2" | 1 | 2-7/8 | 3/4 | 3-1/4 |
| Z 1-1/2"x1-1/4" | 1-1/2" | 1-1/4 | 2-7/8 | 3/4 | 3-1/4 |
| Z 1-3/4"x1/2" | 1-3/4" | 1/2 | 3-1/8 | 3/4 | 3-1/2 |
| Z 1-3/4"x5/8" | 1-3/4" | 5/8 | 3-1/8 | 3/4 | 3-1/2 |
| Z 1-3/4"x3/4" | 1-3/4" | 3/4 | 3-1/8 | 3/4 | 3-1/2 |
| Z 1-3/4"x7/8" | 1-3/4" | 7/8 | 3-1/8 | 3/4 | 3-1/2 |
| Z 1-3/4"x1" | 1-3/4" | 1 | 3-1/8 | 3/4 | 3-1/2 |
| Z 1-3/4"x1-1/4" | 1-3/4" | 1-1/4 | 3-1/8 | 3/4 | 3-1/2 |
| Z 1-3/4"x1-1/2" | 1-3/4" | 1-1/2 | 3-1/8 | 3/4 | 3-1/2 |
| Z 2"x1/2" | 2" | 1/2 | 3-1/2 | 3/4 | 3-3/4 |
| Z 2"x5/8" | 2" | 5/8 | 3-1/2 | 3/4 | 3-3/4 |
| Z 2"x3/4" | 2" | 3/4 | 3-1/2 | 3/4 | 3-3/4 |
| Z 2"x7/8" | 2" | 7/8 | 3-1/2 | 3/4 | 3-3/4 |

# Tool Holder Bushing Z Type
# 车床刀套 Z 型






| Size | A(OD) | B(ID) | C | D | Holes No. |
|---|---|---|---|---|---|
| Z 2"x1" | 2" | 1 | 3-1/2 | 3/4 | 3-3/4 |
| Z 2"x1-1/4" | 2" | 1-1/4 | 3-1/2 | 3/4 | 3-3/4 |
| Z 2"x1-1/2" | 2" | 1-1/2 | 3-1/2 | 3/4 | 3-3/4 |
| Z 2"x1-3/4" | 2" | 1-3/4 | 3-1/2 | 3/4 | 3-3/4 |
| Z 2-1/2"x5/8" | 2-1/2" | 5/8 | 3-7/8 | 3/4 | 4-1/4 |
| Z 2-1/2"x3/4" | 2-1/2" | 3/4 | 3-7/8 | 3/4 | 4-1/4 |
| Z 2-1/2"x7/8" | 2-1/2" | 7/8 | 3-7/8 | 3/4 | 4-1/4 |
| Z 2-1/2"x1" | 2-1/2" | 1 | 3-7/8 | 3/4 | 4-1/4 |
| Z 2-1/2"x1-1/4" | 2-1/2" | 1-1/4 | 3-7/8 | 3/4 | 4-1/4 |
| Z 2-1/2"x1-1/2" | 2-1/2" | 1-1/2 | 3-7/8 | 3/4 | 4-1/4 |
| Z 2-1/2"x1-3/4" | 2-1/2" | 1-3/4 | 3-7/8 | 3/4 | 4-1/4 |
| Z 2-1/2"x2" | 2-1/2" | 2 | 3-7/8 | 3/4 | 4-1/4 |
| Z 2-1/2"x2-1/4" | 2-1/2" | 2-1/4 | 3-7/8 | 3/4 | 4-1/4 |
| Z 3"x1" | 3" | 1 | 4-3/8 | 3/4 | 4-3/4 |
| Z 3"x1-1/4" | 3" | 1-1/4 | 4-3/8 | 3/4 | 4-3/4 |
| Z 3"x1-1/2" | 3" | 1-1/2 | 4-3/8 | 3/4 | 4-3/4 |
| Z 3"x1-3/4" | 3" | 1-3/4 | 4-3/8 | 3/4 | 4-3/4 |
| Z 3"x2" | 3" | 2 | 4-3/8 | 3/4 | 4-3/4 |
| Z 3"x2-1/4" | 3" | 2-1/4 | 4-3/8 | 3/4 | 4-3/4 |
| Z 3"x2-1/2" | 3" | 2-1/2 | 4-3/8 | 3/4 | 4-3/4 |
| Z 3-1/2"x1-1/4" | 3-1/2" | 1-1/4 | 4-7/8 | 1 | 5-1/2 |
| Z 3-1/2"x1-1/2" | 3-1/2" | 1-1/2 | 4-7/8 | 1 | 5-1/2 |
| Z 3-1/2"x1-3/4" | 3-1/2" | 1-3/4 | 4-7/8 | 1 | 5-1/2 |
| Z 3-1/2"x2" | 3-1/2" | 2 | 4-7/8 | 1 | 5-1/2 |
| Z 3-1/2"x2-1/4" | 3-1/2" | 2-1/4 | 4-7/8 | 1 | 5-1/2 |
| Z 3-1/2"x2-1/2" | 3-1/2" | 2-1/2 | 4-7/8 | 1 | 5-1/2 |
| Z 3-1/2"x3" | 3-1/2" | 3 | 4-7/8 | 1 | 5-1/2 |
| Z 4"x1-1/2" | 4" | 1-1/2 | 5-5/8 | 1 | 6-1/4 |
| Z 4"x1-3/4" | 4" | 1-3/4 | 5-5/8 | 1 | 6-1/4 |
| Z 4"x2" | 4" | 2 | 5-5/8 | 1 | 6-1/4 |
| Z 4"x2-1/4" | 4" | 2-1/4 | 5-5/8 | 1 | 6-1/4 |
| Z 4"x2-1/2" | 4" | 2-1/2 | 5-5/8 | 1 | 6-1/4 |
| Z 4"x3" | 4" | 3 | 5-5/8 | 1 | 6-1/4 |

## Tool Holder Locking Device
## 刀柄锁刀座

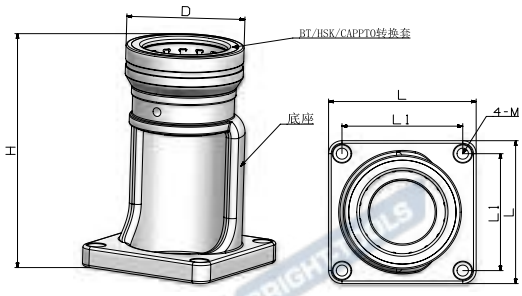




| Size | Dimension (mm) | Wt (kg) |
|---|---|---|
| BT30 | 168*88*110 | 2.7 |
| BT40 | 186*90*128 | 3.3 |
| BT50 | 280*138*180 | 8.3 |
| SK30(CAT30) | 168*88*110 | 2.7 |
| SK40(CAT40) | 186*90*128 | 3.3 |
| SK50(CAT50) | 280*138*180 | 8.3 |

## Tool Holder Locking Device
## 滚珠锁刀座

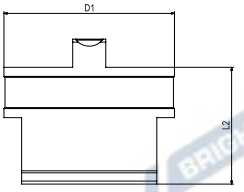





| Size | Tool Holder | D | H | L | L1 | M |
|---|---|---|---|---|---|---|
| TMS40-32 | HSK32, C3 | 76 | 168 | 110 | 90 | M8 |
| TMS40-40 | HSK40, C4 | 76 | 168 | 110 | 90 | M8 |
| TMS40-46 | BT30 | 76 | 168 | 110 | 90 | M8 |
| TMS40-50 | HSK50, SK30, C5 | 76 | 168 | 110 | 90 | M8 |
| TMS40-63 | HSK63, BT40, C6 | 87 | 172 | 110 | 90 | M8 |
| TMS40-63.6 | HSK63, BT40 CAT40 SK40 C6 | 87 | 172 | 110 | 90 | M8 |
| TMS50-80 | HSK80, C8 | 114 | 219 | 160 | 130 | M8 |
| TMS50-97.5 | SK50 | 124 | 219 | 160 | 130 | M8 |
| TMS50-98.43 | CAT50 | 124 | 219 | 160 | 130 | M8 |
| TMS50-100 | HSK100, BT50 | 124 | 219 | 160 | 130 | M8 |

## FIX Tool Holder Locking Device
## 万向锁刀座

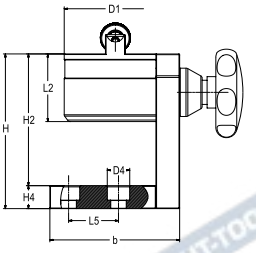





| Size | Tool Holder | D1 | L2 |
|---|---|---|---|
| FIX30 | BT30,SK30,NT30 | 82 | 58 |
| FIX40 | BT40,CAT40,SK40,NT40 | 82 | 58 |
| FIX50 | BT50,CAT50,SK50,NT50 | 103 | 71 |

## RTY Tool Holder Locking Device
## 万向锁刀座



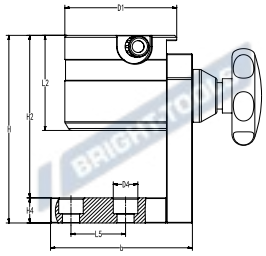



| Size | Tool Holder | D1 | L2 | H | H2 | H4 | b | L5 |
|---|---|---|---|---|---|---|---|---|
| RTY30 | BT30,SK30,NT30 | 70 | 56 | 128 | 109 | 19 | 104 | 40 |
| RTY40 | BT40,CAT40,SK40,NT40 | 82 | 56 | 128 | 109 | 19 | 104 | 40 |
| RTY50 | BT50,CAT50,SK50,NT50 | 103 | 71 | 170 | 151 | 19 | 144 | 85 |

Tool holder can befixed at +90 ,+45° ,0° -45° ,and -90° positions.
刀柄可固定于 +90°、+45°、0°、-45°、-90°等位置 .

## CAPTO Tool Holder Locking Device
## CAPTO 万向锁刀座



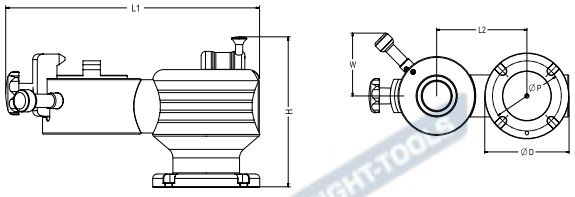


| Size | Tool Holder | D1 | L2 | H | H2 | H4 | b | L5 | D4 |
|---|---|---|---|---|---|---|---|---|---|
| MULTI CLAMP C3 | C3 | 70 | 64 | 137 | 118 | 19 | 104 | 40 | 18 |
| MULTI CLAMP C4 | C4 | 78 | 67 | 136 | 117 | 19 | 104 | 40 | 18 |
| MULTI CLAMP C5 | C5 | 82 | 72 | 142 | 123 | 19 | 104 | 40 | 18 |
| MULTI CLAMP C6 | C6 | 95 | 72 | 142 | 123 | 19 | 104 | 40 | 18 |
| MULTI CLAMP C8 | C8 | 120 | 90 | 184 | 165 | 19 | 144 | 85 | 18 |

Tool holder can befixed at +90 ,+45° ,0° -45° ,and -90° positions.
刀柄可固定于 +90°、+45°、0°、-45°、-90°等位置 .

## TMU Tool Holder Locking Device
## 万向锁刀座





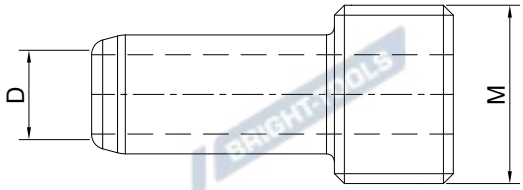
| Size | Tool Holder | L1 | L2 | D | H | W | P | G | Adapter |
|---|---|---|---|---|---|---|---|---|---|
| TMU40-40 | BT40,BBT40 | 232 | 105 | 98 | 135 | 71 | 80 | M8 | TMUA40-40 |
| TMU40-HSK63 | HSK63A | 232 | 105 | 98 | 135 | 71 | 80 | M8 | TMUA40-HSK63 |
| TMU50-50 | BT50,BBT50 | 326 | 150 | 140 | 185 | 107 | 114 | M10 | TMUA50-50 |
| TMU50-HSK100 | HSK100A | 326 | 150 | 140 | 185 | 107 | 114 | M10 | TMUA50-HSK100 |

Tool holder can befixed at +90 ,+45° ,0° -45° ,and -90° positions.
Toolholder can rotate 360° around its circumference, making it easy to install and remove inserts.

刀柄可固定于 +90°、+45°、0°、-45°、-90°等位置 ;
刀柄可以沿圆周方向实现 360° 旅转，方便拆装刀具 .

## HSK Coolant Tube
## HSK 冷却导管

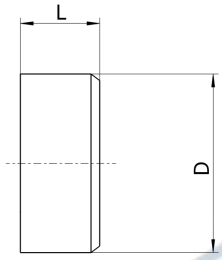





| Size | Tool Holder Size | D | M | L |
|---|---|---|---|---|
| CT32 | HSK32 | 6 | M10×1 | 26 |
| CT40 | HSK40 | 8 | M12×1 | 29.5 |
| CT50 | HSK50 | 10 | M16×1 | 33 |
| CT63 | HSK63 | 12 | M18×1 | 36.5 |
| CT80 | HSK80 | 14 | M20×1.5 | 40 |
| CT100 | HSK100 | 16 | M24×1.5 | 44 |

## Balluff Data Carrier
## 巴鲁夫数据芯片




| Size | D | L | Memory Type | User Data, Read/Write |
|---|---|---|---|---|
| BIS M-122-02/A | 10 | 4.5 | FRAM | 2000 Byte |
| BIS C-122-04/L | 10 | 4.5 | EEPROM | 511 Byte |

# Clamping Kits 58 PCS
# 58 件套组合压板





Metric

| Size | Wt (kg) | Packing (cm) |
|---|---|---|
| M8*10-58 pcs | 6.5kg | 33*11*20 |
| M10*12-58 pcs | 7kg | 33*11*20 |
| M12*14-58 pcs | 9.5kg | 37*11*22 |
| M12*16-58 pcs | 10kg | 37*11*22 |
| M14*16-58 pcs | 12kg | 39*11*22 |
| M14*18-58 pcs | 12.5kg | 39*11*22 |
| M16*18-58 pcs | 16kg | 49*13*23 |
| M16*20-58 pcs | 16.5kg | 49*13*23 |
| M18*20-58 pcs | 23kg | 38*16*29 |
| M20*22-58 pcs | 25kg | 38*16*29 |
| M22*26-58 pcs | 40kg | 47*25*29 |

Inch

| Size | Wt (kg) | Packing (cm) |
|---|---|---|
| 5/16"-18*3/8" | 6kg | 33*11*20 |
| 3/8"-16*7/16" | 7kg | 33*11*20 |
| 3/8"-16*1/2" | 7kg | 33*11*20 |
| 3/8"-16*9/16" | 7kg | 33*11*20 |
| 1/2"-13-9/16" | 10kg | 37*11*22 |
| 1/2"-13-5/8" | 10kg | 37*11*22 |
| 1/2"-13-11/16" | 10kg | 37*11*22 |
| 5/8"-11-11/16" | 16kg | 39*13*23 |
| 5/8"-11-3/4" | 16kg | 39*13*23 |
| 5/8"-11-13/16" | 16kg | 39*13*23 |
| 3/4"-10*7/8" | 24kg | 38*16*29 |

## Tool Holder Trolley
## 刀具车



| Size | Cabinet Size | Packing Size | Wt (kg) |
|---|---|---|---|
| BT30-36 | 920 x 475 x 775 mm | 700 x 490 x 330 mm | 30 |
| BT40-36 | 920 x 475 x 775 mm | 700 x 490 x 330 mm | 31 |
| BT50-24 | 920 x 475 x 775 mm | 700 x 490 x 330 mm | 32 |
| HSK63-24 | 920 x 475 x 775 mm | 700 x 490 x 330 mm | 31 |

## Tool Holder Stand
## 刀架（刀柄座）



| Size | Cabinet Size | Packing Size | Wt (kg) |
|---|---|---|---|
| BT30-TS12 | 495 x 240 x 150 mm | 525 x 270 x 180 mm | 3.4 |
| BT40-TS12 | 495 x 240 x 150 mm | 525 x 270 x 180 mm | 3.5 |
| BT50-TS8 | 495 x 240 x 150 mm | 525 x 270 x 180 mm | 3.6 |
| HSK63-TS8 | 495 x 240 x 150 mm | 525 x 270 x 180 mm | 3.5 |

## Tool Holder Cabinet
## 刀具柜





| Size | Cabinet Size | Packing Size | Wt (kg) |
|---|---|---|---|
| BT40-TE54 | 650 x 405 x 1545 mm | 680 x 435 x 1575 mm | 53 |
| BT40-TE54 | 650 x 405 x 1545 mm | 680 x 435 x 1575 mm | 54 |
| BT50-TE36 | 650 x 405 x 1545 mm | 680 x 435 x 1575 mm | 55 |
| HSK63-TE36 | 650 x 405 x 1545 mm | 680 x 435 x 1575 mm | 54 |

## Tool Holder Trolley
## ( 带抽屉 ) 刀具车





| Size | Cabinet Size | Packing Size | Wt (kg) |
|---|---|---|---|
| BT30-TH54 | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 63 |
| BT40-TH54 | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 64 |
| BT50-TH36 | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 65 |
| HSK63-TH36 | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 64 |

## Tool Holder Trolley
## ( 带抽屉 ) 刀具车





| Size | Cabinet Size | Packing Size | Wt (kg) |
|---|---|---|---|
| BT30-TL24 | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 52 |
| BT40-TL24 | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 53 |
| BT50-TL16 | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 54 |
| HSK63-TL16 | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 53 |

## Tool Holder Trolley
## ( 带抽屉 ) 刀具车





| Size | Cabinet Size | Packing Size | Wt (kg) |
|---|---|---|---|
| BT30-TD54 | 600 x 600 x 1015 mm | 630 x 630 x 1045 mm | 72 |
| BT40-TD54 | 600 x 600 x 1015 mm | 630 x 630 x 1045 mm | 73 |
| BT50-TD36 | 600 x 600 x 1015 mm | 630 x 630 x 1045 mm | 74 |
| HSK63-TD36 | 600 x 600 x 1015 mm | 630 x 630 x 1045 mm | 73 |

# Tool Holder Cleaning Device
# 除锈机


Brush Head
清洁刷装置


Reductions
转换环


Base Unit
清洁机底座


Power Supply
电源适配器


Hex Key
六角扳手



| Size | Taper | Base Unit | Brush Head | Brush Head D | Reduction Qty |
|---|---|---|---|---|---|
| TCD-30 | BT/SK/CAT30 | TCD-BU | TCD-30-BH | 50 | 2 |
| TCD-40 | BT/SK/CAT40 | TCD-BU | TCD-40-BH | 63.55 | 2 |
| TCD-50 | BT/SK/CAT50 | TCD-BU | TCD-50-BH | 100 | 3 |
| TCD-HSK50 | HSK50 | TCD-BU | TCD-HSK50-BH | 50 | - |
| TCD-HSK63 | HSK63 | TCD-BU | TCD-HSK63-BH | 63 | - |
| TCD-HSK80 | HSK80 | TCD-BU | TCD-HSK80-BH | 80 | - |
| TCD-HSK100 | HSK100 | TCD-BU | TCD-HSK100-BH | 100 | - |

All tool holders use the same base unit, only to change the brush head for different tapers.
Included reduction rings to be used with the brush head for toolholders according different taper standards.

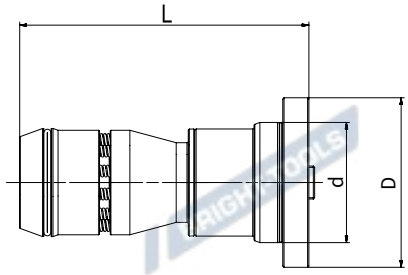
- TCD-30: two reduction rings, one for SK30 tool holders, the other one for BT30 and CAT30.
- TCD-40: two reduction rings, one for BT40 tool holders, the other one for SK40 and CAT40.
- TCD-50: three reduction rings for BT50, SK50 and CAT50 tool holders.
- HSK cleaning devices are used for Form A/C/D/E, without reductions and hex key.

刀柄清洁器底座通用，根据锥柄不同选配不同的清洁刷装置 .
随附的转换环与不同锥柄的清洁刷装置一起使用。

- 刀柄清洁器底座通用，根据锥柄不同选配不同的清洁刷装置 .
- 随附的转换环与不同锥柄的清洁刷装置一起使用。
- TCD-30：随附两个转换环，一个供 SK30 使用，另一个 BT30 和 CAT30 通用 ;
- TCD-40：随附两个转换环，一个供 BT40 使用，另一个 SK40 和 CAT40 通用 ;
- TCD-50：随附三个转换环，分别用于 BT50，SK50 和 CAT50;
- HSK 系列清洁器不配六角扳手，不配转换环，适用类型 A/C/D/E.

# Balancing Adapter
# 动平衡机转换套






| Size | Taper | d | D | L |
|---|---|---|---|---|
| DPH-30 | BBT/BT/SK/CAT 30 | 130 | 92 | 165 |
| DPH-40 | BBT/BT/SK/CAT 40 | 130 | 92 | 165 |
| DPH-50 | BBT/BT/SK/CAT 50 | 130 | 92 | 225 |
| DPH-HSK32 | HSK32A/HSK32E/HSK40F | 130 | 92 | 125 |
| DPH-HSK40 | HSK40A/HSK40E/HSK50F | 130 | 92 | 130 |
| DPH-HSK50 | HSK50A/HSK50E/HSK63F | 130 | 92 | 130 |
| DPH-HSK63 | HSK63A/HSK63E/HSK80F | 130 | 92 | 130 |
| DPH-HSK80 | HSK80A/HSK80E/HSK100F | 130 | 92 | 155 |
| DPH-HSK100 | HSK100A/HSK100E | 130 | 92 | 155 |

BRIGHT-TOOLS

# SPECIAL MACHINING

BRIGHT-TOOLS



# Customer Solutions
# 客户解决方案



BRIGHT-TOOLS is a professional metalworking and woodworking tool holder manufacturer, beside standard tooling systems, it also supplies customized products based on drawings or samples.

# Machining Capabilities

| CNC TURNING SERVICES SPECIFICATIONS | |
|---|---|
| Machines | CNC Lathes |
| Runout | 0.001 mm |
| Max Part Dia. | 400 mm |
| Max Part Length | 650 mm |
| Machine Fixturing | Three-jaw chuck; Four-jaw chuck |
| **CNC MILLING SERVICES SPECIFICATIONS** | |
| Machines | Machining Centers |
| Runout | 0.001 mm |
| CNC Max Part Length | 800 mm |
| CNC Max Part Width | 500 mm |
| CNC Max Part Depth | 500 mm |
| **GRINDING SERVICES SPECIFICATIONS** | |
| Machines | Cylindrical, Internal and Surface Grinding Machines |
| Cylindrical Grinding Machine Runout | 0.001 mm |
| Cylindrical Grinding Max Part Dia. | 200 mm |
| Cylindrical Grinding Max Part Length | 1000 mm |
| Internal Grinding Machine Runout | 0.001 mm |
| Internal Grinding Max Part Dia. | 100 mm |
| Internal Grinding Max Part Length | 500 mm |
| Internal Grinding Max Part Depth | 150 mm |
| Surface Grinding Machine Runout | 0.005 mm |
| Surface Grinding Max Part Length | 400 mm |
| Surface Grinding Max Part Width | 250 mm |
| Surface Grinding Max Part Height | 400 mm |
| **SECONDARY SERVICES OFFERED** | |
| Heat Treatment | Engineers are capable of designing heat treatment cycles for Annealing, Normalizing, Hardening, tempering, carburizing, etc. |
| Surface Treatment | Blackening; Plating; Sandblasting, etc. |

# 加工能力及范围

| 车削技术参数 | |
|---|---|
| 机器设备 | 数控车床 |
| 机床精度 | 0.001 mm |
| 工件最大加工直径 | 400 mm |
| 工件最大加工长度 | 650 mm |
| 机床夹具配置 | 三爪；四爪 |
| **铣削技术参数** | |
| 机器设备 | 加工中心 |
| 机床精度 | 0.001 mm |
| 工件最大加工直径 | 800 mm |
| 工件最大加工宽度 | 500 mm |
| 工件最大加工深度 | 500 mm |
| **磨削技术参数** | |
| 机器设备 | 外圆磨床；内孔磨床；平面磨床 |
| 外圆磨床精度 | 0.001 mm |
| 外圆磨床工件最大加工直径 | 200 mm |
| 外圆磨床工件最大加工长度 | 1000 mm |
| 内圆磨床精度 | 0.001 mm |
| 内圆磨床工件最大加工直径 | 100 mm |
| 内圆磨床工件最大加工长度 | 500 mm |
| 内圆磨床工件最大加工深度 | 150 mm |
| 平面磨床精度 | 0.005 mm |
| 平面磨床工件最大加工长度 | 400 mm |
| 平面磨床工件最大加工宽度 | 250 mm |
| 平面磨床工件最大加工高度 | 400 mm |
| **其他服务** | |
| 热处理 | 工程师有能力编排热处理相关工艺，如退火、正火、淬火、回火、调质、渗碳等。 |
| 表面处理 | 发黑、电镀、喷砂等等 |

| Main Manufacturing Procedure | 主要加工步骤 |
|---|---|
| • Drilling | ● 钻 |
| • Turning | ● 车 |
| • Milling | ● 铣 |
| • Grinding | ● 磨 |
| • Heat Treatment | ● 热处理 |
| • Surface Treatment | ● 表面处理 |
| • Assembling | ● 组装 |
| • Packing | ● 包装 |

## CNC Machining Service Procedures
## 机械加工下单流程

| CNC Machining Service Procedures | |
|---|---|
| INQUIRY | Detailed information are required for quotation as company details, drawings, order quantity, delivery time, etc. |
| QUOTATION | Calculate the cost and quote. |
| ADVANCE PAYMENT | Make PI for payment after received purchaser order. |
| MANUFACTURING | Redraw and assign manufacturing tasks; quality control during the whole process. |
| FINAL Q.C. | Final quality inspection according to C=0 AQL=4% |
| BALANCE PAYMENT | Balance Payment is required before shipment. |
| PACKING & SHIPPING | Pack and ship according to customers' requirements. |
| DOCUMENTS & LOGISTICS | Provide shipping documents after shipment. |