

# TOOL HOLDERS

# HSK-A

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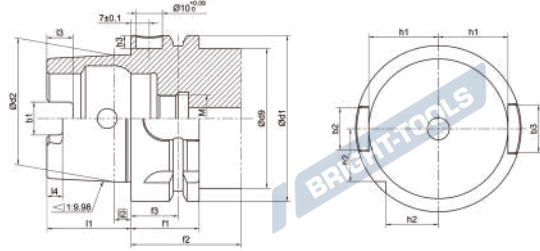
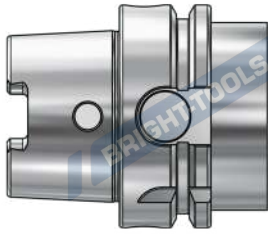
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## HSK-A Taper Standard

### 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

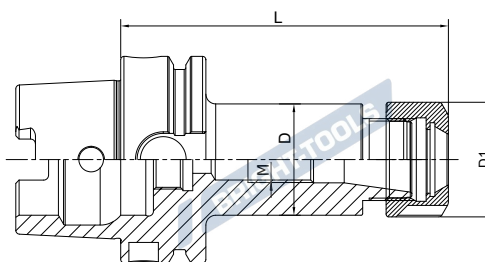
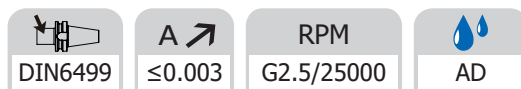
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## ER Collet Chuck with UM Nut

### ER 弹簧夹头刀柄

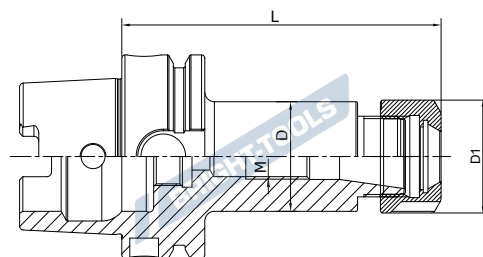
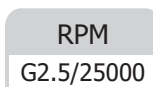
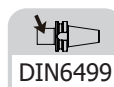


| Size              | D  | D1 | L   | M       | Capacity |
|-------------------|----|----|-----|---------|----------|
| HSK32A-ER16UM-80  | 25 | 32 | 80  | M10     | 1-10     |
| HSK32A-ER20UM-80  | 25 | 35 | 80  | M14*1.5 | 1-13     |
| HSK32A-ER25-80    | 25 | 42 | 80  | M14*1.5 | 2-16     |
| HSK40A-ER16UM-80  | 28 | 32 | 80  | M10     | 1-10     |
| HSK40A-ER20UM-80  | 33 | 35 | 80  | M14*1.5 | 1-13     |
| HSK40A-ER25-80    | 32 | 42 | 80  | M18*1.5 | 2-16     |
| HSK40A-ER32-80    | 33 | 50 | 80  | -       | 3-20     |
| HSK50A-ER16UM-80  | 28 | 32 | 80  | M10     | 1-10     |
| HSK50A-ER20UM-80  | 34 | 35 | 80  | M14*1.5 | 1-13     |
| HSK50A-ER25-80    | 32 | 42 | 80  | M18*1.5 | 2-16     |
| HSK50A-ER32-100   | 40 | 50 | 100 | M22*1.5 | 3-20     |
| HSK63A-ER16UM-75  | 28 | 32 | 75  | M10     | 1-10     |
| HSK63A-ER20UM-75  | 34 | 35 | 75  | M10     | 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 | M10     | 1-10     |
| HSK63A-ER20UM-100 | 34 | 35 | 100 | M14*1.5 | 1-13     |
| HSK63A-ER25-100   | 42 | 42 | 100 | M18*1.5 | 2-16     |
| HSK63A-ER32-100   | 50 | 50 | 100 | M22*1.5 | 3-20     |
| HSK63A-ER40-100   | 50 | 63 | 100 | M10     | 4-26     |
| HSK63A-ER16UM-120 | 28 | 32 | 120 | M10     | 1-10     |
| HSK63A-ER20UM-120 | 34 | 35 | 120 | M14*1.5 | 1-13     |
| HSK63A-ER25-120   | 42 | 42 | 120 | M18*1.5 | 2-16     |
| HSK63A-ER32-120   | 50 | 50 | 120 | M22*1.5 | 3-20     |
| HSK63A-ER40-120   | 50 | 63 | 120 | M28*1.5 | 4-26     |

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## ER Collet Chuck with UM Nut

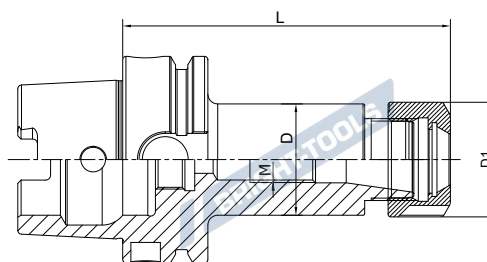
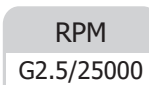
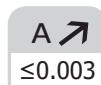
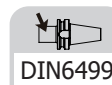
### ER 弹簧夹头刀柄



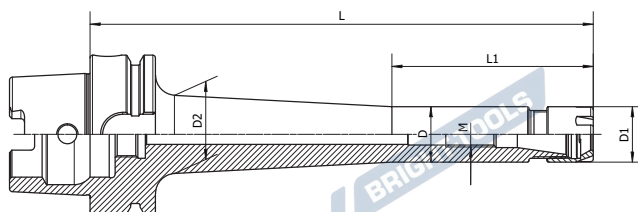
| Size               | D  | D1 | L   | M       | Capacity |
|--------------------|----|----|-----|---------|----------|
| HSK63A-ER20UM-160  | 34 | 35 | 160 | M14*1.5 | 1-13     |
| HSK63A-ER25-160    | 42 | 42 | 160 | M18*1.5 | 2-16     |
| HSK63A-ER32-160    | 50 | 50 | 160 | M22*1.5 | 3-20     |
| HSK63A-ER40-160    | 50 | 63 | 160 | M28*1.5 | 4-26     |
| HSK63A-ER20UM-200  | 34 | 35 | 200 | M14*1.5 | 1-13     |
| HSK63A-ER25-200    | 42 | 42 | 200 | M18*1.5 | 2-16     |
| HSK63A-ER32-200    | 50 | 50 | 200 | M22*1.5 | 3-20     |
| HSK63A-ER40-200    | 50 | 63 | 200 | M28*1.5 | 4-26     |
| HSK80A-ER16UM-100  | 28 | 32 | 100 | M10     | 1-10     |
| HSK80A-ER20UM-100  | 34 | 35 | 100 | M14*1.5 | 1-13     |
| HSK80A-ER25-100    | 42 | 42 | 100 | M18*1.5 | 2-16     |
| HSK80A-ER32-100    | 50 | 50 | 100 | M12     | 3-20     |
| HSK80A-ER40-120    | 50 | 63 | 120 | M28*1.5 | 4-26     |
| HSK100A-ER16UM-100 | 28 | 32 | 100 | M10     | 1-10     |
| HSK100A-ER20UM-100 | 34 | 35 | 100 | M14*1.5 | 1-13     |
| HSK100A-ER25-100   | 42 | 42 | 100 | M18*1.5 | 2-16     |
| HSK100A-ER32-100   | 50 | 50 | 100 | M14*1.5 | 3-20     |
| HSK100A-ER40-100   | 63 | 63 | 100 | -       | 4-26     |
| HSK100A-ER50-120   | 64 | 78 | 120 | -       | 6-34     |
| HSK100A-ER16UM-120 | 28 | 32 | 120 | M10     | 1-10     |
| HSK100A-ER20UM-120 | 34 | 35 | 120 | M14*1.5 | 1-13     |
| HSK100A-ER25-120   | 42 | 42 | 120 | M18*1.5 | 2-16     |
| HSK100A-ER32-120   | 50 | 50 | 120 | M22*1.5 | 3-20     |
| HSK100A-ER40-120   | 63 | 63 | 120 | M28*1.5 | 4-26     |
| HSK100A-ER20UM-160 | 34 | 35 | 160 | M14*1.5 | 1-13     |
| HSK100A-ER25-160   | 42 | 42 | 160 | M18*1.5 | 2-16     |
| HSK100A-ER32-160   | 50 | 50 | 160 | M22*1.5 | 3-20     |
| HSK100A-ER40-160   | 63 | 63 | 160 | M28*1.5 | 4-26     |

## ER Collet Chuck with UM Nut

### ER 弹簧夹头刀柄

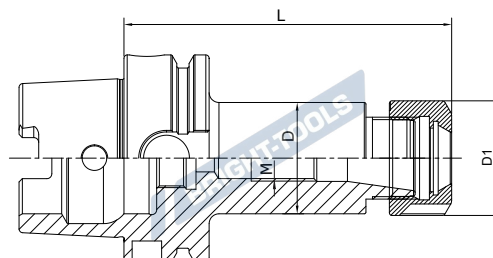
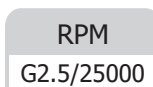
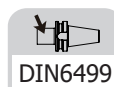


| Size               | D  | D1 | L   | M       | Capacity |
|--------------------|----|----|-----|---------|----------|
| HSK100A-ER20UM-200 | 34 | 35 | 200 | M14*1.5 | 1-13     |
| HSK100A-ER25-200   | 42 | 42 | 200 | M18*1.5 | 2-16     |
| HSK100A-ER32-200   | 50 | 50 | 200 | M22*1.5 | 3-20     |
| HSK100A-ER40-200   | 63 | 63 | 200 | M28*1.5 | 4-26     |
| HSK100A-ER25-250   | 42 | 42 | 250 | M18*1.5 | 2-16     |
| HSK100A-ER32-250   | 50 | 50 | 250 | M22*1.5 | 3-20     |
| HSK100A-ER40-250   | 63 | 63 | 250 | M28*1.5 | 4-26     |
| HSK100A-ER25-300   | 42 | 42 | 300 | M18*1.5 | 2-16     |
| HSK100A-ER32-300   | 50 | 50 | 300 | M22*1.5 | 3-20     |
| HSK100A-ER40-300   | 63 | 63 | 300 | M28*1.5 | 4-26     |
| HSK125A-ER40-120   | 63 | 63 | 120 | M28*1.5 | 4-26     |



| Size                | D  | D1 | D2    | L   | L1 | α   | M   | Capacity |
|---------------------|----|----|-------|-----|----|-----|-----|----------|
| HSK63A-ER16UM-160T  | 28 | 32 | 32.75 | 160 | 70 | 2.5 | M10 | 1-10     |
| HSK63A-ER16UM-200T  | 28 | 32 | 36.31 | 200 | 90 | 3   | M10 | 1-10     |
| HSK100A-ER16UM-160T | 28 | 32 | 37.88 | 160 | 70 | 5   | M10 | 1-10     |
| HSK100A-ER16UM-200T | 28 | 32 | 44.65 | 200 | 80 | 5.5 | M10 | 1-10     |

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



| Size             | D  | D1 | L   | M       | Capacity |
|------------------|----|----|-----|---------|----------|
| HSK32A-ER16-80   | 25 | 28 | 80  | M10     | 1-10     |
| HSK32A-ER20-80   | 25 | 34 | 80  | M14*1.5 | 1-13     |
| HSK40A-ER16-80   | 28 | 28 | 80  | M10     | 1-10     |
| HSK40A-ER20-80   | 33 | 34 | 80  | M14*1.5 | 1-13     |
| HSK50A-ER16-80   | 28 | 28 | 80  | M10     | 1-10     |
| HSK50A-ER20-80   | 34 | 34 | 80  | M14*1.5 | 1-13     |
| HSK63A-ER16-75   | 28 | 28 | 75  | M10     | 1-10     |
| HSK63A-ER20-75   | 34 | 34 | 75  | M10     | 1-13     |
| HSK63A-ER16-100  | 28 | 28 | 100 | M10     | 1-10     |
| HSK63A-ER20-100  | 34 | 34 | 100 | M14*1.5 | 1-13     |
| HSK63A-ER16-120  | 28 | 28 | 120 | M10     | 1-10     |
| HSK63A-ER20-120  | 34 | 34 | 120 | M14*1.5 | 1-13     |
| HSK63A-ER20-160  | 34 | 34 | 160 | M14*1.5 | 1-13     |
| HSK63A-ER20-200  | 34 | 34 | 200 | M14*1.5 | 1-13     |
| HSK80A-ER16-100  | 28 | 28 | 100 | M10     | 1-10     |
| HSK80A-ER20-100  | 34 | 34 | 100 | M14*1.5 | 1-13     |
| HSK100A-ER16-100 | 28 | 28 | 100 | M10     | 1-10     |
| HSK100A-ER20-100 | 34 | 34 | 100 | M14*1.5 | 1-13     |
| HSK100A-ER16-120 | 28 | 28 | 120 | M10     | 1-10     |
| HSK100A-ER20-120 | 34 | 34 | 120 | M14*1.5 | 1-13     |
| HSK100A-ER20-160 | 34 | 34 | 160 | M14*1.5 | 1-13     |
| HSK100A-ER20-200 | 34 | 34 | 200 | M14*1.5 | 1-13     |

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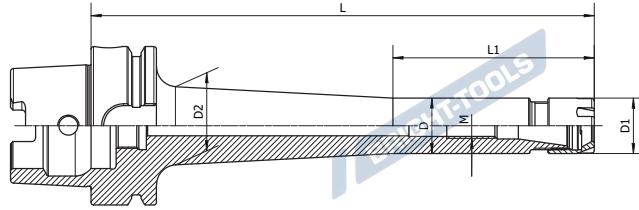
## ER Collet Chuck with Hex Nut

### ER 弹簧夹头刀柄

  
DIN6499

  
 $\leq 0.003$ 

RPM  
G2.5/25000

  
AD


| Size               | D  | D1 | D2    | L   | L1 | $\alpha$ | M   | Capacity |
|--------------------|----|----|-------|-----|----|----------|-----|----------|
| HSK63A-ER16A-160T  | 28 | 28 | 32.75 | 160 | 70 | 2.5      | M10 | 1-10     |
| HSK63A-ER16-200T   | 28 | 28 | 36.31 | 200 | 90 | 3        | M10 | 1-10     |
| HSK100A-ER16A-160T | 28 | 28 | 37.88 | 160 | 70 | 5        | M10 | 1-10     |
| HSK100A-ER16A-200T | 28 | 28 | 44.65 | 200 | 80 | 5.5      | M10 | 1-10     |

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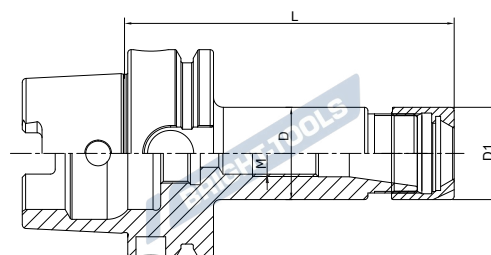
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## ER Collet Chuck with Mini Nut

### ER 弹簧夹头刀柄



|                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| DIN6499                                                                            | $\leq 0.003$                                                                        | RPM<br>G2.5/25000                                                                   | AD                                                                                  |



| Size              | D  | D1 | L   | M       | Capacity |
|-------------------|----|----|-----|---------|----------|
| HSK32A-ER11M-50   | 16 | 16 | 50  | -       | 1-7      |
| HSK32A-ER16M-50   | 22 | 22 | 50  | -       | 1-10     |
| HSK32A-ER20M-50   | 24 | 28 | 50  | -       | 1-13     |
| HSK40A-ER11M-45   | 16 | 16 | 60  | -       | 1-7      |
| HSK40A-ER16M-60   | 22 | 22 | 60  | -       | 1-10     |
| HSK40A-ER20M-60   | 28 | 28 | 60  | -       | 1-13     |
| HSK50A-ER11M-60   | 16 | 16 | 60  | M6      | 1-7      |
| HSK50A-ER16M-60   | 22 | 22 | 60  | -       | 1-10     |
| HSK50A-ER20M-60   | 28 | 28 | 60  | -       | 1-13     |
| HSK63A-ER11M-100  | 16 | 16 | 100 | M6      | 1-7      |
| HSK63A-ER16M-100  | 22 | 22 | 100 | M10     | 1-10     |
| HSK63A-ER20M-100  | 28 | 28 | 100 | M14*1.5 | 1-13     |
| HSK63A-ER25M-100  | 35 | 35 | 100 | M18*1.5 | 2-16     |
| HSK63A-ER20M-160  | 28 | 28 | 160 | M14*1.5 | 1-13     |
| HSK63A-ER25M-160  | 35 | 35 | 160 | M18*1.5 | 2-16     |
| HSK100A-ER16M-100 | 22 | 22 | 100 | M10     | 1-10     |
| HSK100A-ER20M-100 | 28 | 28 | 100 | M14*1.5 | 1-13     |
| HSK100A-ER25M-100 | 35 | 35 | 100 | M18*1.5 | 2-16     |
| HSK100A-ER20M-160 | 28 | 28 | 160 | M14*1.5 | 1-13     |
| HSK100A-ER25M-160 | 35 | 35 | 160 | M18*1.5 | 2-16     |

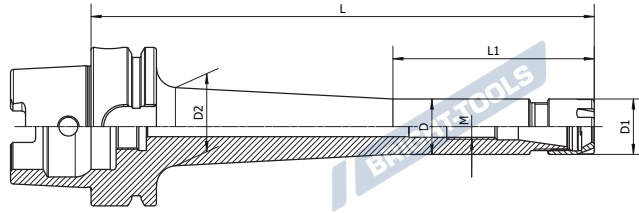
## ER Collet Chuck with Hex Nut

### ER 弹簧夹头刀柄

  
DIN6499

  
 $\leq 0.003$ 

RPM  
G2.5/25000

  
AD


| Size               | D  | D1 | D2    | L   | L1 | $\alpha$ | M   | Capacity |
|--------------------|----|----|-------|-----|----|----------|-----|----------|
| HSK63A-ER11M-130T  | 16 | 16 | 24.65 | 130 | 50 | 5        | M6  | 1-7      |
| HSK63A-ER11M-160T  | 16 | 16 | 25.92 | 160 | 70 | 5        | M6  | 1-7      |
| HSK63A-ER16M-130T  | 22 | 22 | 28.9  | 130 | 60 | 5        | M10 | 1-10     |
| HSK63A-ER16M-160T  | 22 | 22 | 32.4  | 160 | 70 | 5        | M10 | 1-10     |
| HSK100A-ER16M-160T | 22 | 22 | 27.93 | 160 | 65 | 3        | M10 | 1-10     |

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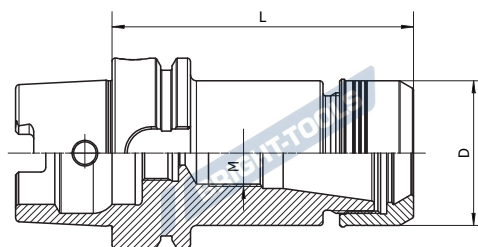
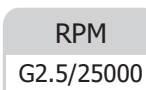
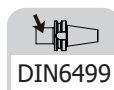
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## ER Collet Chuck with GER Nut GER 弹簧夹头刀柄



| Size              | D  | L   | M       | Capacity |
|-------------------|----|-----|---------|----------|
| HSK63A-GER16-100  | 27 | 100 | M10     | 1-10     |
| HSK63A-GER16-160  | 27 | 160 | M10     | 1-10     |
| HSK63A-GER20-100  | 30 | 100 | M14*1.5 | 1-13     |
| HSK63A-GER20-160  | 30 | 160 | M14*1.5 | 1-13     |
| HSK63A-GER25-100  | 40 | 100 | M18*1.5 | 2-16     |
| HSK63A-GER25-160  | 40 | 160 | M18*1.5 | 2-16     |
| HSK63A-GER32-100  | 48 | 100 | M22*1.5 | 2-20     |
| HSK63A-GER32-160  | 48 | 160 | M22*1.5 | 2-20     |
| HSK100A-GER16-100 | 27 | 100 | M10     | 1-10     |
| HSK100A-GER16-160 | 27 | 160 | M10     | 1-10     |
| HSK100A-GER20-100 | 30 | 100 | M14*1.5 | 1-13     |
| HSK100A-GER20-160 | 30 | 160 | M14*1.5 | 1-13     |
| HSK100A-GER25-100 | 40 | 100 | M18*1.5 | 2-16     |
| HSK100A-GER25-160 | 40 | 160 | M18*1.5 | 2-16     |
| HSK100A-GER32-100 | 48 | 100 | M14*1.5 | 2-20     |
| HSK100A-GER32-160 | 48 | 160 | M22*1.5 | 2-20     |

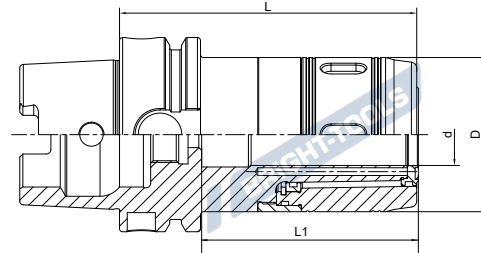
HSK

## Power Milling Chuck

### 强力铣刀柄

A ↗  
≤0.008

AD



| Size             | d  | D  | L   | L1 | Capacity |
|------------------|----|----|-----|----|----------|
| HSK63A-HC20-100  | 20 | 50 | 100 | 73 | 3-16; 20 |
| HSK63A-HC25-100  | 25 | 59 | 100 | 73 | 3-20; 25 |
| HSK63A-HC32-120  | 32 | 72 | 120 | 77 | 3-25; 32 |
| HSK100A-HC20-105 | 20 | 50 | 105 | 73 | 3-16; 20 |
| HSK100A-HC25-105 | 25 | 59 | 105 | 73 | 3-20; 25 |
| HSK100A-HC32-120 | 32 | 72 | 120 | 77 | 3-25; 32 |
| HSK100A-HC32-165 | 32 | 72 | 165 | 77 | 3-25; 32 |
| HSK100A-HC32-200 | 32 | 72 | 200 | 77 | 3-25; 32 |

HSK

# Power Milling Chuck 强力铣刀柄

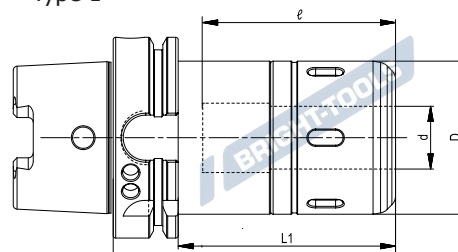
**NEW**

A ↗  
≤0.005

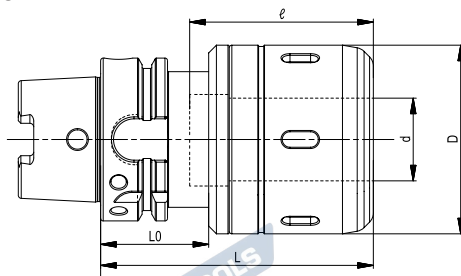
AD



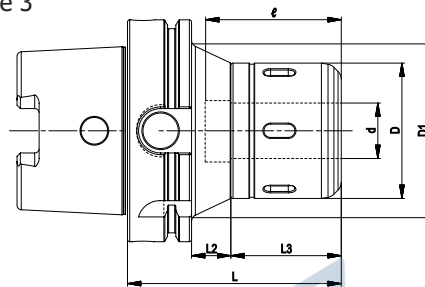
Type 1



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 |

**HSK**

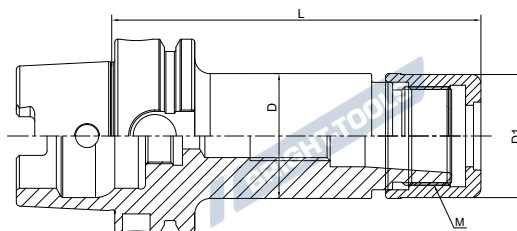
## High Speed SKS Collet Chuck

### SKS 高速筒夹刀柄

A ↗  
≤0.003

RPM  
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 |

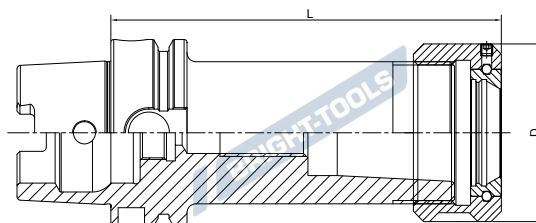
HSK

## OZ Collet Chuck

### OZ 夹头刀柄



|                                                                                            |                                                                                                    |                                                                                                       |                                                                                        |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  DIN6391 |  A $\leq 0.005$ |  RPM<br>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     |

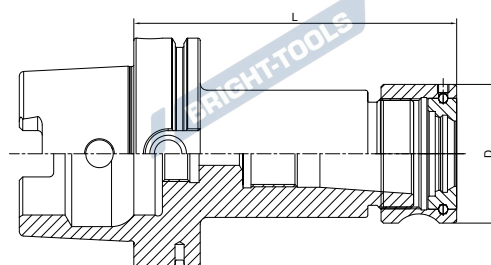
HSK

## TG Collet Chuck

### TG 超强力刀柄



|                                                                                                      |                                                                                          |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|  A $\leq 0.005$ |  AD |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

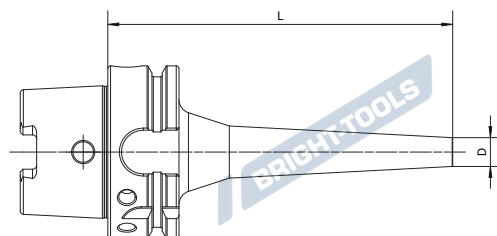


| Size              | D  | L   | Collet | Capacity |
|-------------------|----|-----|--------|----------|
| HSK50A-TG75-110   | 50 | 110 | TG 75  | 2-20     |
| HSK63A-TG75-120   | 50 | 120 | TG 75  | 2-20     |
| HSK63A-TG100-130  | 60 | 130 | TG 100 | 3-25     |
| HSK100A-TG75-120  | 50 | 120 | TG 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                                                                                  |

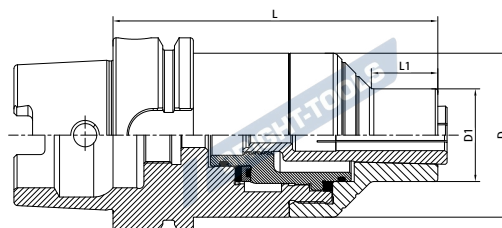


| Size             | D  | D1   | L   | Capacity |
|------------------|----|------|-----|----------|
| HSK63A-DC06-60   | 14 | 20.1 | 60  | 1-6      |
| HSK63A-DC06-90   | 14 | 20.1 | 90  | 1-6      |
| HSK63A-DC06-120  | 14 | 23.3 | 120 | 1-6      |
| HSK63A-DC06-150  | 14 | 26.2 | 150 | 1-6      |
| HSK63A-DC08-60   | 22 | 29.2 | 60  | 1-10     |
| HSK63A-DC08-90   | 22 | 29.2 | 90  | 1-10     |
| HSK63A-DC08-100  | 22 | 29.2 | 100 | 1-10     |
| HSK63A-DC08-120  | 22 | 31.3 | 120 | 1-10     |
| HSK63A-DC08-150  | 22 | 34.4 | 150 | 1-10     |
| HSK63A-DC08-200  | 22 | 29.2 | 200 | 1-10     |
| HSK63A-DC12-90   | 32 | 38.1 | 90  | 1-12     |
| HSK63A-DC12-120  | 32 | 41.3 | 120 | 1-12     |
| HSK63A-DC12-150  | 32 | 44.4 | 150 | 1-12     |
| HSK63A-DC12-200  | 32 | 44.4 | 200 | 1-12     |
|                  |    |      |     |          |
| HSK100A-DC06-90  | 14 | 39   | 90  | 1-6      |
| HSK100A-DC06-110 | 14 | 39   | 110 | 1-6      |
| HSK100A-DC06-120 | 14 | 42.1 | 120 |          |
| HSK100A-DC06-150 | 14 | 45.3 | 150 | 1-6      |
| HSK100A-DC08-110 | 22 | 30.7 | 110 | 1-10     |
| HSK100A-DC08-120 | 22 | 30.7 | 120 |          |
| HSK100A-DC08-150 | 22 | 33.9 | 150 | 1-10     |
| HSK100A-DC08-200 | 22 | 30.7 | 200 | 1-10     |
| HSK100A-DC12-100 | 32 | 38.6 | 100 |          |
| HSK100A-DC12-120 | 32 | 40.7 | 120 | 1-12     |
| HSK100A-DC12-150 | 32 | 43.9 | 150 | 1-12     |
| HSK100A-DC12-200 | 32 | 43.9 | 200 | 1-12     |

## Precision Screw Collet Chuck

### NDC 后拉刀柄

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



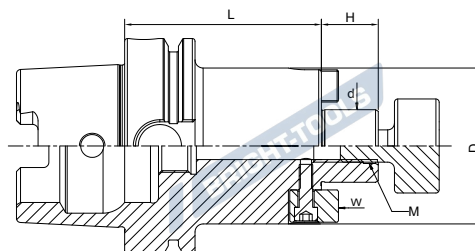
| Size              | D  | D1 | L   | L1   |
|-------------------|----|----|-----|------|
| HSK63A-NDC14-105  | 53 | 30 | 105 | 21.5 |
| HSK63A-NDC14-150  | 53 | 30 | 150 | 66.5 |
| HSK63A-NDC14-180  | 53 | 30 | 180 | 88   |
| HSK63A-NDC20-105  | 53 | 40 | 105 | 26.5 |
| HSK63A-NDC20-150  | 53 | 40 | 150 | 66.7 |
| HSK63A-NDC20-180  | 53 | 40 | 180 | 96.7 |
| HSK63A-NDC32-145  | 63 | 63 | 145 | 119  |
| HSK100A-NDC20-110 | 63 | 40 | 110 | 22   |
| HSK100A-NDC20-155 | 63 | 40 | 155 | 66.6 |
| HSK100A-NDC20-185 | 63 | 40 | 185 | 96.6 |
| HSK100A-NDC32-145 | 70 | 70 | 145 | 116  |

## Face Mill Holder Inch

### 英制面铣刀柄



|               |                   |    |
|---------------|-------------------|----|
| A ↗<br>≤0.005 | RPM<br>G2.5/25000 | AD |
|---------------|-------------------|----|



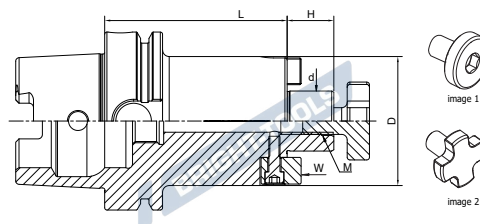
| Size                  | d      | D     | H     | L   | M      | W      |
|-----------------------|--------|-------|-------|-----|--------|--------|
| HSK63A-FMA3/4"-50     | 3/4"   | 44.45 | 17.45 | 50  | 3/8-24 | 7.93   |
| HSK63A-FMA1"-60       | 1"     | 57.15 | 17.45 | 60  | 1/2-20 | 9.525  |
| HSK63A-FMA1-1/4"-60   | 1-1/4" | 69.85 | 17.45 | 60  | 5/8-18 | 12.7   |
| HSK63A-FMA1-1/2"-60   | 1-1/2" | 78    | 23.83 | 60  | 3/4-16 | 15.875 |
| HSK63A-FMA3/4"-100    | 3/4"   | 44.45 | 17.45 | 100 | 3/8-24 | 7.93   |
| HSK63A-FMA1"-100      | 1"     | 57.15 | 17.45 | 100 | 1/2-20 | 9.525  |
| HSK63A-FMA1-1/4"-100  | 1-1/4" | 69.85 | 17.45 | 100 | 5/8-18 | 12.7   |
| HSK63A-FMA1-1/2"-100  | 1-1/2" | 78    | 23.83 | 100 | 3/4-16 | 15.875 |
| HSK63A-FMA3/4"-160    | 3/4"   | 44.45 | 17.45 | 160 | 3/8-24 | 7.93   |
| HSK63A-FMA1"-160      | 1"     | 57.15 | 17.45 | 160 | 1/2-20 | 9.525  |
| HSK63A-FMA1-1/4"-160  | 1-1/4" | 69.85 | 17.45 | 160 | 5/8-18 | 12.7   |
| HSK63A-FMA1-1/2"-160  | 1-1/2" | 78    | 23.83 | 160 | 3/4-16 | 15.875 |
| HSK100A-FMA3/4"-50    | 3/4"   | 44.45 | 17.45 | 50  | 3/8-24 | 7.93   |
| HSK100A-FMA1"-50      | 1"     | 57.15 | 17.45 | 50  | 1/2-20 | 9.525  |
| HSK100A-FMA1-1/4"-60  | 1-1/4" | 69.85 | 17.45 | 60  | 5/8-18 | 12.7   |
| HSK100A-FMA1-1/2"-60  | 1-1/2" | 78    | 23.83 | 60  | 3/4-16 | 15.875 |
| HSK100A-FMA3/4"-100   | 3/4"   | 44.45 | 17.45 | 100 | 3/8-24 | 7.93   |
| HSK100A-FMA1"-100     | 1"     | 57.15 | 17.45 | 100 | 1/2-20 | 9.525  |
| HSK100A-FMA1-1/4"-100 | 1-1/4" | 69.85 | 17.45 | 100 | 5/8-18 | 12.7   |
| HSK100A-FMA1-1/2"-100 | 1-1/2" | 78    | 23.83 | 100 | 3/4-16 | 15.875 |
| HSK100A-FMA3/4"-160   | 3/4"   | 44.45 | 17.45 | 160 | 3/8-24 | 7.93   |
| HSK100A-FMA1"-160     | 1"     | 57.15 | 17.45 | 160 | 1/2-20 | 9.525  |
| HSK100A-FMA1-1/4"-160 | 1-1/4" | 69.85 | 17.45 | 160 | 5/8-18 | 12.7   |
| HSK100A-FMA1-1/2"-160 | 1-1/2" | 78    | 23.83 | 160 | 3/4-16 | 15.875 |
| HSK125A-FMA3/4"-2-60  | 3/4"   | 44.45 | 17.45 | 60  | 3/8-24 | 7.93   |
| HSK125A-FMA1"-60      | 1"     | 57.15 | 17.45 | 60  | 1/2-20 | 9.525  |
| HSK125A-FMA1-1/2"-60  | 1-1/2" | 78    | 23.83 | 60  | 3/4-16 | 15.875 |
| HSK125A-FMA1"-100     | 1"     | 57.15 | 17.45 | 100 | 1/2-20 | 9.525  |
| HSK125A-FMA1-1/4"-100 | 1-1/4" | 69.85 | 17.45 | 100 | 5/8-18 | 12.7   |
| HSK125A-FMA1-1/2"-100 | 1-1/2" | 78    | 23.83 | 100 | 3/4-16 | 15.875 |
| HSK125A-FMA2"-100     | 2"     | 124   | -     | 100 | -      | -      |

## Face Mill Holder

### 面铣刀柄



|                                                                                            |                                                                                                               |                                                                                                       |                                                                                        |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  DIN6357 |  A $\nearrow$ $\leq 0.005$ |  RPM<br>G2.5/25000 |  AD |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|



| Size             | d  | D  | H  | L   | M   | W  |
|------------------|----|----|----|-----|-----|----|
| HSK50A-FMB16-50  | 16 | 38 | 17 | 50  | M8  | 8  |
| HSK50A-FMB22-60  | 22 | 48 | 19 | 60  | M10 | 10 |
| HSK50A-FMB27-60  | 27 | 58 | 21 | 60  | M12 | 12 |
| HSK50A-FMB32-60  | 32 | 78 | 24 | 60  | M16 | 14 |
| HSK63A-FMB16-50  | 16 | 38 | 17 | 50  | M8  | 8  |
| HSK63A-FMB22-50  | 22 | 48 | 19 | 50  | M10 | 10 |
| HSK63A-FMB27-60  | 27 | 58 | 21 | 60  | M12 | 12 |
| HSK63A-FMB32-60  | 32 | 78 | 24 | 60  | M16 | 14 |
| HSK63A-FMB16-100 | 16 | 38 | 17 | 100 | M8  | 8  |
| HSK63A-FMB22-100 | 22 | 48 | 19 | 100 | M10 | 10 |
| HSK63A-FMB27-100 | 27 | 58 | 21 | 100 | M12 | 12 |
| HSK63A-FMB32-100 | 32 | 78 | 24 | 100 | M16 | 14 |
| HSK63A-FMB16-160 | 16 | 38 | 17 | 160 | M8  | 8  |
| HSK63A-FMB22-160 | 22 | 48 | 19 | 160 | M10 | 10 |
| HSK63A-FMB27-160 | 27 | 58 | 21 | 160 | M12 | 12 |
| HSK63A-FMB32-160 | 32 | 78 | 24 | 160 | M16 | 14 |
| HSK63A-FMB16-200 | 16 | 38 | 17 | 200 | M8  | 8  |
| HSK63A-FMB22-200 | 22 | 48 | 19 | 200 | M10 | 10 |
| HSK63A-FMB27-200 | 27 | 58 | 21 | 200 | M12 | 12 |
| HSK63A-FMB32-200 | 32 | 78 | 24 | 200 | M16 | 14 |
| HSK80A-FMB22-50  | 22 | 48 | 19 | 50  | M10 | 10 |
| HSK80A-FMB27-50  | 27 | 58 | 21 | 50  | M12 | 12 |
| HSK80A-FMB32-60  | 32 | 78 | 24 | 60  | M16 | 14 |

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

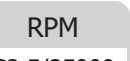
AD/B 可定制

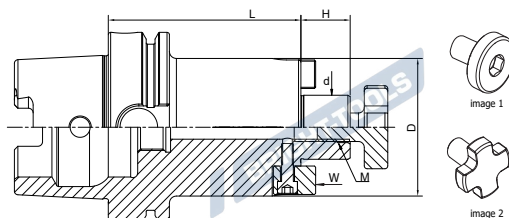
HSK

## Face Mill Holder

### 面铣刀柄



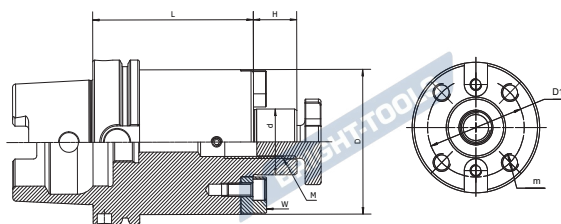
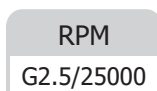
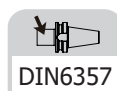
|                                                                                           |                                                                                                    |                                                                                                       |                                                                                        |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  DIN6357 |  A $\leq 0.003$ |  RPM<br>G2.5/25000 |  AD |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|



| Size              | d  | D  | H  | L   | M   | W  |
|-------------------|----|----|----|-----|-----|----|
| HSK100A-FMB16-50  | 16 | 38 | 17 | 50  | M8  | 8  |
| HSK100A-FMB22-50  | 22 | 48 | 19 | 50  | M10 | 10 |
| HSK100A-FMB27-50  | 27 | 58 | 21 | 50  | M12 | 12 |
| HSK100A-FMB32-60  | 32 | 78 | 24 | 60  | M16 | 14 |
| HSK100A-FMB16-100 | 16 | 38 | 17 | 100 | M8  | 8  |
| HSK100A-FMB22-100 | 22 | 48 | 19 | 100 | M10 | 10 |
| HSK100A-FMB27-100 | 27 | 58 | 21 | 100 | M12 | 12 |
| HSK100A-FMB32-100 | 32 | 78 | 24 | 100 | M16 | 14 |
| HSK100A-FMB16-160 | 16 | 38 | 17 | 160 | M8  | 8  |
| HSK100A-FMB22-160 | 22 | 48 | 19 | 160 | M10 | 10 |
| HSK100A-FMB27-160 | 27 | 58 | 21 | 160 | M12 | 12 |
| HSK100A-FMB32-160 | 32 | 78 | 24 | 160 | M16 | 14 |
| HSK100A-FMB16-200 | 16 | 38 | 17 | 200 | M8  | 8  |
| HSK100A-FMB22-200 | 22 | 48 | 19 | 200 | M10 | 10 |
| HSK100A-FMB27-200 | 27 | 58 | 21 | 200 | M12 | 12 |
| HSK100A-FMB32-200 | 32 | 78 | 24 | 200 | M16 | 14 |
| HSK100A-FMB16-250 | 16 | 38 | 17 | 250 | M8  | 8  |
| HSK100A-FMB22-250 | 22 | 48 | 19 | 250 | M10 | 10 |
| HSK100A-FMB27-250 | 27 | 58 | 21 | 250 | M12 | 12 |
| HSK100A-FMB32-250 | 32 | 78 | 24 | 250 | M16 | 14 |
| HSK100A-FMB22-300 | 22 | 48 | 19 | 300 | M10 | 10 |
| HSK100A-FMB27-300 | 27 | 58 | 21 | 300 | M12 | 12 |
| HSK100A-FMB32-300 | 32 | 78 | 24 | 300 | M16 | 14 |
| HSK125A-FMB22-60  | 22 | 48 | 19 | 60  | M10 | 10 |
| HSK125A-FMB27-60  | 27 | 58 | 21 | 60  | M12 | 12 |
| HSK125A-FMB32-60  | 32 | 78 | 24 | 60  | M16 | 14 |
| HSK125A-FMB27-100 | 27 | 58 | 21 | 100 | M12 | 14 |
| HSK125A-FMB32-100 | 32 | 78 | 24 | 100 | M16 | 12 |

## Face Mill Holder

### 面铣刀柄



| Size              | d  | D   | D1    | H  | L   | M   | m   | W    |
|-------------------|----|-----|-------|----|-----|-----|-----|------|
| HSK63A-FMB40-60   | 40 | 88  | 66.7  | 27 | 60  | M20 | M12 | 16   |
| HSK63A-FMB40-100  | 40 | 88  | 66.7  | 27 | 100 | M20 | M12 | 16   |
| HSK63A-FMB40-160  | 40 | 88  | 66.7  | 27 | 160 | M20 | M12 | 16   |
| HSK63A-FMB40-200  | 40 | 88  | 66.7  | 27 | 200 | M20 | M12 | 16   |
| HSK80A-FMB40-60   | 40 | 88  | 66.7  | 27 | 60  | M20 | M12 | 16   |
| HSK100A-FMB40-60  | 40 | 88  | 66.7  | 27 | 60  | M20 | M12 | 16   |
| HSK100A-FMB60-70  | 60 | 129 | 101.6 | 25 | 70  | M30 | M16 | 25.4 |
| HSK100A-FMB40-100 | 40 | 88  | 66.7  | 27 | 100 | M20 | M12 | 16   |
| HSK100A-FMB40-160 | 40 | 88  | 66.7  | 27 | 160 | M20 | M12 | 16   |
| HSK100A-FMB40-200 | 40 | 88  | 66.7  | 27 | 200 | M20 | M12 | 16   |
| HSK100A-FMB40-250 | 40 | 88  | 66.7  | 27 | 250 | M20 | M12 | 16   |
| HSK100A-FMB40-300 | 40 | 88  | 66.7  | 27 | 300 | M20 | M12 | 16   |
| HSK125A-FMB40-60  | 40 | 88  | 66.7  | 27 | 60  | M20 | M12 | 16   |
| HSK125A-FMB40-100 | 40 | 88  | 66.7  | 27 | 100 | M20 | M12 | 16   |

FMB40 tool holder is with one retaining screw (image 2) . but it is with one universal screw (image 1) in China.

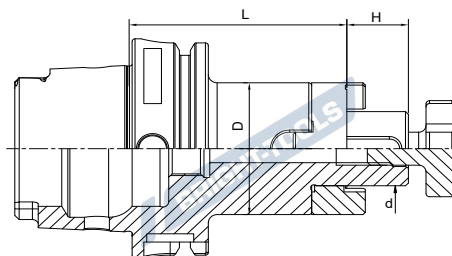
FMB40 刀柄中国市场面铣刀柄标配圆头螺钉 (图 1) , 其他国家标配十字花螺钉 (图 2).

## Combi Shell Mill Holder

### 混合插入式铣刀柄



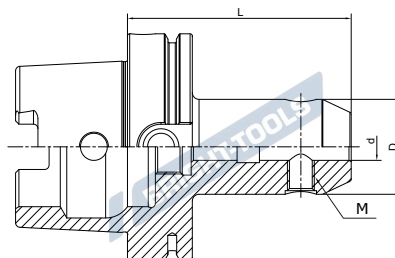
|                                                                                     |                                                                                     |            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----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



| Size              | d  | D  | L   | H  |
|-------------------|----|----|-----|----|
| 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



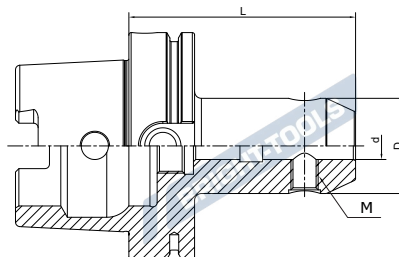
| Size             | d  | D  | L   | M     | Screw Quantity |
|------------------|----|----|-----|-------|----------------|
| HSK50A-SLA06-65  | 6  | 25 | 65  | M6    | 1              |
| HSK50A-SLA08-65  | 8  | 28 | 65  | M8    | 1              |
| HSK50A-SLA10-65  | 10 | 35 | 65  | M10   | 1              |
| 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 | 65 | 110 | M18*2 | 2              |
| HSK50A-SLA32-110 | 32 | 72 | 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 | M14   | 1              |
| HSK63A-SLA18-100 | 18 | 50 | 100 | M14   | 1              |
| HSK63A-SLA20-100 | 20 | 52 | 100 | M16   | 1              |

HSK

## End Mill Holder Weldon 侧固刀柄



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

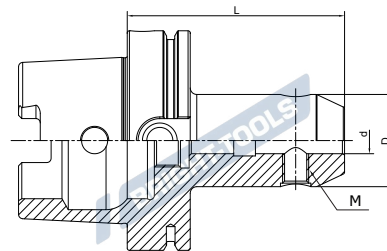


| Size              | d  | D   | L   | M     | Screw Quantity |
|-------------------|----|-----|-----|-------|----------------|
| HSK63A-SLA06-160  | 6  | 25  | 160 | M6    | 1              |
| HSK63A-SLA08-160  | 8  | 28  | 160 | M8    | 1              |
| HSK63A-SLA10-160  | 10 | 35  | 160 | M10   | 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                                                                     | ≤0.005                                                                              | G2.5/25000                                                                          | AD                                                                                  |

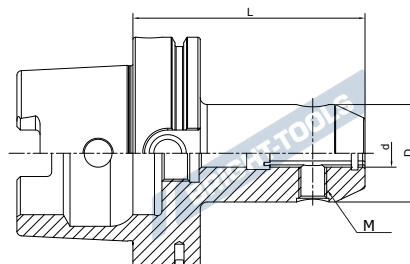


| Size              | d  | D   | L   | M     | Screw Quantity |
|-------------------|----|-----|-----|-------|----------------|
| HSK100A-SLA08-160 | 8  | 28  | 160 | M8    | 1              |
| HSK100A-SLA10-160 | 10 | 35  | 160 | M10   | 1              |
| HSK100A-SLA12-160 | 12 | 42  | 160 | M12   | 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

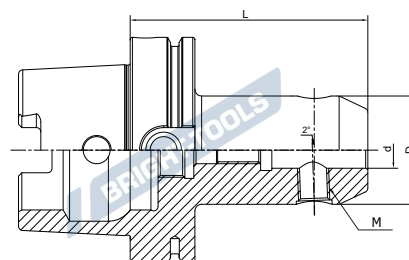
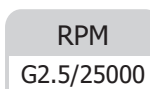
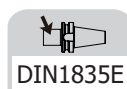
|                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| DIN6359/1835B                                                                     | $\leq 0.005$                                                                        | 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

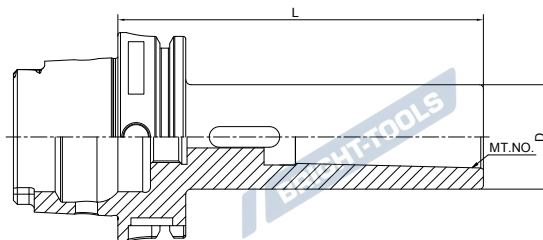
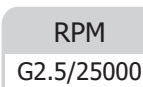
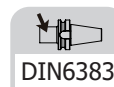
侧固式铣刀柄, 斜 2 度



| 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



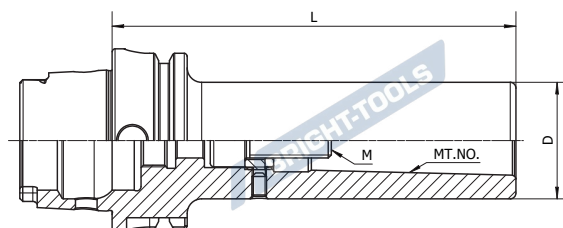
| Size             | MT. NO. | D  | L   |
|------------------|---------|----|-----|
| HSK50A-MTA1-100  | 1       | 25 | 100 |
| HSK50A-MTA2-120  | 2       | 32 | 120 |
| HSK50A-MTA3-140  | 3       | 40 | 140 |
| HSK63A-MTA1-100  | 1       | 25 | 100 |
| HSK63A-MTA2-120  | 2       | 32 | 120 |
| HSK63A-MTA3-140  | 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 |

**HSK**

## Morse Taper Adapter with Drawbar

带螺纹孔莫氏刀柄

|                                                                                                |                                                                                                    |                                                                                                          |
|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <br>DIN6364 | <br>A<br>≤0.005 | <br>RPM<br>G2.5/25000 |
|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|

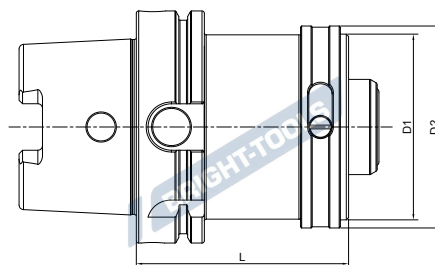


| Size             | MT. NO. | D  | L   | M   |
|------------------|---------|----|-----|-----|
| HSK50A-MTB1-100  | 1       | 25 | 100 | M6  |
| HSK50A-MTB2-120  | 2       | 32 | 120 | M10 |
| HSK50A-MTB3-140  | 3       | 40 | 140 | M12 |
| HSK63A-MTB1-100  | 1       | 25 | 100 | M6  |
| HSK63A-MTB2-120  | 2       | 32 | 120 | M10 |
| HSK63A-MTB3-140  | 3       | 40 | 140 | M12 |
| HSK63A-MTB4-160  | 4       | 48 | 160 | M16 |
| HSK80A-MTB1-110  | 1       | 25 | 110 | M6  |
| HSK80A-MTB2-120  | 2       | 32 | 120 | M10 |
| HSK80A-MTB3-150  | 3       | 40 | 150 | M12 |
| HSK80A-MTB4-170  | 4       | 48 | 170 | M16 |
| HSK100A-MTB1-110 | 1       | 25 | 110 | M6  |
| HSK100A-MTB2-120 | 2       | 32 | 120 | M10 |
| HSK100A-MTB3-150 | 3       | 40 | 150 | M12 |
| HSK100A-MTB4-170 | 4       | 48 | 170 | M16 |
| HSK100A-MTB5-200 | 5       | 63 | 200 | M20 |

**HSK**

## Tool Holder Adapter Sleeve

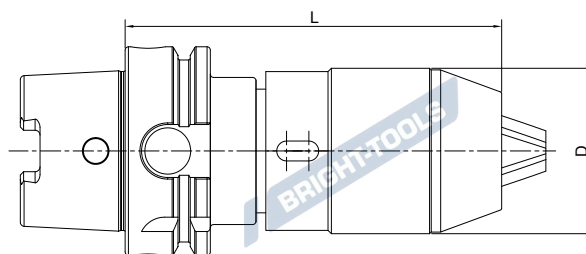
转换刀柄



| 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    | 32  | 37  | 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 |

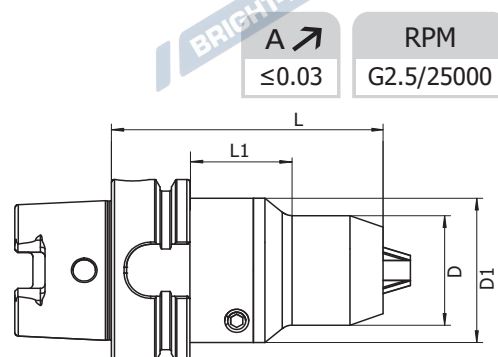
HSK

## APU Drill Chuck Holder APU 钻夹头刀柄



| Size              | D    | L   | Capacity |
|-------------------|------|-----|----------|
| HSK63A-APU13-130  | 50   | 130 | 1-13     |
| HSK63A-APU16-140  | 54.5 | 140 | 3-16     |
| HSK100A-APU13-140 | 50   | 140 | 1-13     |
| HSK100A-APU16-150 | 54.5 | 150 | 3-16     |

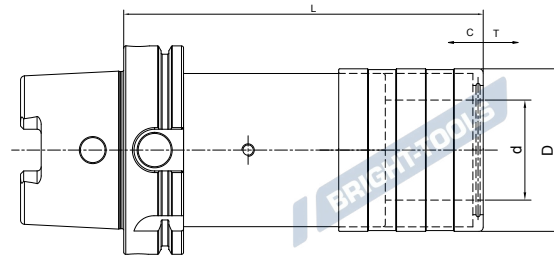
## Precision Drill Chuck Holder 精密钻夹头刀柄



| 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 | 54 | 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 | 54 | 148 | 12.5 | 12.5 |
| HSK100A-TC1433-210 | 48 | 78 | 210 | 22   | 22   |

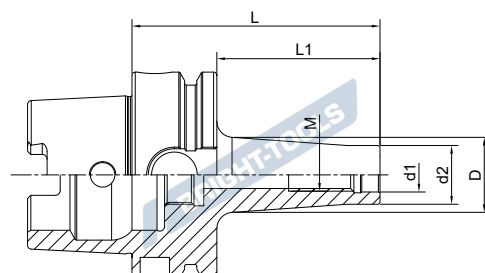
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## Screw-in Milling Cutter Holder

### 锁牙刀柄, 锥柄型



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



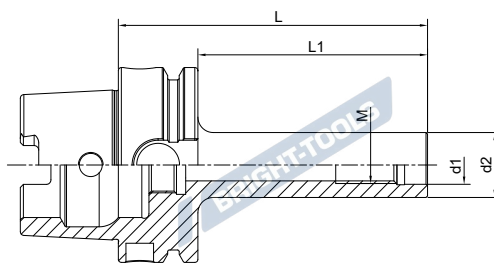
| Size                    | d1   | d2   | D  | L   | L1  | M  |
|-------------------------|------|------|----|-----|-----|----|
| HSK63A-SOM08-51 L=25    | 8.5  | 14.5 | 16 | 51  | 25  | 8  |
| HSK63A-SOM08-76 L=50    | 8.5  | 14.5 | 21 | 76  | 50  | 8  |
| HSK63A-SOM08-101 L=75   | 8.5  | 14.5 | 23 | 101 | 75  | 8  |
| HSK63A-SOM10-51 L=25    | 10.5 | 18   | 20 | 51  | 25  | 10 |
| HSK63A-SOM10-76 L=50    | 10.5 | 18   | 23 | 76  | 50  | 10 |
| HSK63A-SOM10-126 L=100  | 10.5 | 18   | 32 | 126 | 100 | 10 |
| HSK63A-SOM10-176 L=150  | 10.5 | 18   | 37 | 176 | 150 | 10 |
| HSK63A-SOM12-51 L=25    | 12.5 | 21   | 20 | 51  | 25  | 12 |
| HSK63A-SOM12-76 L=50    | 12.5 | 21   | 24 | 76  | 50  | 12 |
| HSK63A-SOM12-101 L=75   | 12.5 | 21   | 31 | 101 | 75  | 12 |
| HSK63A-SOM12-126 L=100  | 12.5 | 21   | 33 | 126 | 100 | 12 |
| HSK63A-SOM12-176 L=150  | 12.5 | 21   | 40 | 176 | 150 | 12 |
| HSK63A-SOM16-51 L=25    | 17   | 29   | 30 | 51  | 25  | 16 |
| HSK63A-SOM16-76 L=50    | 17   | 29   | 34 | 76  | 50  | 16 |
| HSK63A-SOM16-101 L=75   | 17   | 29   | 34 | 101 | 75  | 16 |
| HSK63A-SOM16-126 L=100  | 17   | 29   | 36 | 126 | 100 | 16 |
| HSK63A-SOM16-176 L=150  | 17   | 29   | 41 | 176 | 150 | 16 |
|                         |      |      |    |     |     |    |
| HSK100A-SOM08-79 L=50   | 8.5  | 14.5 | 26 | 79  | 50  | 8  |
| HSK100A-SOM10-79 L=50   | 10.5 | 18   | 33 | 79  | 50  | 10 |
| HSK100A-SOM10-129 L=100 | 10.5 | 18   | 32 | 129 | 100 | 10 |
| HSK100A-SOM10-179 L=150 | 10.5 | 18   | 37 | 179 | 150 | 10 |
| HSK100A-SOM12-79 L=50   | 12.5 | 21   | 30 | 79  | 50  | 12 |
| HSK100A-SOM12-129 L=100 | 12.5 | 21   | 33 | 129 | 100 | 12 |
| HSK100A-SOM12-179 L=150 | 12.5 | 21   | 40 | 179 | 150 | 12 |
| HSK100A-SOM16-79 L=50   | 17   | 29   | 34 | 79  | 50  | 16 |
| HSK100A-SOM16-129 L=100 | 17   | 29   | 36 | 129 | 100 | 16 |
| HSK100A-SOM16-179 L=150 | 17   | 29   | 41 | 179 | 150 | 16 |

## Screw-in Milling Cutter Holder

### 锁牙刀柄, 直柄型



|               |                   |    |
|---------------|-------------------|----|
| A ↗<br>≤0.005 | RPM<br>G2.5/25000 | AD |
|---------------|-------------------|----|



| Size                  | d1   | d2 | L   | L1  | M  |
|-----------------------|------|----|-----|-----|----|
| HSK63A-M10-126 L=100  | 10.5 | 18 | 126 | 100 | 10 |
| HSK63A-M10-176 L=150  | 10.5 | 18 | 176 | 150 | 10 |
| HSK63A-M12-101 L=75   | 12.5 | 21 | 101 | 75  | 12 |
| HSK63A-M12-126 L=100  | 12.5 | 21 | 126 | 100 | 12 |
| HSK63A-M12-176 L=150  | 12.5 | 21 | 176 | 150 | 12 |
| HSK63A-M16-101 L=75   | 17   | 29 | 101 | 75  | 16 |
| HSK63A-M16-126 L=100  | 17   | 29 | 126 | 100 | 16 |
| HSK63A-M16-176 L=150  | 17   | 29 | 176 | 150 | 16 |
| HSK100A-M10-129 L=100 | 10.5 | 18 | 129 | 100 | 10 |
| HSK100A-M10-179 L=150 | 10.5 | 18 | 179 | 150 | 10 |
| HSK100A-M12-129 L=100 | 12.5 | 21 | 129 | 100 | 12 |
| HSK100A-M12-179 L=150 | 12.5 | 21 | 179 | 150 | 12 |
| HSK100A-M16-129 L=100 | 17   | 29 | 129 | 100 | 16 |
| HSK100A-M16-179 L=150 | 17   | 29 | 179 | 150 | 16 |

BRIGHT-TOOLS

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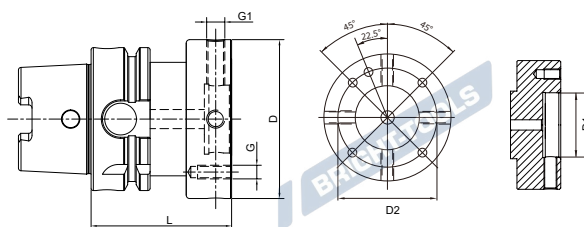
## Runout Adjustable Flange Adapter

### 可调节精度法兰刀柄

A ↗  
≤0.002

RPM  
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  | 160   | 60  | 30 | 44  | 55 | M5  | M8x1  |
| HSK160A-MOD070-55  | 160   | 70  | 35 | 53  | 55 | M6  | M8x1  |
| HSK160A-MOD080-55  | 160   | 80  | 40 | 63  | 55 | M6  | M8x1  |
| HSK160A-MOD100-65  | 160   | 100 | 50 | 79  | 65 | M8  | M10x1 |
| HSK160A-MOD117-65  | 160   | 117 | 60 | 96  | 65 | M8  | M10x1 |
| HSK160A-MOD140-75  | 160   | 140 | 80 | 119 | 75 | M10 | M10x1 |

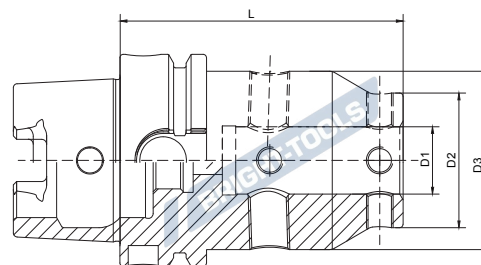
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## UM Adjustable Tool Holder

### UM 调零刀柄



|               |                   |    |
|---------------|-------------------|----|
| A ↗<br>≤0.003 | RPM<br>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 |

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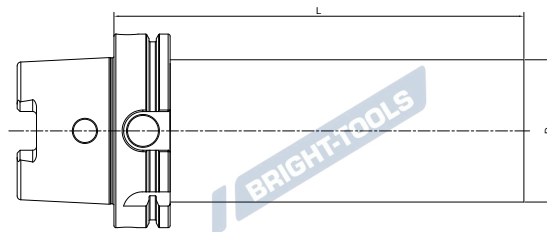
BRIGHT-TOOLS

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## Boring Bar Blank

### 基础柄

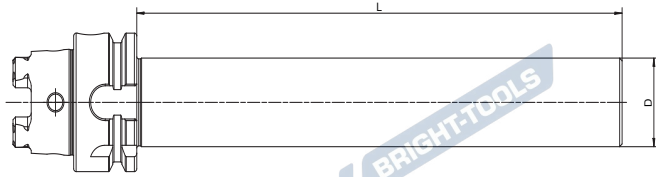


| Size             | D   | L   |
|------------------|-----|-----|
| HSK50A-D050-160  | 50  | 160 |
| HSK50A-D065-200  | 65  | 200 |
|                  |     |     |
| HSK63A-D065-160  | 65  | 160 |
| HSK63A-D065-210  | 65  | 210 |
| HSK63A-D065-250  | 65  | 250 |
| HSK63A-D065-300  | 65  | 300 |
|                  |     |     |
| 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.

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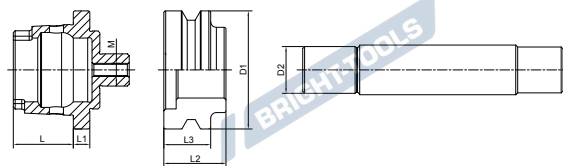
**Test Arbor**  
**主轴检测棒**A ↗  
≤0.002

| Size           | D  | L   |
|----------------|----|-----|
| HSK50A-32-200  | 32 | 200 |
| HSK63A-40-300  | 40 | 300 |
| HSK80A-50-300  | 50 | 300 |
| HSK100A-50-300 | 50 | 300 |

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## Alignment Tool for ATC Arm

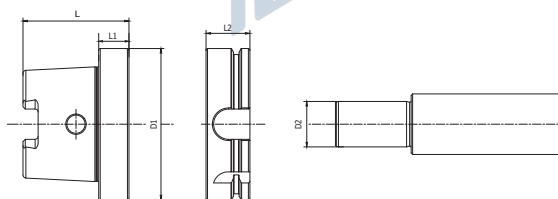
调整机械手用组合模具



| 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