

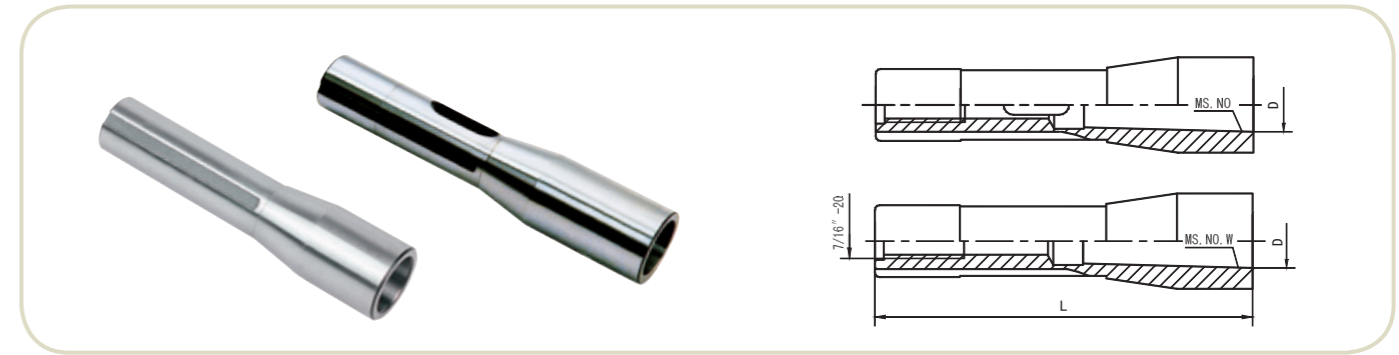
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## MACHINE ARBOR & ADAPTER & TOOLHOLDER



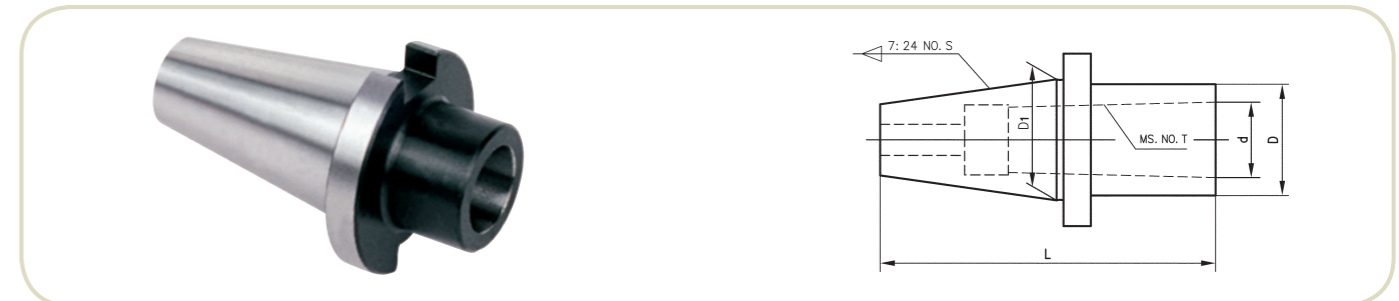
## SLEEVE SERIES

### RH-00150 R8 TO MS SLEEVES



| Order No. | MS.NO.W | D(mm)  | L(mm) | Order No. | MS.NO | D(mm)  | L(mm) |
|-----------|---------|--------|-------|-----------|-------|--------|-------|
| BR8-1W    | 1       | 12.065 | 102   | BR8-1     | 1     | 12.065 | 114   |
| BR8-2W    | 2       | 17.780 | 105   | BR8-2     | 2     | 17.780 | 127   |
| BR8-3W    | 3       | 23.825 | 135   | BR8-3     | 3     | 23.825 | 153   |
| BR8-4W    | 4       | 31.267 | 218   | BR8-4     | 4     | 31.267 | 240   |

### RH-00152 7:24 TO MS ADAPTER(END OPENING TYPE)



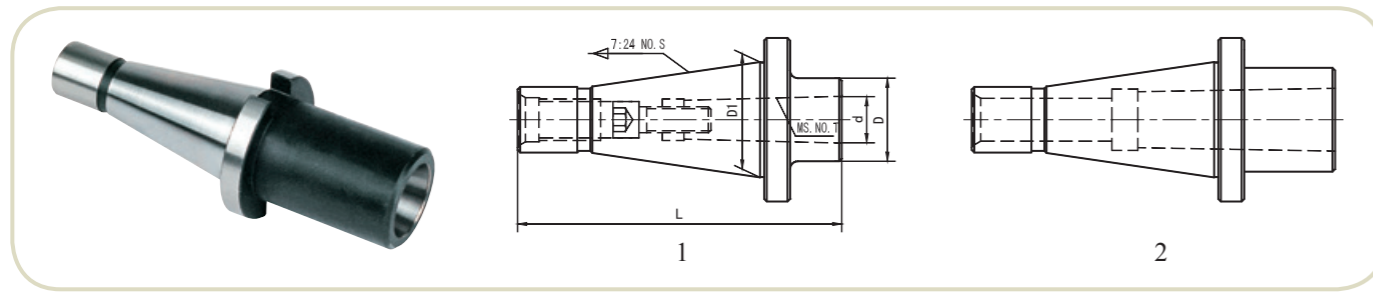
| Order No. | 7:24 NO.S | MS.NO.T | D(mm) | D <sub>1</sub> (mm) | d(mm)  | L(mm) |
|-----------|-----------|---------|-------|---------------------|--------|-------|
| B30W-1    | 30        | MS1     | 24    | 31.75               | 12.065 | 75    |
| B30W-2    | 30        | MS2     | 30    | 31.75               | 17.780 | 100   |
| B30W-3    | 30        | MS3     | 36    | 31.75               | 23.825 | 130   |
| B30W-4    | 30        | MS4     | 48    | 31.75               | 31.267 | 162.6 |
| B40W-1    | 40        | MS1     | 24    | 44.45               | 12.065 | 80    |
| B40W-2    | 40        | MS2     | 30    | 44.45               | 17.780 | 85    |
| B40W-3    | 40        | MS3     | 36    | 44.45               | 23.825 | 100   |
| B40W-4    | 40        | MS4     | 48    | 44.45               | 31.267 | 145   |
| B40W-5    | 40        | MS5     | 61    | 44.45               | 44.399 | 225   |
| B50W-1    | 50        | MS1     | 25    | 69.85               | 12.065 | 127   |
| B50W-2    | 50        | MS2     | 32    | 69.85               | 17.780 | 127   |
| B50W-3    | 50        | MS3     | 40    | 69.85               | 23.825 | 127   |
| B50W-4    | 50        | MS4     | 48    | 69.85               | 31.267 | 127   |
| B50W-5    | 50        | MS5     | 61    | 69.85               | 44.399 | 180   |



# SLEEVE SERIES

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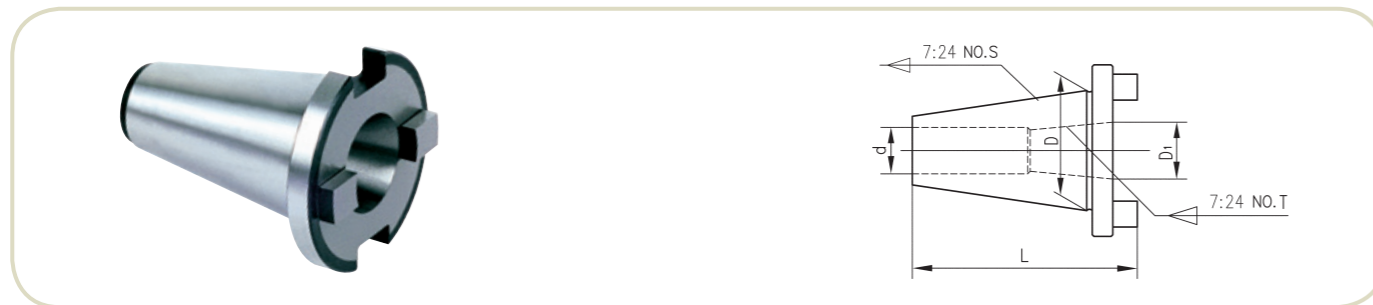
## RH-00153 7:24 TO MS ADAPTER(DRAW BAR TYPE)



| Order No. | 7:24 NO.S | MS.NO.T | D(mm) | D1(mm) | d(mm)  | L(mm) | Figure |
|-----------|-----------|---------|-------|--------|--------|-------|--------|
| B30-1W    | 30        | MS1     | 25    | 31.75  | 12.065 | 105   | 1      |
| B30-2W    | 30        | MS2     | 32    |        | 17.780 | 118   | 2      |
| B30-3W    | 30        | MS3     | 40    |        | 23.825 | 155   | 2      |
| B40-1W    | 40        | MS1     | 25    | 44.45  | 12.065 | 120   | 1      |
| B40-2W    | 40        | MS2     | 32    |        | 17.780 | 120   | 1      |
| B40-3W    | 40        | MS3     | 40    |        | 23.825 | 140   | 2      |
| B40-4W    | 40        | MS4     | 48    |        | 31.267 | 178   | 2      |
| B40-5W    | 40        | MS5     | 61    |        | 44.399 | 238   | 2      |
| B50-1W    | 50        | MS1     | 25    | 69.85  | 12.065 | 160   | 1      |
| B50-2W    | 50        | MS2     | 32    |        | 17.780 | 160   | 1      |
| B50-3W    | 50        | MS3     | 40    |        | 23.825 | 160   | 1      |
| B50-4W    | 50        | MS4     | 48    |        | 31.267 | 180   | 1      |
| B50-5W    | 50        | MS5     | 61    |        | 44.399 | 210   | 2      |

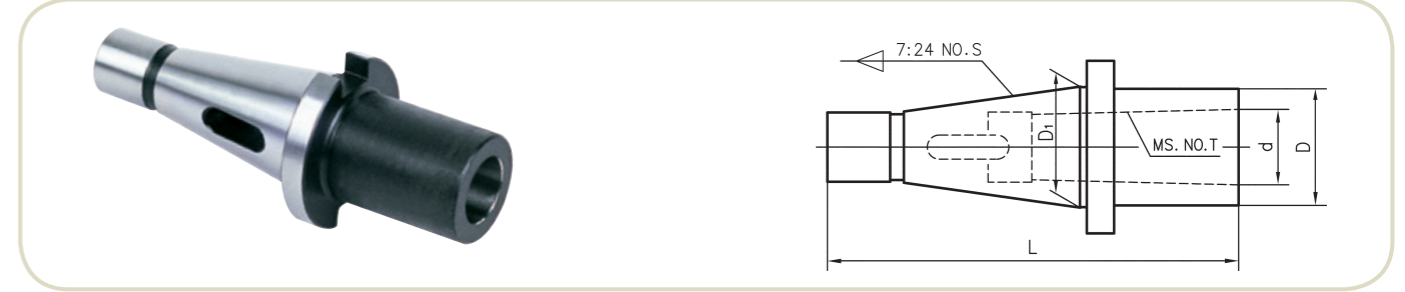
Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.

## RH-00156 7:24 TO 7:24 MS ADAPTER



| Order No. | 7:24 NO.S | 7:24 NO.T | D(mm) | D1(mm) | d(mm) | L(mm) |
|-----------|-----------|-----------|-------|--------|-------|-------|
| B40W-30   | 40        | 30        | 44.45 | 31.75  | 18    | 86    |
| B50W-30   | 50        | 30        | 69.85 | 31.75  | 18    | 129.5 |
| B50W-40   | 50        | 40        | 69.85 | 44.45  | 26    | 131.5 |

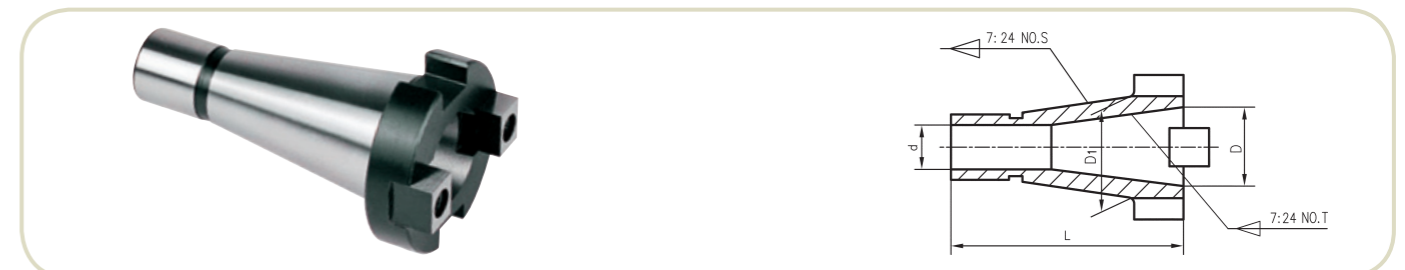
## RH-00154 7:24 TO MS ADAPTER(WITH TANG)



| Order No. | 7:24 NO.S | MS.NO.T | D(mm) | D1(mm) | d(mm)  | L(mm) |
|-----------|-----------|---------|-------|--------|--------|-------|
| B30-MS1   | 30        | MS1     | 25    | 31.75  | 12.065 | 118   |
| B30-MS2   |           | MS2     | 32    |        | 17.780 | 118   |
| B30-MS3   |           | MS3     | 40    |        | 23.825 | 138   |
| B30-MS4   |           | MS4     | 48    |        | 31.267 | 212   |
| B40-MS1   | 40        | MS1     | 25    | 44.45  | 12.065 | 143   |
| B40-MS2   |           | MS2     | 32    |        | 17.780 | 143   |
| B40-MS3   |           | MS3     | 40    |        | 23.825 | 158   |
| B40-MS4   |           | MS4     | 48    |        | 31.267 | 188   |
| B40-MS5   |           | MS5     | 61    |        | 44.399 | 273   |
| B50-MS1   | 50        | MS1     | 25    | 69.85  | 12.065 | 172   |
| B50-MS2   |           | MS2     | 32    |        | 17.780 | 187   |
| B50-MS3   |           | MS3     | 40    |        | 23.825 | 192   |
| B50-MS4   |           | MS4     | 48    |        | 31.267 | 197   |
| B50-MS5   |           | MS5     | 61    |        | 44.399 | 232   |

Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.

## RH-00162 7:24 TO 7:24 ADAPTER



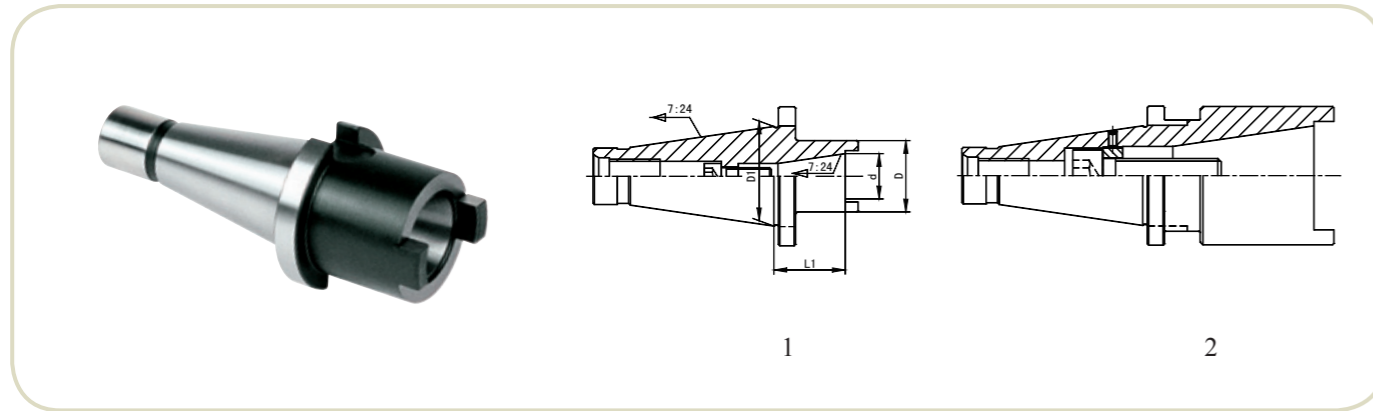
| Order No. | 7:24 NO.S | 7:24 NO.T | D1(mm) | D(mm) | L(mm) |
|-----------|-----------|-----------|--------|-------|-------|
| B40/30    | 40        | 30        | 44.45  | 31.75 | 110   |
| B50/30    | 50        | 40        | 69.85  |       | 145   |
| B50/40    |           |           |        | 44.45 | 145   |



# SLEEVE SERIES

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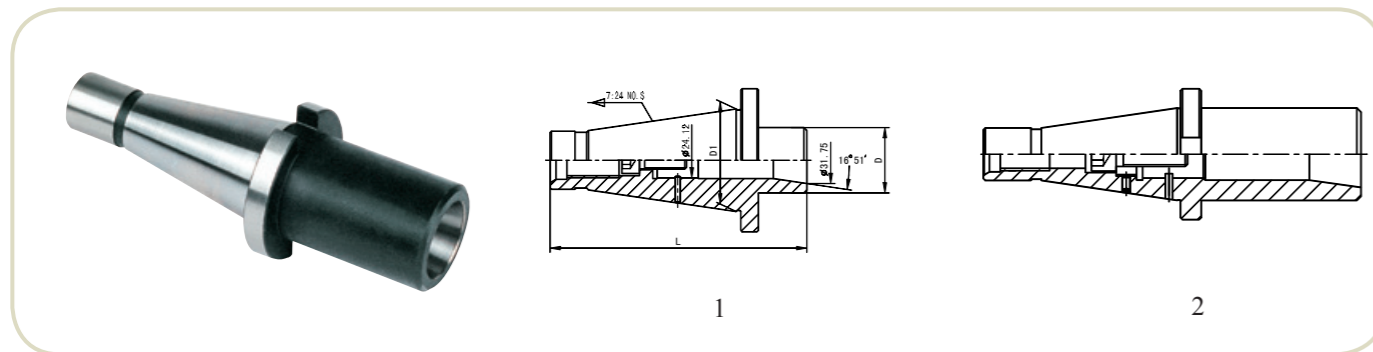
## RH-00158 7:24 TO 7:24 ADAPTER(WITH DRAW BAR)



| Order No. | 7:24 NO.S | 7:24 NO.T | D(mm) | d(mm) | D1(mm) | L1(mm) | Figure |
|-----------|-----------|-----------|-------|-------|--------|--------|--------|
| B40-30W   | 40        | 30        | 50    | 31.75 | 44.45  | 50     | 2      |
| B40-40W   | 40        | 40        | 63    | 44.45 | 44.45  | 100    | 2      |
| B50-30W   | 50        | 30        | 50    | 31.75 | 69.85  | 50     | 1      |
| B50-40W   | 50        | 40        | 70    | 44.45 | 69.85  | 70     | 1      |
| B50-50W   | 50        | 50        | 97    | 69.85 | 69.85  | 120    | 2      |

Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.

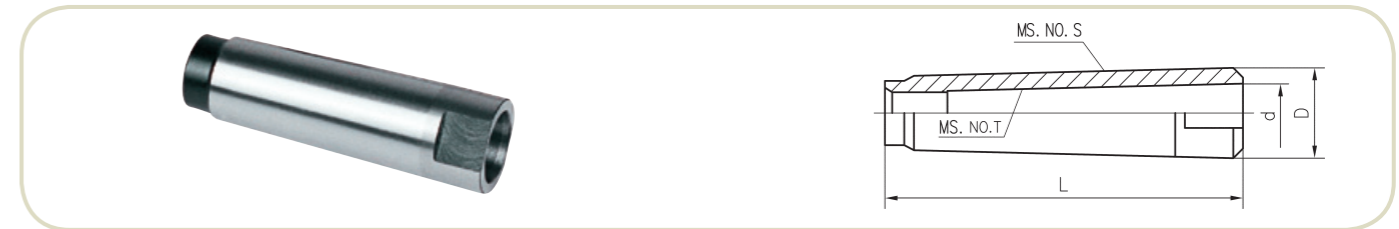
## RH-00164 7:24 TO R8 ADAPTER



| Order No. | 7:24 NO.S | D1    | L     | D    | Figure |
|-----------|-----------|-------|-------|------|--------|
| B30-R8    | 30        | 31.75 | 192   | 42   | 2      |
| B40-R8    | 40        | 44.45 | 178.6 | 44.5 | 2      |
| B50-R8    | 50        | 69.85 | 175   | 44.5 | 1      |

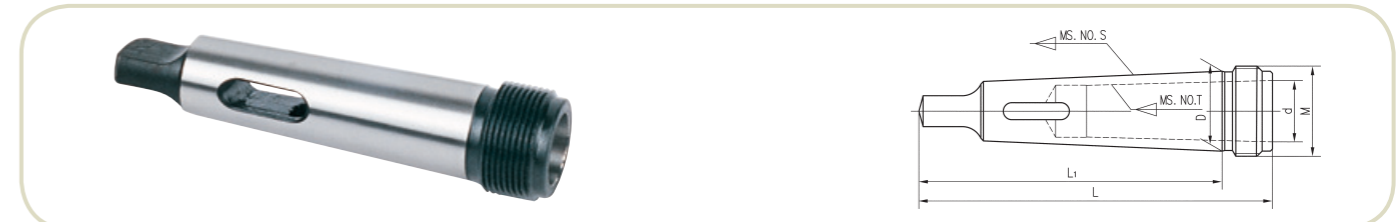
Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.

## RH-00166 MORSE TAPER SLEEVES



| Order No. | MS NO.S | MS.NO.T | D(mm) | d(mm)  | L(mm) | Wt(kg) | Accuracy(mm) |
|-----------|---------|---------|-------|--------|-------|--------|--------------|
| BZ2-1     | 2       | 1       | 18    | 12.065 | 74    | 0.10   | 0.015        |
| BZ3-1     | 3       | 2       | 24.1  | 17.780 | 80    | 0.24   |              |
| BZ3-2     |         |         |       |        |       | 0.12   |              |
| BZ4-1     | 4       | 1       | 31.6  | 12.065 | 90    | 0.63   | 0.020        |
| BZ4-2     |         | 2       |       | 17.780 |       | 0.50   |              |
| BZ4-3     |         | 3       |       | 23.825 |       | 0.38   |              |
| BZ5-2     | 5       | 2       | 44.7  | 17.780 | 110   | 1.49   | 0.025        |
| BZ5-3     |         | 3       |       | 23.825 |       | 1.36   |              |
| BZ5-4     |         | 4       |       | 31.267 |       | 0.95   |              |
| BZ6-3     | 6       | 3       | 63.8  | 23.825 | 130   | 3.58   | 0.025        |
| BZ6-4     |         | 4       |       | 31.267 |       | 3.12   |              |
| BZ6-5     |         | 5       |       | 44.399 |       | 1.95   |              |
| BZ7-5     | 7       | 5       | 83.56 | 44.399 | 195   | 1.69   |              |

## RH-001672 274 MORSE TAPER SLEEVES



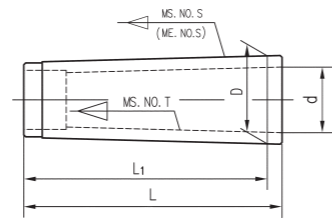
| Order No. | MS NO.S | MS.NO.T | L(mm) | L1(mm) | D(mm)  | d(mm)  | M       | (mm) Accuracy |
|-----------|---------|---------|-------|--------|--------|--------|---------|---------------|
| 274-2/1   | 2       | 1       | 95    | 75     | 17.780 | 12.065 | M22X1.5 | 0.015         |
| 274-3/1   | 3       | 2       | 115   | 94     | 23.825 | 17.780 | M28X1.5 | 0.020         |
| 274-3/2   |         |         |       |        |        |        |         |               |
| 274-4/1   | 4       | 1       | 137   | 117.5  | 31.267 | 12.065 | M35X1.5 | 0.030         |
| 274-4/2   |         | 2       |       |        |        | 17.780 |         |               |
| 274-4/3   |         | 3       |       |        |        | 23.825 |         |               |
| 274-5/2   | 5       | 2       | 173   | 149.5  | 44.399 | 17.780 | M48X1.5 | 0.040         |
| 274-5/3   |         | 3       |       |        |        | 23.825 |         |               |
| 274-5/4   |         | 4       |       |        |        | 31.267 |         |               |
| 274-6/3   | 6       | 3       | 240   | 210    | 63.348 | 23.825 | M68X1.5 | 0.040         |
| 274-6/4   |         | 4       |       |        |        | 31.267 |         |               |
| 274-6/5   |         | 5       |       |        |        | 44.399 |         |               |



# SLEEVE SERIES

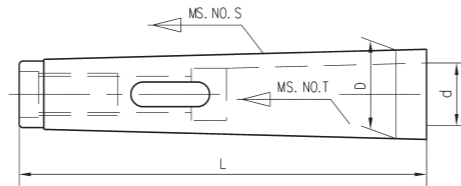
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## RH-001670 273 MORSE TAPER SLEEVES



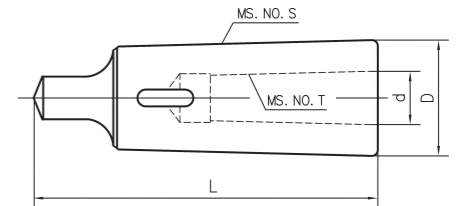
| Order No. | MS.NO.S<br>ME.NO.S | MS.NO.T | L(mm) | L1(mm) | D(mm)  | d(mm)  |
|-----------|--------------------|---------|-------|--------|--------|--------|
| 273-20/10 | MS2                | 1       | 60    | 56     | 17.780 | 12.065 |
| 273-30/10 | MS3                | 2       | 70    | 66     | 23.825 | 17.780 |
| 273-30/20 |                    |         |       |        |        |        |
| 273-40/20 | MS4                | 3       | 77    | 63.5   | 31.267 | 23.825 |
| 273-40/30 |                    |         |       |        |        |        |
| 273-50/20 | MS5                | 4       | 110   | 103.5  | 63.348 | 17.780 |
| 273-50/30 |                    |         |       |        |        | 23.825 |
| 273-50/40 |                    |         |       |        |        | 31.267 |
| 273-60/30 | MS6                | 3       | 70    | 66     | 23.825 | 23.825 |
| 273-60/40 |                    |         |       |        |        | 31.267 |
| 273-60/50 | ME40               | 4       | 86    | 70     | 40     | 44.399 |
| 273-04/30 |                    |         |       |        |        | 23.825 |
| 273-04/40 | ME50               | 3       | 100   | 70     | 50     | 31.267 |
| 273-05/30 |                    |         |       |        |        | 23.825 |
| 273-05/40 | ME60               | 4       | 110   | 80     | 60     | 31.267 |
| 273-05/50 |                    |         |       |        |        | 44.399 |
| 273-06/40 | ME70               | 5       | 120   | 90     | 90     | 31.267 |
| 273-06/50 |                    |         |       |        |        | 44.399 |
| 273-07/40 | ME80               | 4       | 120   | 90     | 90     | 31.267 |
| 273-07/50 |                    |         |       |        |        | 44.399 |
| 273-08/40 | ME90               | 5       | 120   | 90     | 90     | 63.348 |
| 273-08/50 |                    |         |       |        |        | 44.399 |
| 273-08/60 |                    | 6       | 120   | 90     | 90     | 63.348 |
| 273-09/50 |                    |         |       |        |        | 44.399 |
| 273-09/60 |                    | 6       | 120   | 90     | 90     | 63.348 |

## RH-00169 MORSE TAPER SLEEVES(DRAWBAR TYPE)



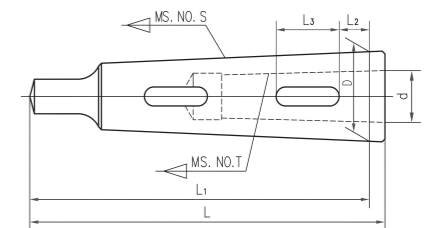
| Order No. | MS.NO.S | MS.NO.T | D(mm)  | d(mm)  | L(mm) | Accuracy (mm) |
|-----------|---------|---------|--------|--------|-------|---------------|
| BM2-1     | 2       | 1       | 17.780 | 12.065 | 108.5 | 0.01          |
| BM3-1     | 3       | 1       | 23.825 | 12.065 | 106   |               |
| BM3-2     | 3       | 2       | 23.825 | 17.780 | 116   |               |
| BM4-1     | 4       | 1       | 31.267 | 12.065 | 110   |               |
| BM4-2     | 4       | 2       | 31.267 | 17.780 | 120   |               |
| BM4-3     | 4       | 3       | 31.267 | 23.825 | 140   |               |
| BM5-1     | 5       | 1       | 44.399 | 12.065 | 136   | 0.02          |
| BM5-2     | 5       | 2       | 44.399 | 17.780 | 136   |               |
| BM5-3     | 5       | 3       | 44.399 | 23.825 | 148   |               |
| BM5-4     | 5       | 4       | 44.399 | 31.267 | 176   |               |

## RH-00170 DIN2185 MORSE TAPER SLEEVES



| Order No. | MS.NO.S | MS.NO.T | D(mm) | d(mm)  | L(mm) | Wt (kg) | Accuracy (mm) |
|-----------|---------|---------|-------|--------|-------|---------|---------------|
| B1-0      | 1       | 0       | 13    | 9.045  | 80    | 0.10    | 0.015         |
| B2-1      | 2       | 1       | 18.6  | 12.065 | 92    | 0.10    |               |
| B3-1      | 3       |         | 24.1  |        | 99    | 0.24    |               |
| B3-2      |         | 2       | 24.7  | 112    | 0.12  |         |               |
| B4-1      | 4       | 1       | 31.6  | 12.065 | 124   | 0.60    |               |
| B4-2      |         | 2       |       | 17.780 |       | 0.50    |               |
| B4-3      |         | 3       |       | 32.4   | 140   | 0.38    |               |
| B5-1      | 5       | 1       | 44.7  | 12.065 | 156   | 1.59    |               |
| B5-2      |         | 2       |       | 17.780 |       | 1.49    |               |
| B5-3      |         | 3       |       | 23.825 |       | 1.36    |               |
| B5-4      | 6       | 4       | 63.8  | 31.267 | 218   | 0.95    |               |
| B6-1      |         | 1       |       | 12.065 |       | 3.84    |               |
| B6-2      |         | 2       |       | 17.780 |       |         | 3.73          |
| B6-3      |         | 3       |       | 23.825 |       | 3.85    |               |
| B6-4      |         | 4       |       | 31.267 |       | 3.12    |               |
| B6-5      | 5       | 44.399  | 1.95  |        |       |         |               |

## RH-00171 277 MORSE TAPER SLEEVES



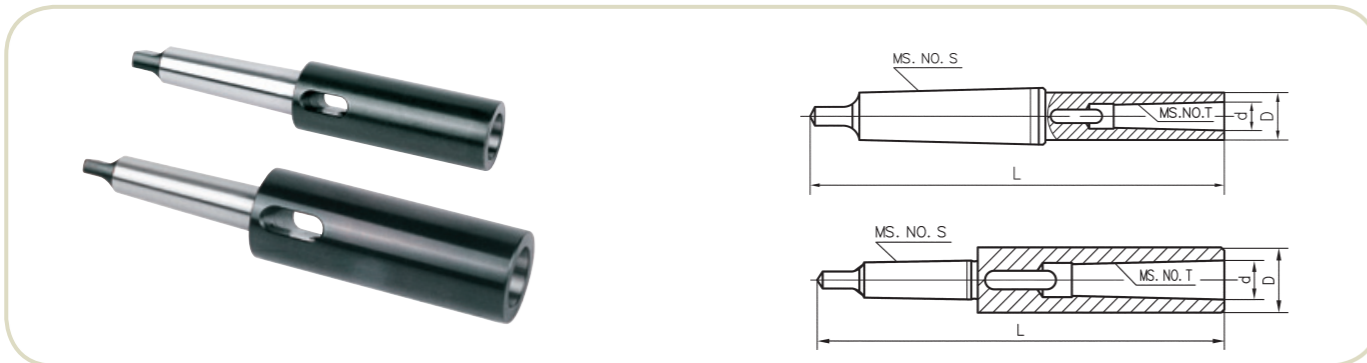
| Order No. | MS.NO.S | MS.NO.T | L(mm) | L1(mm) | D(mm)  | d(mm)  | L2(mm) | L3(mm) |
|-----------|---------|---------|-------|--------|--------|--------|--------|--------|
| 277-30-10 | 3       | 1       | 99    | 94     | 23.825 | 12.065 | 13.5   | 19     |
| 277-30-20 |         | 2       | 112   |        |        | 17.780 | 5.5    | 22     |
| 277-40-10 | 4       | 1       | 124   | 117.5  | 31.267 | 12.065 | 12.5   | 19     |
| 277-40-20 |         | 2       | 124   |        |        | 17.780 | 16     | 22     |
| 277-40-30 |         | 3       | 129.5 |        |        | 23.825 | 24     | 36     |
| 277-08-50 | ME80    | 5       | 228   | 220    | 80     | 44.399 | 22     | 48     |
| 277-08-60 | ME80    | 6       | 280   |        |        | 63.348 | 22     | 48     |



# SLEEVE SERIES

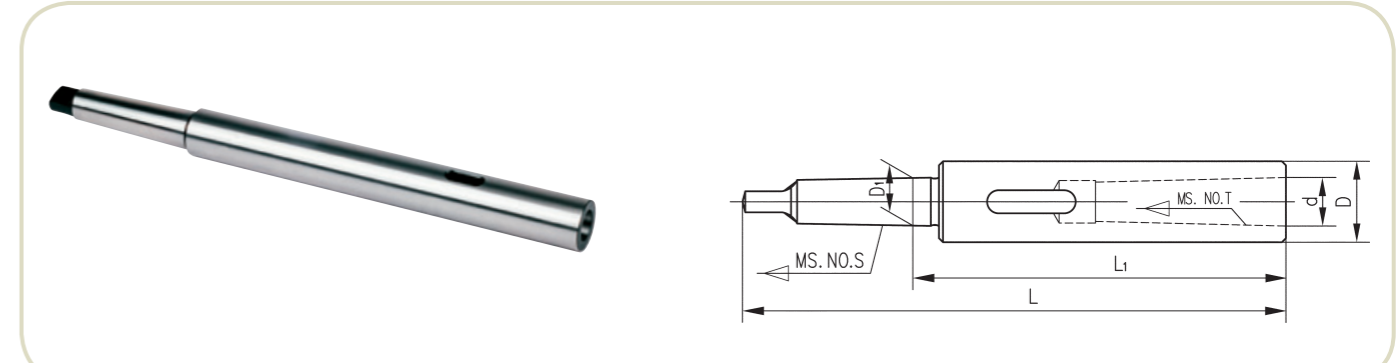
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RH-00172 DIN2187 EXTENSION SOCKET WITH MS.HOLE



| Order No. | MS.NO.S | MS.NO.T | D(mm) | d(mm)  | L(mm) | Wt(kg) | Accuracy (mm) |
|-----------|---------|---------|-------|--------|-------|--------|---------------|
| BL1-1     | 1       | 1       | 20    | 12.065 | 145   | 0.19   | 0.03          |
| BL1-2     |         | 2       | 30    | 17.780 | 160   | 0.40   |               |
| BL1-3     |         | 3       | 36    | 23.825 | 181   | 0.40   |               |
| BL2-1     | 2       | 1       | 20    | 12.065 | 160   | 0.29   |               |
| BL2-2     |         | 2       | 30    | 17.780 | 175   | 0.50   |               |
| BL2-3     |         | 3       | 36    | 23.825 | 196   | 0.60   |               |
| BL2-4     |         | 4       | 48    | 31.267 | 221   | 1.43   |               |
| BL3-1     | 3       | 1       | 20    | 12.065 | 175   | 0.41   |               |
| BL3-2     |         | 2       | 30    | 17.780 | 194   | 0.62   |               |
| BL3-3     |         | 3       | 36    | 23.825 | 215   | 0.89   |               |
| BL3-3A    |         | 3       | 40    | 23.825 | 215   | 1.10   |               |
| BL3-4     |         | 4       | 48    | 31.267 | 240   | 1.55   |               |
| BL3-5     |         | 5       | 63    | 44.399 | 275   | 2.80   |               |
| BL4-1     | 4       | 1       | 20    | 12.065 | 200   | 0.81   |               |
| BL4-2     |         | 2       | 30    | 17.780 | 215   | 1.00   |               |
| BL4-3     |         | 3       | 36    | 23.825 | 240   | 1.27   |               |
| BL4-4     |         | 4       | 48    | 31.267 | 265   | 1.93   |               |
| BL4-5     |         | 5       | 63    | 44.399 | 300   | 3.18   |               |
| BL4-6     |         | 6       | 85    | 63.348 | 368   | 6.50   |               |
| BL5-1     | 5       | 1       | 20    | 12.065 | 232   | 1.79   |               |
| BL5-2     |         | 2       | 30    | 17.780 | 247   | 2.00   |               |
| BL5-3     |         | 3       | 36    | 23.825 | 268   | 2.27   |               |
| BL5-4     |         | 4       | 48    | 31.267 | 300   | 2.93   |               |
| BL5-5     |         | 5       | 63    | 44.399 | 335   | 4.18   |               |
| BL5-6     |         | 6       | 85    | 63.348 | 403   | 6.70   |               |
| BL6-1     | 6       | 1       | 20    | 12.065 | 294   | 4.40   |               |
| BL6-2     |         | 2       | 30    | 17.780 | 309   | 4.25   |               |
| BL6-3     |         | 3       | 36    | 23.825 | 330   | 4.52   |               |
| BL6-4     |         | 4       | 48    | 31.267 | 355   | 5.18   |               |
| BL6-5     |         | 5       | 63    | 44.399 | 390   | 6.43   |               |

RH-001730 EXTENSION SOCKET WITH MS.HOLE



| Order No.   | MS.NO.S | MS.NO.T | L(mm) | L1(mm) | D(mm) | d(mm)  | D1(mm) |     |     |    |        |        |
|-------------|---------|---------|-------|--------|-------|--------|--------|-----|-----|----|--------|--------|
| BLA-1/1-175 | 1       | 1       | 175   | 113    | 20    | 12.065 | 12.065 |     |     |    |        |        |
| BLA-1/1-200 |         |         | 200   | 138    |       |        |        |     |     |    |        |        |
| BLA-1/1-250 |         |         | 250   | 188    |       |        |        |     |     |    |        |        |
| BLA-1/1-300 |         |         | 300   | 238    |       |        |        |     |     |    |        |        |
| BLA-1/1-350 |         |         | 350   | 288    |       |        |        |     |     |    |        |        |
| BLA-1/1-400 |         |         | 400   | 338    |       |        |        |     |     |    |        |        |
| BLA-1/1-450 |         |         | 450   | 388    |       |        |        |     |     |    |        |        |
| BLA-1/1-500 |         |         | 500   | 438    |       |        |        |     |     |    |        |        |
| BLA-2/1-215 |         |         | 2     | 2      |       |        |        | 215 | 140 | 25 | 17.780 | 17.780 |
| BLA-2/1-332 |         |         |       |        |       |        |        | 332 | 257 |    |        |        |
| BLA-2/2-200 | 200     | 125     |       |        |       |        |        |     |     |    |        |        |
| BLA-2/2-225 | 225     | 150     |       |        |       |        |        |     |     |    |        |        |
| BLA-2/2-250 | 250     | 175     |       |        |       |        |        |     |     |    |        |        |
| BLA-2/2-300 | 300     | 225     |       |        |       |        |        |     |     |    |        |        |
| BLA-2/2-350 | 350     | 275     |       |        |       |        |        |     |     |    |        |        |
| BLA-2/2-400 | 400     | 325     |       |        |       |        |        |     |     |    |        |        |
| BLA-2/2-450 | 450     | 375     |       |        |       |        |        |     |     |    |        |        |
| BLA-2/2-500 | 500     | 425     |       |        |       |        |        |     |     |    |        |        |
| BLA-2/2-600 | 600     | 525     |       |        |       |        |        |     |     |    |        |        |
| BLA-2/3-300 | 3       | 2       | 300   | 225    | 34    | 23.825 | 23.825 |     |     |    |        |        |
| BLA-3/2-254 |         |         | 254   | 160    | 25    | 17.780 |        |     |     |    |        |        |
| BLA-3/2-300 |         |         | 300   | 206    |       |        |        |     |     |    |        |        |
| BLA-3/2-320 |         |         | 320   | 226    |       |        |        |     |     |    |        |        |
| BLA-3/2-354 |         |         | 354   | 260    | 30    | 25     |        |     |     |    |        |        |
| BLA-3/2-415 |         |         | 415   | 321    |       |        |        |     |     |    |        |        |
| BLA-3/2-704 | 704     | 610     |       |        |       |        |        |     |     |    |        |        |



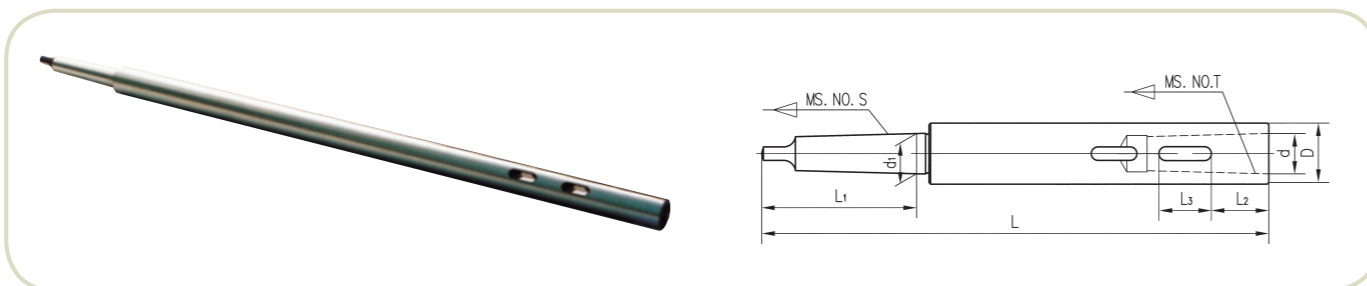
# SLEEVE SERIES

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## RH-001730 EXTENSION SOCKET WITH MS. HOLE

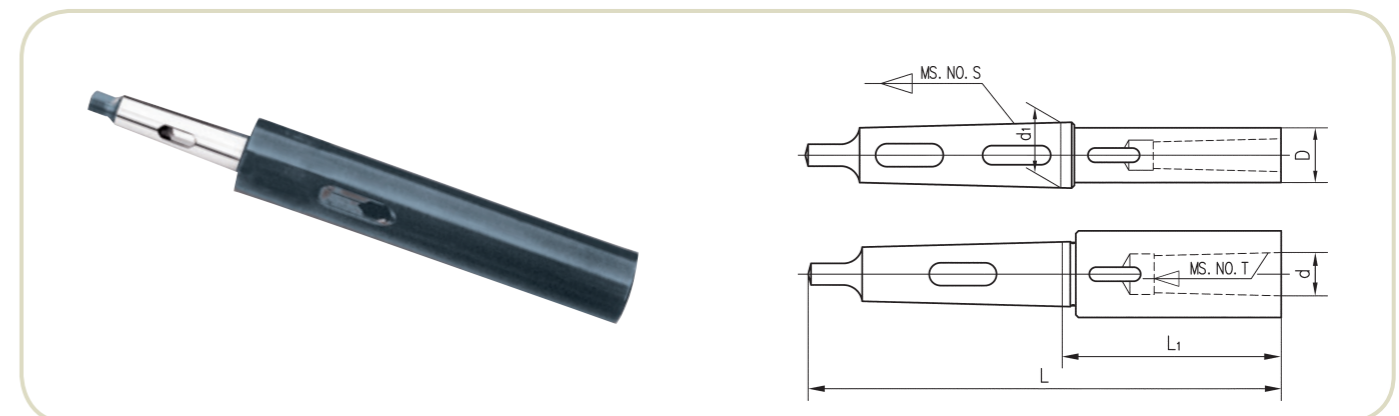
| Order No.   | MS.NO.S | MS.NO.T | L(mm) | L1(mm) | D(mm) | d(mm)  | D1(mm) |
|-------------|---------|---------|-------|--------|-------|--------|--------|
| BLA-3/3-250 | 3       | 3       | 250   | 156    | 32    | 23.825 | 23.825 |
| BLA-3/3-300 |         |         | 300   | 206    |       |        |        |
| BLA-3/3-350 |         |         | 350   | 256    |       |        |        |
| BLA-3/3-400 |         |         | 400   | 306    |       |        |        |
| BLA-3/3-450 |         |         | 450   | 356    |       |        |        |
| BLA-3/3-500 |         |         | 500   | 406    |       |        |        |
| BLA-3/3-600 |         |         | 600   | 506    |       |        |        |
| BLA-4/3-450 | 4       | 4       | 450   | 332.5  | 40    | 31.267 | 31.267 |
| BLA-4/4-300 |         |         | 300   | 182.5  |       |        |        |
| BLA-4/4-350 |         |         | 350   | 232.5  |       |        |        |
| BLA-4/4-400 |         |         | 400   | 282.5  |       |        |        |
| BLA-4/4-450 |         |         | 450   | 332.5  |       |        |        |
| BLA-4/4-500 |         |         | 500   | 382.5  |       |        |        |
| BLA-4/4-600 |         |         | 600   | 482.5  |       |        |        |
| BLA-4/4-800 | 800     | 682.5   |       |        |       |        |        |
| BLA-5/4-450 | 5       | 5       | 450   | 300.5  | 42    | 44.399 | 44.399 |
| BLA-5/5-500 |         |         | 500   | 350.5  | 63    |        |        |
| BLA-5/5-550 |         |         | 550   | 400.5  | 63    |        |        |
| BLA-5/5-600 |         |         | 600   | 450.5  | 56    |        |        |
| BLA-6/6-465 | 6       | 6       | 465   | 255    | 85    | 63.348 | 63.348 |
| BLA-6/6-500 |         |         | 500   | 290    |       |        |        |
| BLA-6/6-600 |         |         | 600   | 390    |       |        |        |

## RH-001732 EXTENSION SOCKET WITH MS.HOLE



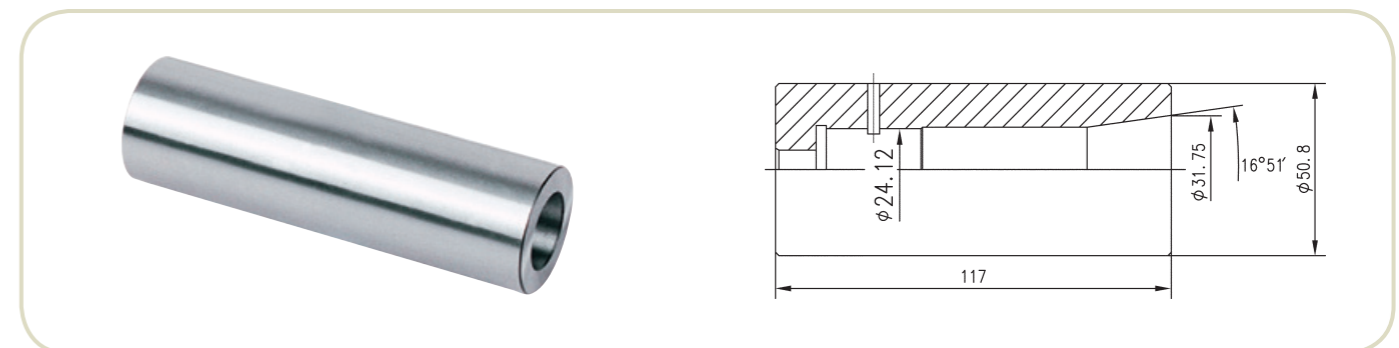
| Order No. | MS.NO.S | MS.NO.T | L(mm) | L1(mm) | D(mm) | d(mm)  | d1(mm) | L2(mm) | L3(mm) |
|-----------|---------|---------|-------|--------|-------|--------|--------|--------|--------|
| BLB-3/2   | 3       | 2       | 500   | 94     | 30    | 17.780 | 23.825 | 30     | 26     |
| BLB-3/3   | 3       | 3       | 300   | 94     | 36    | 23.825 | 23.825 | 34     | 31     |
| BLB-5/6   | 5       | 6       | 396   | 149.5  | 85    | 63.348 | 44.399 | 30     | 46     |
| BLB-6/6   | 6       | 6       | 460   | 210    | 85    | 63.348 | 63.348 |        |        |

## RH-001734 DIN1806 MORSE TAPER SLEEVES



| Order No.     | MS.NO.S | MS.NO.T | L(mm) | L1(mm) | D(mm) | d(mm)  | d1     | (mm) Accuracy |        |
|---------------|---------|---------|-------|--------|-------|--------|--------|---------------|--------|
| BLC-3x1-81    | 3       | 1       | 175   | 81     | 20    | 12.065 | 23.825 | 0.03          |        |
| BLC-3x2-100   |         | 2       | 194   | 100    | 30    | 17.780 |        | 0.04          |        |
| BLC-3x2-406   |         | 2       | 500   | 406    | 30    | 17.780 |        | 0.03          |        |
| BLC-3x3-121   |         | 3       | 215   | 121    | 36    | 23.825 |        | 0.04          |        |
| BLC-3x3-206   |         | 3       | 300   | 206    | 36    | 23.825 |        |               |        |
| BLC-4x2-97.5  |         | 4       | 2     | 215    | 97.5  | 30     |        | 17.780        | 31.267 |
| BLC-4x3-122.5 | 3       |         | 240   | 122.5  | 36    | 23.825 |        |               |        |
| BLC-4x4-147.5 | 4       |         | 265   | 147.5  | 48    | 31.267 |        |               |        |
| BLC-5x2-97.5  | 5       | 2       | 247   | 97.5   | 30    | 17.780 | 44.399 | 0.04          |        |
| BLC-5x3-118.5 |         | 3       | 268   | 118.5  | 36    | 23.825 |        |               |        |
| BLC-5x4-150.5 |         | 4       | 300   | 150.5  | 48    | 31.267 |        |               |        |
| BLC-5x5-185.5 |         | 5       | 335   | 185.5  | 63    | 44.399 |        |               |        |
| BLC-5x6-246.5 |         | 6       | 396   | 246.5  | 85    | 63.348 |        |               | 0.05   |
| BLC-6x4-145   |         | 6       | 4     | 355    | 145   | 48     |        |               | 31.267 |
| BLC-6x5-180   | 5       |         | 390   | 180    | 63    | 44.399 |        |               |        |
| BLC-6x6-250   | 6       |         | 460   | 250    | 85    | 63.348 | 0.05   |               |        |

## RH-00174 SOLID SOCKET WITH R8

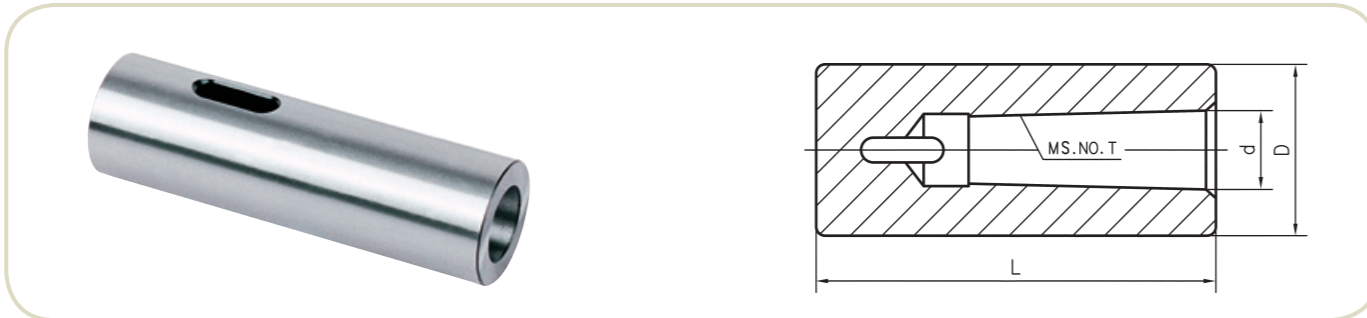




# SLEEVE SERIES

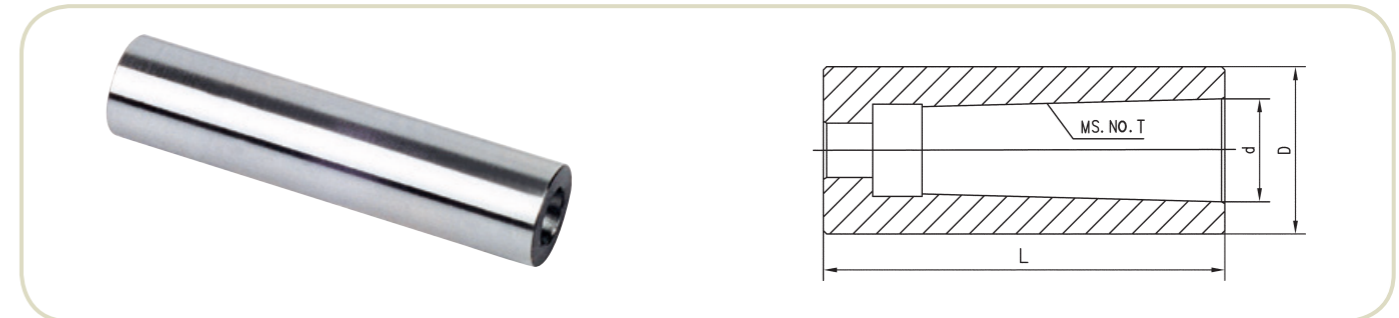
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## RH-00176 SOLID SOCKET WITH MS HOLE(WITH TANG)



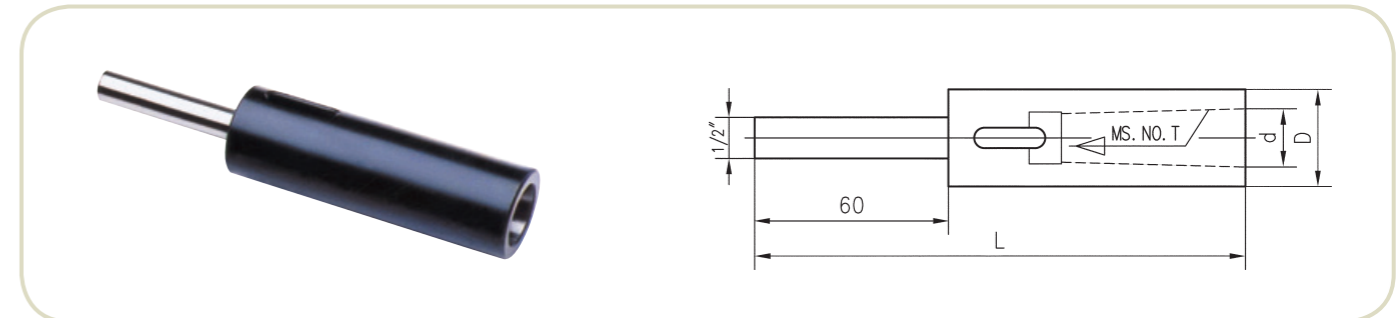
| Order No.      | D(in) | MS.NO.T     | d(mm)  | L(in)       | 订单号 Order No. | D(mm) | MS.NO.T | d(mm)  | L(mm)  |        |       |
|----------------|-------|-------------|--------|-------------|---------------|-------|---------|--------|--------|--------|-------|
| BSS-3/4XMS1    | 3/4   | MS1         | 12.065 | 3-1/4       | BSS-16XMS1    | 16    | MS1     | 12.065 | 90     |        |       |
| BSS-1XMS1      | 1     |             |        |             | BSS-20XMS1    | 20    |         |        | 95     |        |       |
| BSS-1-1/4XMS1  | 1-1/4 |             |        | BSS-25XMS1  | 25            | 115   |         |        |        |        |       |
| BSS-1-1/2XMS1  | 1-1/2 |             |        | BSS-30XMS1  | 30            | 88.9  |         |        |        |        |       |
| BSS-1XMS2      | 1     | MS2         | 17.780 | 4           | BSS-32XMS1    | 32    |         |        | 90     |        |       |
| BSS-1-1/4XMS2  | 1-1/4 |             |        |             | BSS-35XMS1    | 35    |         |        | 88.9   |        |       |
| BSS-1-1/2XMS2  | 1-1/2 |             |        |             | BSS-40XMS1    | 40    |         |        | 95     |        |       |
| BSS-1-3/4XMS2  | 1-3/4 |             |        |             | BSS-50XMS1    | 50    |         |        | 115    |        |       |
| BSS-2XMS2      | 2     |             |        |             | BSS-25XMS2    | 25    |         |        | 101.6  |        |       |
| BSS-2-1/8XMS2  | 2-1/8 |             |        |             | BSS-30XMS2    | 30    |         |        | 102    |        |       |
| BSS-1-1/4XMS3  | 1-1/4 | MS3         | 23.825 | 4-3/4       | BSS-32XMS2    | 32    |         |        | MS2    | 17.780 | 101.6 |
| BSS-1-1/2XMS3  | 1-1/2 |             |        |             | BSS-35XMS2    | 35    |         |        |        |        | 102   |
| BSS-1-3/4XMS3  | 1-3/4 |             |        |             | BSS-40XMS2    | 40    | 101.6   |        |        |        |       |
| BSS-2 XMS3     | 2     |             |        |             | BSS-40XMS2A   | 40    | 125     |        |        |        |       |
| BSS-2-1/8 XMS3 | 2-1/8 |             |        |             | BSS-50XMS2    | 50    | 101.6   |        |        |        |       |
| BSS-2-1/4 XMS3 | 2-1/4 |             |        |             | BSS-50XMS2A   | 50    | 135     |        |        |        |       |
| BSS-2-1/2 XMS3 | 2-1/2 | BSS-30XMS3  | 30     | MS3         | 23.825        | MS3   | 23.825  | 115    |        |        |       |
| BSS-1-1/2XMS4  | 1-1/2 | BSS-30XMS3A | 30     |             |               |       |         | 120.65 |        |        |       |
| BSS-1-3/4XMS4  | 1-3/4 | BSS-32XMS3  | 32     |             |               |       |         | 120    |        |        |       |
| BSS-2XMS4      | 2     | BSS-35XMS3  | 35     |             |               |       |         | 120.65 |        |        |       |
| BSS-2-1/8XMS4  | 2-1/8 | BSS-36XMS3  | 36     |             |               |       |         | 135    |        |        |       |
| BSS-2-1/4XMS4  | 2-1/4 | BSS-40XMS3  | 40     |             |               |       |         | 120.65 |        |        |       |
| BSS-2-1/2XMS4  | 2-1/2 | BSS-40XMS3A | 40     | MS4         | 31.267        |       |         | MS4    | 31.267 | 152.4  |       |
| BSS-2-1/4XMS5  | 2-1/4 | BSS-50XMS3  | 50     |             |               |       |         |        |        | 175    |       |
| BSS-2-1/4XMS5A | 2-1/4 | BSS-50XMS3A | 50     |             |               |       |         |        |        | 185    |       |
| BSS-2-1/2XMS5  | 2-1/2 | BSS-60XMS3  | 60     |             |               |       |         |        |        | 152.4  |       |
| BSS-2-1/2XMS5A | 2-1/2 | BSS-40XMS4  | 40     |             |               |       |         |        |        | 155    |       |
| BSS-3-1/2XMS6  | 3-1/2 | BSS-40XMS4A | 40     |             |               |       |         |        |        | 152.4  |       |
|                |       |             |        | BSS-50XMS4  | 50            | 175   |         |        |        |        |       |
|                |       |             |        | BSS-50XMS4A | 50            | 185   |         |        |        |        |       |
|                |       |             |        | BSS-60XMS4  | 60            | 175   |         |        |        |        |       |
|                |       |             |        | BSS-50XMS5  | 50            | 187.3 |         |        |        |        |       |
|                |       |             |        | BSS-60XMS5  | 60            |       |         |        |        |        |       |

## RH-00178 SOLID SOCKET WITH MS HOLE(WITH DRAW BAR)



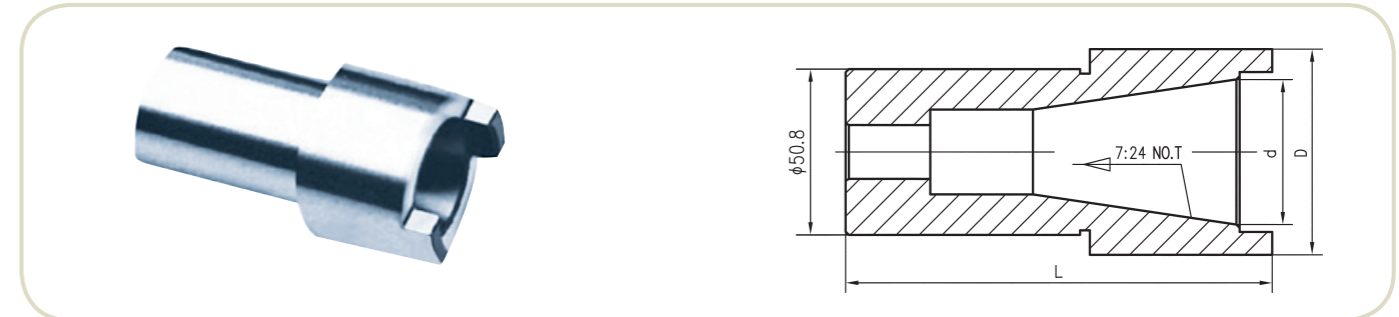
| Order No.     | MS.NO.T | d(mm)  | D(in) | L(mm) | Wt(kg) |
|---------------|---------|--------|-------|-------|--------|
| BSS-1-3/4XMW3 | MS3     | 23.825 | 1-3/4 | 100   | 1.0    |
| BSS-2XMW3     | MS3     | 23.825 | 2     | 100   | 1.3    |
| BSS-2XMW4     | MS4     | 31.267 | 2     | 125   | 1.6    |

## RH-00180 SOLID SOCKET WITH MS HOLE



| Order No.   | MS.NO.T | D(mm) | d (mm) | L (mm) | Wt(kg) |
|-------------|---------|-------|--------|--------|--------|
| BSS-20XMS1L | MS1     | 20    | 12.065 | 139    | 0.21   |
| BSS-30XMS2L | MS2     | 30    | 17.780 | 152    | 0.54   |
| BSS-36XMS3L | MS3     | 36    | 23.825 | 173    | 0.83   |

## RH-00182 STRAIGHT TO 7:24 SLEEVES



| Order No.   | 7:24 NO.T | D(mm) | d(mm) | L(mm) |
|-------------|-----------|-------|-------|-------|
| BSS-50.8X30 | 30        | 50.8  | 31.75 | 100   |
| BSS-63X40   | 40        | 63    | 44.45 | 131   |



# DRILL CHUCK ARBORS

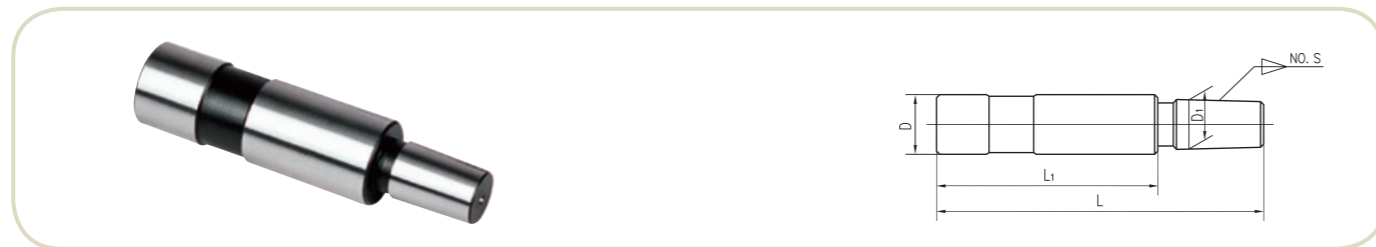
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## RH-00184 R8 DRILL CHUCK ARBORS



| Order No.<br>R8-NO.S | D(mm)  | L(mm) | Wt(kg) | Order No.<br>R8-NO.S | D(mm)  | L(mm) | Wt(kg) |
|----------------------|--------|-------|--------|----------------------|--------|-------|--------|
| R8-J0                | 6.350  | 117   | 0.393  | R8-J5                | 35.890 | 154   | 0.742  |
| R8-J1                | 9.754  | 122   | 0.409  | R8-B6                | 6.350  | 118.5 | 0.250  |
| R8-J2S               | 13.940 | 125   | 0.400  | R8-B10               | 10.094 | 124   | 0.386  |
| R8-J2                | 14.199 | 128   | 0.414  | R8-B12               | 12.065 | 128   | 0.408  |
| R8-J33               | 15.850 | 132   | 0.418  | R8-B16               | 15.733 | 135   | 0.440  |
| R8-J6                | 17.170 | 132   | 0.426  | R8-B18               | 17.780 | 143   | 0.454  |
| R8-J3                | 20.599 | 137   | 0.465  | R8-B22               | 21.793 | 152   | 0.514  |
| R8-J4                | 28.550 | 148   | 0.600  | R8-B24               | 23.825 | 162   | 0.567  |

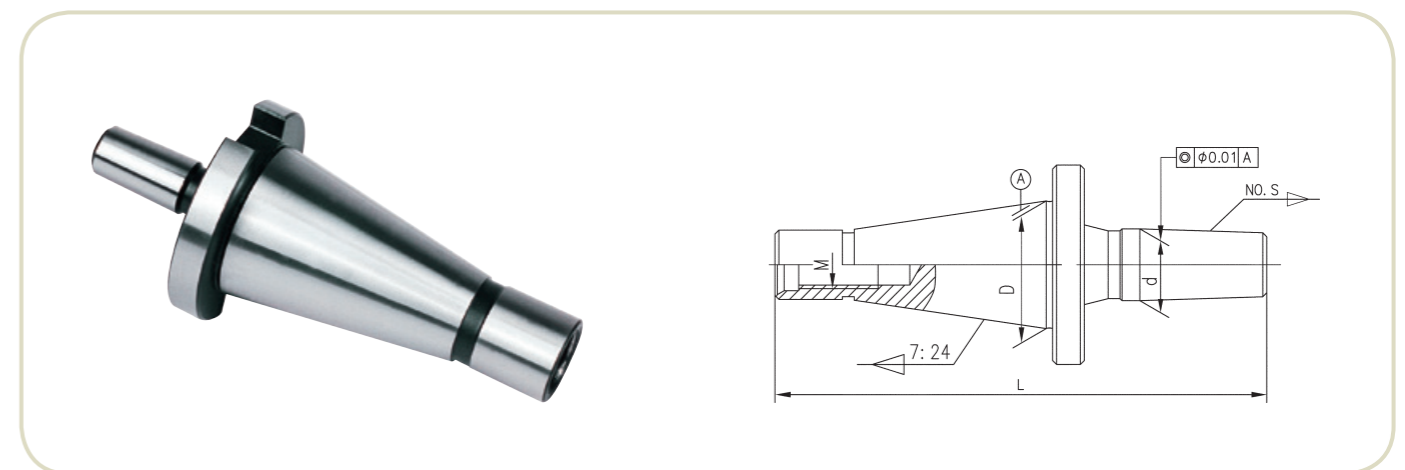
## RH-00186 STRAIGHT SHANK DRILL CHUCK ARBORS



| Order No. | D      |    | NO.S | D1 (mm) |
|-----------|--------|----|------|---------|
|           | in     | mm |      |         |
| D-J0      |        | 6  | J0   | 6.350   |
| D-J1      |        | 8  | J1   | 9.754   |
| D-J2      |        | 10 | J2   | 14.199  |
| D-J3      | 3/8"   | 12 | J3   | 20.599  |
| D-J4      | 1/2"   | 13 | J4   | 28.550  |
| D-J5      | 5/8"   | 14 | J5   | 35.890  |
| D-J6      | 7/8"   | 16 | J6   | 17.170  |
| D-J33     | 3/4"   | 20 | J33  | 15.850  |
| D-B6      | 1"     | 25 | B6   | 6.350   |
| D-B10     | 1-1/4" | 26 | B10  | 10.094  |
| D-B12     | 1-1/2" | 32 | B12  | 12.065  |
| D-B16     | 1-3/4" | 35 | B16  | 15.733  |
| D-B18     |        | 36 | B18  | 17.780  |
| D-B22     |        | 40 | B22  | 21.793  |
| D-B24     |        | 50 | B24  | 23.825  |

If specially order, please note:DXL XNO.S-L

## RH-00188 7:24 DRILL CHUCK ARBORS



| Order No.<br>7:24-NO.S | D mm   | d mm   | L mm  | Wt(kg)    | Order No.<br>7:24-NO.S | D mm   | d mm   | L mm  | Wt(kg) |
|------------------------|--------|--------|-------|-----------|------------------------|--------|--------|-------|--------|
| ISO30-J0               | 31.75  | 6.350  | 99    | 0.313     | ISO50-J6               | 69.85  | 17.170 | 184   | 2.739  |
| ISO30-J1               |        | 9.754  | 106   | 0.326     | ISO50-J3               |        | 20.599 | 191   | 2.777  |
| ISO30-J2S              |        | 13.940 | 109   | 0.341     | ISO50-J4               |        | 28.550 | 202   | 2.953  |
| ISO30-J2               |        | 14.199 | 113   | 0.349     | ISO50-J5               |        | 35.890 | 208   | 3.178  |
| ISO30-J33              |        | 15.850 | 122   | 0.377     | ISO30-B10              | 31.75  | 10.094 | 104   | 0.325  |
| ISO30-J6               |        | 17.170 | 122   | 0.388     | ISO30-B12              |        | 12.065 | 108   | 0.330  |
| ISO30-J3               |        | 20.599 | 123   | 0.426     | ISO30-B16              |        | 15.733 | 116   | 0.372  |
| ISO30-J4               |        | 28.550 | 136   | 0.602     | ISO30-B18              |        | 17.780 | 124   | 0.393  |
| ISO30-J5               |        | 35.890 | 145   | 0.827     | ISO30-B22              |        | 21.793 | 133   | 0.460  |
| ISO40-J0               |        | 6.350  | 126   | 0.789     | ISO30-B24              |        | 23.825 | 143   | 0.518  |
| ISO40-J1               | 9.754  | 133    | 0.797 | ISO40-B10 | 44.45                  |        | 10.094 | 132   | 0.801  |
| ISO40-J2S              | 13.940 | 136    | 0.817 | ISO40-B12 |                        |        | 12.065 | 136   | 0.809  |
| ISO40-J2               | 14.199 | 141    | 0.829 | ISO40-B16 |                        | 15.733 | 143    | 0.848 |        |
| ISO40-J33              | 15.850 | 145    | 0.853 | ISO40-B18 |                        | 17.780 | 151    | 0.869 |        |
| ISO40-J6               | 17.170 | 145    | 0.864 | ISO40-B22 |                        | 21.793 | 160    | 0.936 |        |
| ISO40-J3               | 20.599 | 150    | 0.902 | ISO40-B24 |                        | 23.825 | 169    | 0.994 |        |
| ISO40-J4               | 28.550 | 165    | 1.028 | ISO50-B10 |                        | 69.85  | 10.094 | 170   | 2.684  |
| ISO40-J5               | 35.890 | 170    | 1.303 | ISO50-B12 |                        |        | 12.065 | 174   | 2.676  |
| ISO50-J1               | 9.754  | 175    | 2.672 | ISO50-B16 | 15.733                 |        | 182    | 2.723 |        |
| ISO50-J2S              | 13.940 | 177    | 2.692 | ISO50-B18 | 17.780                 |        | 195    | 2.744 |        |
| ISO50-J2               | 14.199 | 180    | 2.704 | ISO50-B22 | 21.793                 |        | 200    | 2.811 |        |
| ISO50-J33              | 15.850 | 184    | 2.728 | ISO50-B24 | 23.825                 |        | 215    | 2.869 |        |

Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.

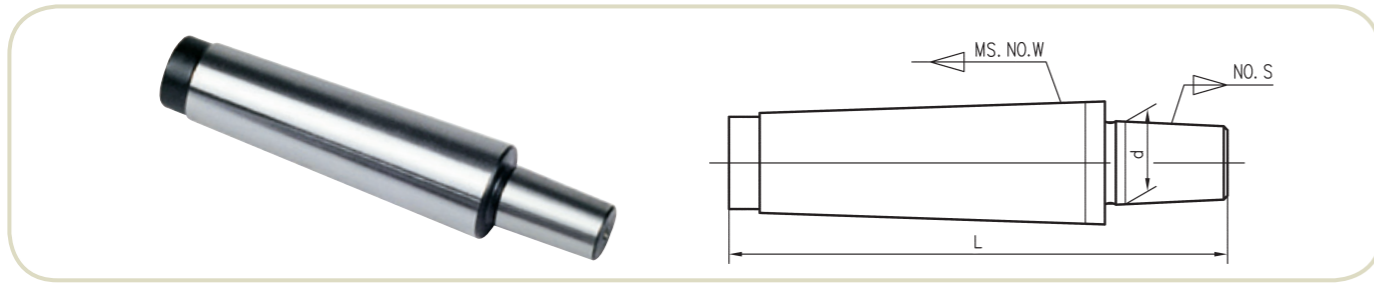




# DRILL CHUCK ARBORS

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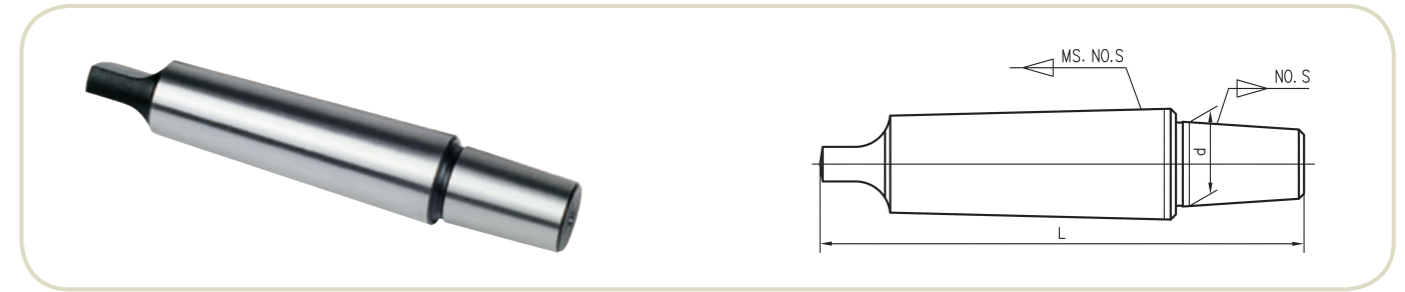
## RH-00190 MORSE TAPER DRILL CHUCK ARBORS WITH DRAW BAR



| Order No.<br>MS.NO.W-NO.S | d<br>mm | L<br>mm | Order No.<br>MS.NO.W-NO.S | d<br>mm | L<br>mm | Order No.<br>MS.NO.W-NO.S | d<br>mm | L<br>mm |
|---------------------------|---------|---------|---------------------------|---------|---------|---------------------------|---------|---------|
| MS0W-J0                   | 6.350   | 67      | MS2W-J6                   | 17.170  | 97      | MS4W-J33                  | 15.850  | 137     |
| MS0W-J1                   | 9.754   | 72      | MS2W-J33                  | 15.850  | 97      | MS4W-B10                  | 10.094  | 130     |
| MS0W-J2                   | 14.199  | 78      | MS2W-B10                  | 10.094  | 90      | MS4W-B12                  | 12.065  | 134     |
| MS0W-J3                   | 20.599  | 87      | MS2W-B12                  | 12.065  | 94      | MS4W-B16                  | 15.733  | 141     |
| MS0W-J6                   | 17.170  | 81      | MS2W-B16                  | 15.733  | 101     | MS4W-B18                  | 17.780  | 149     |
| MS0W-J33                  | 15.850  | 81      | MS2W-B18                  | 17.780  | 109     | MS4W-B22                  | 21.793  | 158     |
| MS0W-B10                  | 10.094  | 74      | MS2W-B22                  | 21.793  | 117     | MS4W-B24                  | 23.825  | 168     |
| MS0W-B12                  | 12.065  | 78      | MS2W-B24                  | 23.825  | 127     | MS5W-J2                   | 14.199  | 161     |
| MS0W-B16                  | 15.733  | 85      | MS3W-J1                   | 9.754   | 105     | MS5W-J3                   | 20.599  | 170     |
| MS0W-B18                  | 17.780  | 93      | MS3W-J2                   | 14.199  | 111     | MS5W-J4                   | 28.550  | 181     |
| MS1W-J0                   | 6.350   | 71      | MS3W-J3                   | 20.599  | 120     | MS5W-J5                   | 35.890  | 186     |
| MS1W-J1                   | 9.754   | 76      | MS3W-J4                   | 28.550  | 131     | MS5W-J6                   | 17.170  | 164     |
| MS1W-J2                   | 14.199  | 82      | MS3W-J5                   | 35.890  | 136     | MS5W-J33                  | 15.850  | 164     |
| MS1W-J3                   | 20.599  | 91      | MS3W-J6                   | 17.170  | 114     | MS5W-B16                  | 15.733  | 168     |
| MS1W-J6                   | 17.170  | 85      | MS3W-J33                  | 15.850  | 114     | MS5W-B18                  | 17.780  | 176     |
| MS1W-J33                  | 15.850  | 85      | MS3W-B10                  | 10.094  | 107     | MS5W-B22                  | 21.793  | 185     |
| MS1W-B10                  | 10.094  | 78      | MS3W-B12                  | 12.065  | 111     | MS5W-B24                  | 23.825  | 195     |
| MS1W-B12                  | 12.065  | 82      | MS3W-B16                  | 15.733  | 118     | MS6W-J3                   | 20.599  | 224     |
| MS1W-B16                  | 15.733  | 89      | MS3W-B18                  | 17.780  | 126     | MS6W-J4                   | 28.550  | 235     |
| MS1W-B18                  | 17.780  | 97      | MS3W-B22                  | 21.793  | 135     | MS6W-J5                   | 35.890  | 240     |
| MS2W-J0                   | 6.350   | 83      | MS3W-B24                  | 23.825  | 145     | MS6W-J6                   | 17.170  | 218     |
| MS2W-J1                   | 9.754   | 88      | MS4W-J2                   | 14.199  | 134     | MS6W-J33                  | 15.850  | 218     |
| MS2W-J2                   | 14.199  | 94      | MS4W-J3                   | 20.599  | 143     | MS6W-B16                  | 15.733  | 222     |
| MS2W-J3                   | 20.599  | 103     | MS4W-J4                   | 28.550  | 154     | MS6W-B18                  | 17.780  | 230     |
| MS2W-J4                   | 28.550  | 114     | MS4W-J5                   | 35.890  | 159     | MS6W-B22                  | 21.793  | 238     |
| MS2W-J5                   | 35.890  | 119     | MS4W-J6                   | 17.170  | 137     | MS6W-B24                  | 23.825  | 248     |

Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.

## RH-00192 MORSE TAPER DRILL CHUCK ARBORS WITH TANG



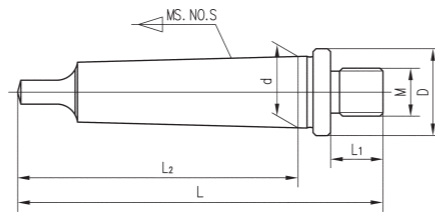
| Order No.<br>MS.NO.W-NO.S | d<br>mm | L<br>mm | Order No.<br>MS.NO.W-NO.S | d<br>mm | L<br>mm | Order No.<br>MS.NO.W-NO.S | d<br>mm | L<br>mm |
|---------------------------|---------|---------|---------------------------|---------|---------|---------------------------|---------|---------|
| MS0-B6                    | 6.350   | 75      | MS2-B22                   | 21.793  | 128     | MS4-B18                   | 17.780  | 164     |
| MS0-B10                   | 10.094  | 80      | MS2-B24                   | 23.825  | 138     | MS4-B22                   | 21.793  | 172     |
| MS0-B12                   | 12.065  | 84      | MS2-B18S                  | 17.431  | 113     | MS4-B24                   | 23.825  | 182     |
| MS0-B16                   | 15.733  | 91      | MS2-J0                    | 6.350   | 94      | MS4-J0                    | 6.350   | 138     |
| MS0-B18                   | 17.780  | 99      | MS2-J1                    | 9.754   | 100     | MS4-J1                    | 9.754   | 143     |
| MS0-B22                   | 21.793  | 108     | MS2-J2                    | 14.199  | 105     | MS4-J2                    | 14.199  | 149     |
| MS0-B24                   | 23.825  | 118     | MS2-J3                    | 20.599  | 114     | MS4-J3                    | 20.599  | 158     |
| MS0-J0                    | 6.350   | 73      | MS2-J4                    | 28.550  | 125     | MS4-J4                    | 28.550  | 169     |
| MS0-J3                    | 20.599  | 93      | MS2-J5                    | 35.890  | 130     | MS4-J5                    | 35.890  | 174     |
| MS0-J33                   | 15.850  | 88      | MS2-J6                    | 17.170  | 108     | MS4-J6                    | 17.170  | 152     |
| MS1-B10                   | 10.094  | 86      | MS2-J33                   | 15.850  | 108     | MS4-J33                   | 15.850  | 152     |
| MS1-B12                   | 12.065  | 90      | MS3-B10                   | 10.094  | 120     | MS5-B10                   | 10.094  | 177     |
| MS1-B16                   | 15.733  | 97      | MS3-B12                   | 12.065  | 124     | MS5-B12                   | 12.065  | 181     |
| MS1-B18                   | 17.780  | 105     | MS3-B16                   | 15.733  | 131     | MS5-B16                   | 15.733  | 188     |
| MS1-B22                   | 21.793  | 114     | MS3-B18                   | 17.780  | 139     | MS5-B18                   | 17.780  | 196     |
| MS1-B24                   | 23.825  | 124     | MS3-B22                   | 21.793  | 147     | MS5-B22                   | 21.793  | 204     |
| MS1-J0                    | 6.350   | 79      | MS3-B24                   | 23.825  | 157     | MS5-B24                   | 23.825  | 214     |
| MS1-J1                    | 9.754   | 85      | MS3-J0                    | 6.350   | 113     | MS5-J0                    | 6.350   | 170     |
| MS1-J2                    | 14.199  | 90      | MS3-J1                    | 9.754   | 118     | MS5-J1                    | 9.754   | 175     |
| MS1-J3                    | 20.599  | 99      | MS3-J2                    | 14.199  | 124     | MS5-J2                    | 14.199  | 181     |
| MS1-J4                    | 28.550  | 110     | MS3-J3                    | 20.599  | 133     | MS5-J3                    | 20.599  | 190     |
| MS1-J5                    | 35.890  | 116     | MS3-J4                    | 28.550  | 144     | MS5-J4                    | 28.550  | 201     |
| MS1-J6                    | 17.170  | 94      | MS3-J5                    | 35.890  | 149     | MS5-J5                    | 35.890  | 206     |
| MS1-J33                   | 15.850  | 94      | MS3-J6                    | 17.170  | 127     | MS5-J6                    | 17.170  | 184     |
| MS2-B10                   | 10.094  | 101     | MS3-J33                   | 15.850  | 127     | MS5-J33                   | 15.850  | 184     |
| MS2-B12                   | 12.065  | 105     | MS4-B10                   | 10.094  | 145     | MS6-B16                   | 15.733  | 250     |
| MS2-B16                   | 15.733  | 112     | MS4-B12                   | 12.065  | 149     | MS6-J3                    | 20.599  | 252     |
| MS2-B18                   | 17.780  | 120     | MS4-B16                   | 15.733  | 156     | MS6-J6                    | 17.170  | 246     |



# DRILL CHUCK ARBORS

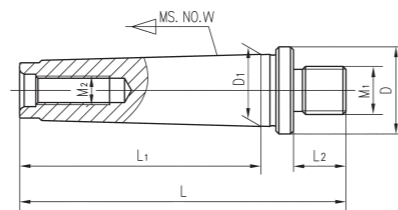
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## RH-001930 MORSE DRILL CHUCK ARBORS



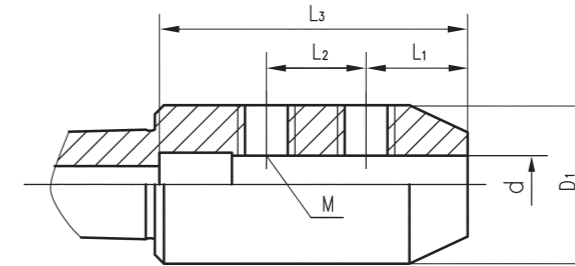
| Order No.      | MS.NO.S | L(mm) | L1(mm) | L2(mm)     | D(mm) | d(mm)  | M          |
|----------------|---------|-------|--------|------------|-------|--------|------------|
| MS1-3/8"-24UNF | MS1     | 83    | 13.5   | 62         | 24    | 12.065 | 3/8"-24UNF |
| MS1-1/2"-20UNF |         | 85    | 15.5   |            | 27    |        | 1/2"-20UNF |
| MS1-M12x1.25   |         | 88    | 17.5   |            | 29    |        | M12x1.25   |
| MS1-5/8"-16UNF |         |       |        |            |       |        | 5/8"-16UNF |
| MS2-M10x1      | MS2     | 97    | 13.5   | 75         | 24    | 17.780 | M10x1      |
| MS2-3/8"-24UNF |         |       |        |            |       |        | 3/8"-24UNF |
| MS2-M12x1.25   |         | 100   | 15.5   |            | 27    |        | M12x1.25   |
| MS2-1/2"-20UNF |         |       |        |            |       |        | 1/2"-20UNF |
| MS2-M16x1.5    |         | 103   | 17.5   |            | 29    |        | M16x1.5    |
| MS2-5/8"-16UNF |         |       |        |            |       |        | 5/8"-16UNF |
| MS2-5/8"-20UNF |         |       |        | 5/8"-20UNF |       |        |            |
| MS3-M10x1      | MS3     | 116   | 13.5   | 94         | 24    | 23.825 | M10x1      |
| MS3-3/8"-24    |         |       |        |            |       |        | 3/8"-24UNF |
| MS3-M12x1.25   |         | 119   | 15.5   |            | 27    |        | M12x1.25   |
| MS3-1/2"-20UNF |         |       |        |            |       |        | 1/2"-20UNF |
| MS3-M16x1.5    |         | 122   | 17.5   |            | 29    |        | M16x1.5    |
| MS3-5/8"-16UNF |         |       |        |            |       |        | 5/8"-16UNF |
| MS4-M12x1.25   | MS4     | 145   | 15.5   | 117.5      | 31.6  | 31.267 | M12x1.25   |

## RH-001932 MORSE DRILL CHUCK ARBORS



| Order No.       | D mm | MS.NO.W | L mm | L1 mm | L2 mm      | D1 mm  | M1         | M2       |
|-----------------|------|---------|------|-------|------------|--------|------------|----------|
| MS2W-3/8"-24UNF | 24   | MS2W    | 88   | 64    | 13.5       | 17.780 | 3/8"-24UNF | M10x1.5  |
| MS2W-1/2"-20UNF | 27   |         | 15.5 |       | 1/2"-20UNF |        |            |          |
| MS3W-3/8"-24UNF | 24   | MS3W    | 105  | 81    | 13.5       | 23.825 | 3/8"-24UNF | M12x1.75 |
| MS3W-1/2"-20UNF | 27   |         | 15.5 |       | 1/2"-20UNF |        |            |          |

## DIMENSIONS OF END MILL ADAPTERS



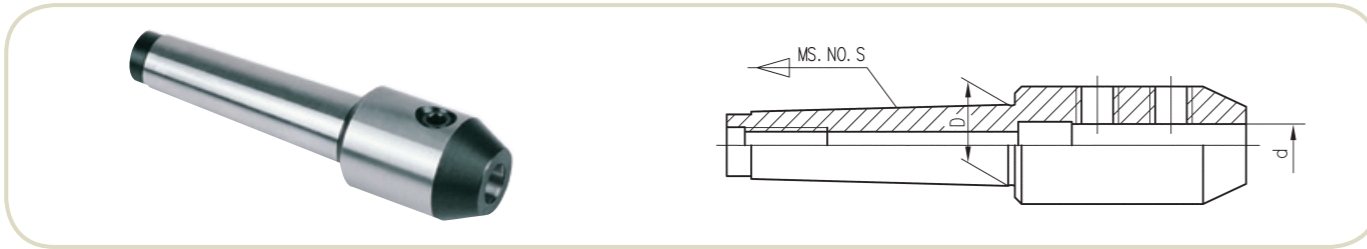
| MM     |         |         |         |         |     | INCH   |         |         |         |         |          | 备注            |         |               |
|--------|---------|---------|---------|---------|-----|--------|---------|---------|---------|---------|----------|---------------|---------|---------------|
| d (mm) | D1 (mm) | L1 (mm) | L2 (mm) | L3 (mm) | M   | d (in) | D1 (mm) | L1 (mm) | L2 (mm) | L3 (mm) | M        |               |         |               |
| 4      | 20      | 16      | 22.2    |         | M4  | 3/16   | 24      | 12      |         | 30      | 1/4"-28  | 夹单头<br>Single |         |               |
| 6      | 25      | 18      |         | 46      | M6  | 1/4    | 27      | 12      |         | 40      | 1/4"-28  |               |         |               |
| 8      | 28      | 18      |         | 46      | M8  | 5/16   | 30      | 16      |         | 40      | 3/8"-24  |               |         |               |
| 9      | 35      | 20      |         | 46      | M8  | 3/8    | 32      | 19      |         | 48      | 3/8"-24  |               |         |               |
| 10     | 35      | 20      |         | 50      | M10 | 1/2    | 35      | 22      |         | 54      | 7/16"-20 |               |         |               |
| 11     | 42      | 22.5    |         | 50      | M10 | 5/8    | 41      | 23      |         | 56      | 1/2"-20  |               |         |               |
| 12     | 42      | 22.5    |         | 55      | M10 | 11/16  | 43      | 24      |         | 58      | 5/8"-18  |               |         |               |
| 13     | 44      | 22.5    |         | 55      | M12 | 3/4    | 44.5    | 25      |         | 60      | 5/8"-18  |               |         |               |
| 14     | 44      | 22.5    |         | 56      | M12 | 7/8    | 49      | 26      | 22.2    | 70      | 5/8"-18  |               |         |               |
| 15     | 48      | 24      |         | 56      | M12 | 1      | 55      | 28      | 25.4    | 70      | 3/4"-16  |               |         |               |
| 16     | 48      | 24      |         | 58      | M14 | 1-1/4  | 62      | 28      | 25.4    | 70      | 3/4"-16  |               |         |               |
| 18     | 50      | 24      |         | 60      | M14 | 1-1/2  | 68      | 28      | 25.4    | 70      | 3/4"-16  |               |         |               |
| 19     | 52      | 24      |         | 60      | M14 | 2      | 97      | 30      | 36.5    | 90      | 7/8"-14  |               |         |               |
| 20     | 52      | 25      |         | 60      | M16 | 2-1/2  | 125     | 30      | 36.5    | 95      | 1"-12    |               |         |               |
| 22     | 56      | 24      |         | 25      | 66  | M16    | 3/16    | 24      | 12      |         | 42       |               | 1/4"-28 | 夹双头<br>Double |
| 24     | 65      | 24      |         | 25      | 66  | M18    | 3/8     | 32      | 19      |         | 65       |               | 3/8"-24 |               |
| 25     | 65      | 24      | 25      | 66      | M18 | 1/2    | 35      | 22      |         | 76      | 7/16"-20 |               |         |               |
| 32     | 72      | 24      | 28      | 70      | M20 | 5/8    | 41      | 23      |         | 90      | 1/2"-20  |               |         |               |
| 40     | 90      | 30      | 32      | 80      | M20 | 3/4    | 44.5    | 25      |         | 100     | 5/8"-18  |               |         |               |
| 50     | 100     | 35      | 35      | 90      | M24 | 7/8    | 49      | 26      | 22.2    | 117     | 5/8"-18  |               |         |               |
| 63     | 125     | 40      | 40      | 100     | M24 | 1      | 55      | 28      | 25.4    | 124     | 3/4"-16  |               |         |               |



# ADAPTER SERIES

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## RH-00194 MORSE TAPER END MILL ADAPTERS WITH DRAWBAR

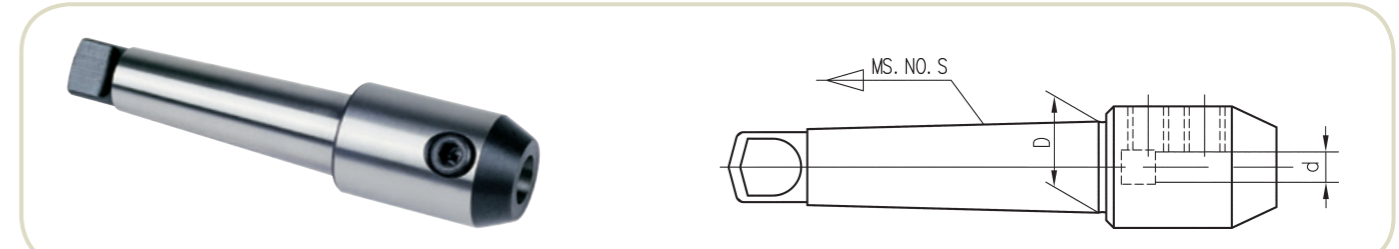


| d<br>mm | Order No. |           |           |           |           |           |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|
|         | MS1       | MS2       | MS3       | MS4       | MS5       | MS6       |
| 4       | FDMW1040M | FDMW2040M | FDMW3040M | FDMW4040M | FDMW5040M | FDMW6040M |
| 6       | FDMW1060M | FDMW2060M | FDMW3060M | FDMW4060M | FDMW5060M | FDMW6060M |
| 8       | FDMW1080M | FDMW2080M | FDMW3080M | FDMW4080M | FDMW5080M | FDMW6080M |
| 10      | FDMW1100M | FDMW2100M | FDMW3100M | FDMW4100M | FDMW5100M | FDMW6100M |
| 12      | FDMW1120M | FDMW2120M | FDMW3120M | FDMW4120M | FDMW5120M | FDMW6120M |
| 14      |           | FDMW2140M | FDMW3140M | FDMW4140M | FDMW5140M | FDMW6140M |
| 16      |           | FDMW2160M | FDMW3160M | FDMW4160M | FDMW5160M | FDMW6160M |
| 18      |           | FDMW2180M | FDMW3180M | FDMW4180M | FDMW5180M | FDMW6180M |
| 20      |           | FDMW2200M | FDMW3200M | FDMW4200M | FDMW5200M | FDMW6200M |
| 22      |           |           | FDMW3220M | FDMW4220M | FDMW5220M | FDMW6220M |
| 25      |           |           | FDMW3250M | FDMW4250M | FDMW5250M | FDMW6250M |
| 32      |           |           |           | FDMW4320M | FDMW5320M | FDMW6320M |
| 40      |           |           |           | FDMW4400M | FDMW5400M | FDMW6400M |
| 50      |           |           |           |           | FDMW5500M | FDMW6500M |
| 63      |           |           |           |           | FDMW5630M | FDMW6630M |

| d<br>in | Order No. |           |           |           |           |           |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|
|         | MS1       | MS2       | MS3       | MS4       | MS5       | MS6       |
| 3/16    | FDMW10188 | FDMW20188 | FDMW30188 | FDMW40188 | FDMW50188 |           |
| 1/4     | FDMW10250 | FDMW20250 | FDMW30250 | FDMW40250 | FDMW50250 |           |
| 5/16    | FDMW10312 | FDMW20312 | FDMW30312 | FDMW40312 | FDMW50312 |           |
| 3/8     | FDMW10375 | FDMW20375 | FDMW30375 | FDMW40375 | FDMW50375 |           |
| 1/2     | FDMW10500 | FDMW20500 | FDMW30500 | FDMW40500 | FDMW50500 |           |
| 5/8     | FDMW10625 | FDMW20625 | FDMW30625 | FDMW40625 | FDMW50625 |           |
| 3/4     | FDMW10750 | FDMW20750 | FDMW30750 | FDMW40750 | FDMW50750 |           |
| 7/8     |           |           | FDMW30875 | FDMW40875 | FDMW50875 | FDMW60875 |
| 1       |           |           | FDMW31000 | FDMW41000 | FDMW51000 | FDMW61000 |
| 1-1/4   |           |           |           | FDMW41250 | FDMW51250 | FDMW61250 |
| 1-1/2   |           |           |           | FDMW41500 | FDMW51500 | FDMW61500 |
| 2       |           |           |           |           | FDMW52000 | FDMW62000 |
| 2-1/2   |           |           |           |           | FDMW52500 | FDMW62500 |

1. Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread
2. If order double, MS2 d=1/2, Order No. is FDMW20500L

## RH-00194 MORSE TAPER END MILL ADAPTERS WITH TANG



| d<br>mm | Order No. |           |           |           |           |           |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|
|         | MS1       | MS2       | MS3       | MS4       | MS5       | MS6       |
| 4       | FDMS1040M | FDMS2040M | FDMS3040M | FDMS4040M | FDMS5040M | FDMS6040M |
| 6       | FDMS1060M | FDMS2060M | FDMS3060M | FDMS4060M | FDMS5060M | FDMS6060M |
| 8       | FDMS1080M | FDMS2080M | FDMS3080M | FDMS4080M | FDMS5080M | FDMS6080M |
| 10      | FDMS1100M | FDMS2100M | FDMS3100M | FDMS4100M | FDMS5100M | FDMS6100M |
| 12      | FDMS1120M | FDMS2120M | FDMS3120M | FDMS4120M | FDMS5120M | FDMS6120M |
| 14      |           | FDMS2140M | FDMS3140M | FDMS4140M | FDMS5140M | FDMS6140M |
| 16      |           | FDMS2160M | FDMS3160M | FDMS4160M | FDMS5160M | FDMS6160M |
| 18      |           | FDMS2180M | FDMS3180M | FDMS4180M | FDMS5180M | FDMS6180M |
| 20      |           | FDMS2200M | FDMS3200M | FDMS4200M | FDMS5200M | FDMS6200M |
| 22      |           |           | FDMS3220M | FDMS4220M | FDMS5220M | FDMS6220M |
| 25      |           |           | FDMS3250M | FDMS4250M | FDMS5250M | FDMS6250M |
| 32      |           |           |           | FDMS4320M | FDMS5320M | FDMS6320M |
| 40      |           |           |           | FDMS4400M | FDMS5400M | FDMS6400M |
| 50      |           |           |           |           | FDMS5500M | FDMS6500M |
| 63      |           |           |           |           | FDMS5630M | FDMS6630M |

| d<br>in | Order No. |           |           |           |           |           |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|
|         | MS1       | MS2       | MS3       | MS4       | MS5       | MS6       |
| 3/16    | FDMS10188 | FDMS20188 | FDMS30188 | FDMS40188 | FDMS50188 |           |
| 1/4     | FDMS10250 | FDMS20250 | FDMS30250 | FDMS40250 | FDMS50250 |           |
| 5/16    | FDMS10312 | FDMS20312 | FDMS30312 | FDMS40312 | FDMS50312 |           |
| 3/8     | FDMS10375 | FDMS20375 | FDMS30375 | FDMS40375 | FDMS50375 |           |
| 1/2     | FDMS10500 | FDMS20500 | FDMS30500 | FDMS40500 | FDMS50500 |           |
| 5/8     |           | FDMS20625 | FDMS30625 | FDMS40625 | FDMS50625 |           |
| 3/4     |           | FDMS20750 | FDMS30750 | FDMS40750 | FDMS50750 |           |
| 7/8     |           |           | FDMS30875 | FDMS40875 | FDMS50875 | FDMS60875 |
| 1       |           |           | FDMS31000 | FDMS41000 | FDMS51000 | FDMS61000 |
| 1-1/4   |           |           |           | FDMS41250 | FDMS51250 | FDMS61250 |
| 1-1/2   |           |           |           | FDMS41500 | FDMS51500 | FDMS61500 |
| 2       |           |           |           |           | FDMS52000 | FDMS62000 |
| 2-1/2   |           |           |           |           | FDMS52500 | FDMS62500 |

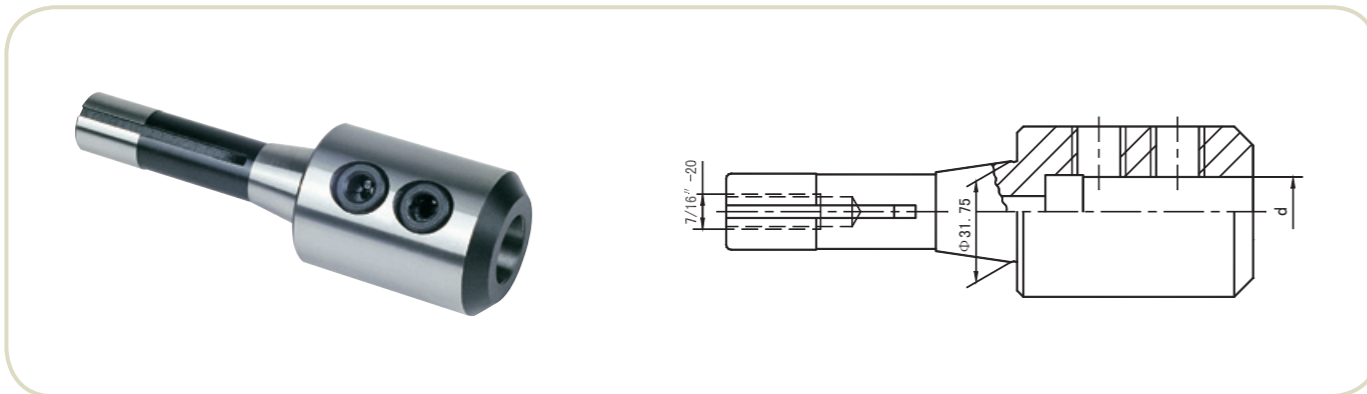
If order double, MS2 d=1/2, Order No. is FDMS20500L



# ADAPTER SERIES

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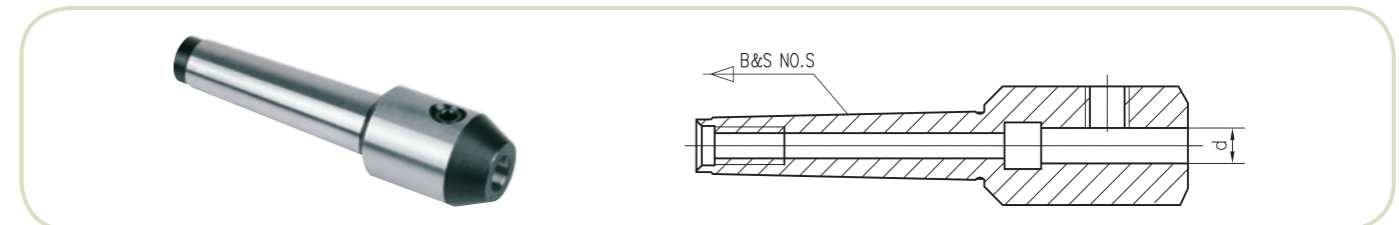
## RH-00196 R8 END MILL ADAPTERS



| Order No. | d(mm) | Order No. | d(in) |
|-----------|-------|-----------|-------|
| FDR8040M  | 4     | FDR80188  | 3/16  |
| FDR8050M  | 5     | FDR80250  | 1/4   |
| FDR8060M  | 6     | FDR80312  | 5/16  |
| FDR8070M  | 7     | FDR80375  | 3/8   |
| FDR8080M  | 8     | FDR80438  | 7/16  |
| FDR8090M  | 9     | FDR80500  | 1/2   |
| FDR8100M  | 10    | FDR80562  | 9/16  |
| FDR8120M  | 12    | FDR80625  | 5/8   |
| FDR8140M  | 14    | FDR80688  | 11/16 |
| FDR8160M  | 16    | FDR80750  | 3/4   |
| FDR8180M  | 18    | FDR80875  | 7/8   |
| FDR8200M  | 20    | FDR81000  | 1     |
| FDR8220M  | 22    | FDR81125  | 1-1/8 |
| FDR8250M  | 25    | FDR81250  | 1-1/4 |
| FDR8270M  | 27    | FDR81500  | 1-1/2 |
| FDR8320M  | 32    | FDR82000  | 2     |
| FDR8400M  | 40    | FDR82500  | 2-1/2 |

1. If order double, d=1/2, Order No. is FDR80500L
2. We also can machining specially for your requirements.

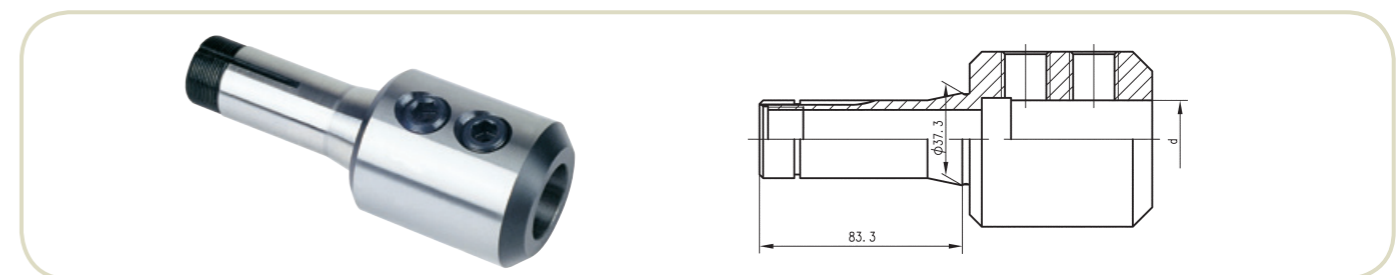
## RH-00198 B&S TAPER END MILL ADAPTERS



| d<br>in | Order No.  |            |             |             |
|---------|------------|------------|-------------|-------------|
|         | B&S7       | B&S9       | B&S10       | B&S11       |
| 3/16    | FDB&S70188 | FDB&S90188 | FDB&S100188 | FDB&S110188 |
| 1/4     | FDB&S70250 | FDB&S90250 | FDB&S100250 | FDB&S110250 |
| 5/16    | FDB&S70312 | FDB&S90312 | FDB&S100312 | FDB&S110312 |
| 3/8     | FDB&S70375 | FDB&S90375 | FDB&S100375 | FDB&S110375 |
| 1/2     | FDB&S70500 | FDB&S90500 | FDB&S100500 | FDB&S110500 |
| 5/8     | FDB&S70625 | FDB&S90625 | FDB&S100625 | FDB&S110625 |
| 3/4     | FDB&S70750 | FDB&S90750 | FDB&S100750 | FDB&S110750 |
| 7/8     |            |            | FDB&S100875 | FDB&S110875 |
| 1       |            |            | FDB&S101000 | FDB&S111000 |
| 1-1/4   |            |            | FDB&S101250 | FDB&S111250 |
| 1-1/2   |            |            | FDB&S101500 | FDB&S111500 |
| 2       |            |            |             | FDB&S112000 |
| 2-1/2   |            |            |             | FDB&S112500 |

1. Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.
2. If order double, B&S9 d=1/2, Order No. is FDB&S90500L

## RH-00202 5C END MILL ADAPTERS



| Order No. | d(mm) | Order No. | d(in) |
|-----------|-------|-----------|-------|
| FD5C320M  | 32    | FD5C1250  | 1-1/4 |
| FD5C400M  | 40    | FD5C1500  | 1-1/2 |
| FD5C500M  | 50    | FD5C2000  | 2     |

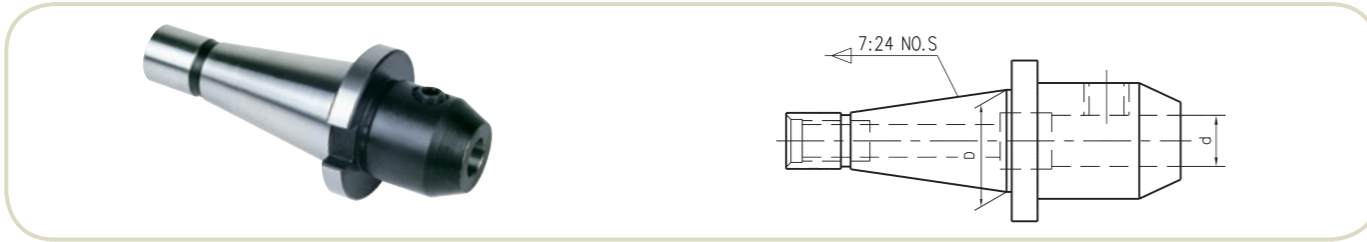
We also can machining specially for your requirements.



# ADAPTER SERIES

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## RH-00200 7: 24 END MILL ADAPTERS

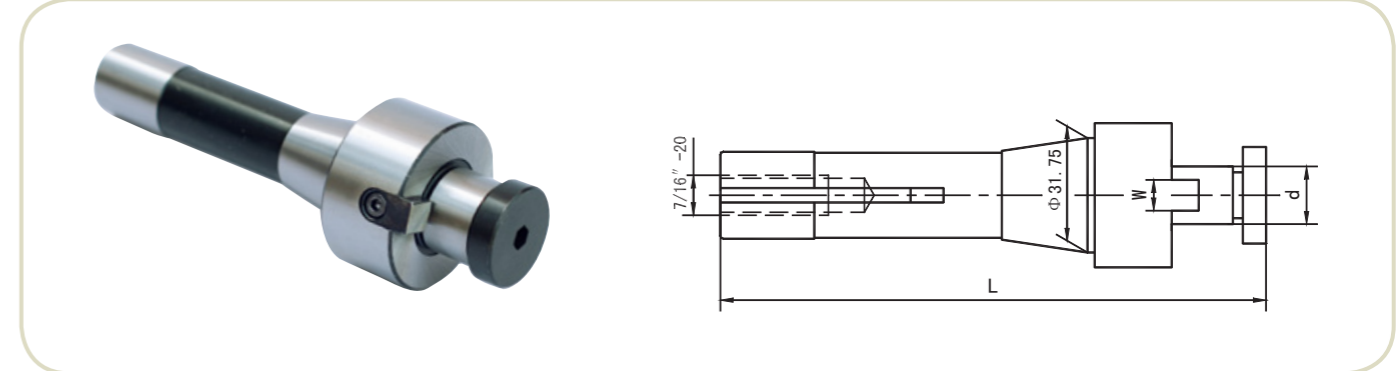


| d<br>mm | Order No.   |             |             |
|---------|-------------|-------------|-------------|
|         | ISO30       | ISO40       | ISO50       |
| 4       | FDISO30040M | FDISO40040M | FDISO50040M |
| 6       | FDISO30060M | FDISO40060M | FDISO50060M |
| 8       | FDISO30080M | FDISO40080M | FDISO50080M |
| 10      | FDISO30100M | FDISO40100M | FDISO50100M |
| 12      | FDISO30120M | FDISO40120M | FDISO50120M |
| 14      | FDISO30140M | FDISO40140M | FDISO50140M |
| 16      | FDISO30160M | FDISO40160M | FDISO50160M |
| 18      | FDISO30180M | FDISO40180M | FDISO50180M |
| 20      | FDISO30200M | FDISO40200M | FDISO50200M |
| 22      | FDISO30220M | FDISO40220M | FDISO50220M |
| 25      | FDISO30250M | FDISO40250M | FDISO50250M |
| 32      | FDISO30320M | FDISO40320M | FDISO50320M |
| 40      |             | FDISO40400M | FDISO50400M |
| 50      |             |             | FDISO50500M |
| 63      |             |             | FDISO50630M |

| d<br>in | Order No.   |             |             |
|---------|-------------|-------------|-------------|
|         | ISO30       | ISO40       | ISO50       |
| 3/16    | FDISO300188 | FDISO400188 | FDISO500188 |
| 1/4     | FDISO300250 | FDISO400250 | FDISO500250 |
| 5/16    | FDISO300312 | FDISO400312 | FDISO500312 |
| 3/8     | FDISO300375 | FDISO400375 | FDISO500375 |
| 1/2     | FDISO300500 | FDISO400500 | FDISO500500 |
| 5/8     | FDISO300625 | FDISO400625 | FDISO500625 |
| 3/4     | FDISO300750 | FDISO400750 | FDISO500750 |
| 7/8     | FDISO300875 | FDISO400875 | FDISO500875 |
| 1       | FDISO301000 | FDISO401000 | FDISO501000 |
| 1-1/4   | FDISO301250 | FDISO401250 | FDISO501250 |
| 1-1/2   |             | FDISO401500 | FDISO501500 |
| 2       |             | FDISO402000 | FDISO502000 |
| 2-1/2   |             | FDISO402500 | FDISO502500 |

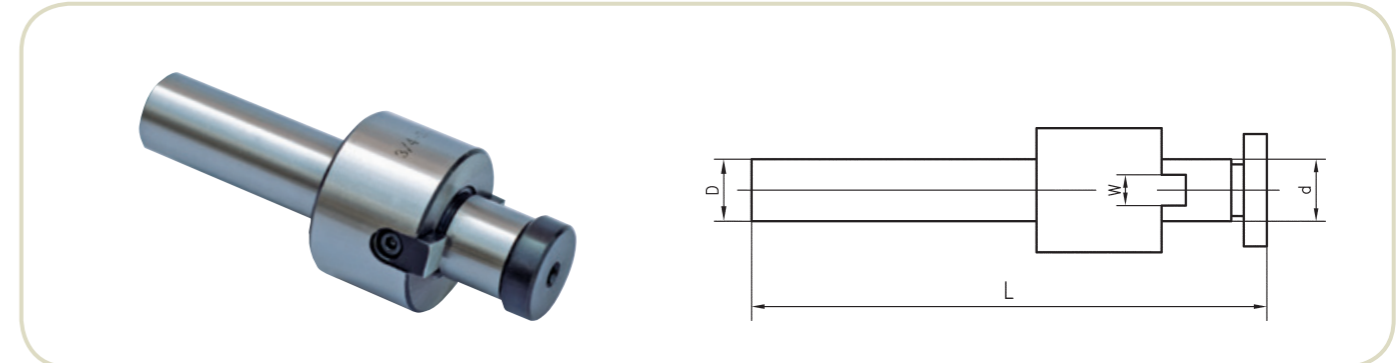
- Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.
- If order double: ISO40 d=1/2, Order No. is FDISO400500L

## RH-00204 R8 SHELL END MILL ARBORS



| Order No. | d<br>mm | W<br>mm | L<br>mm | Wt(kg) | Order No.  | d<br>in | W<br>mm | L<br>mm | Wt(kg) |
|-----------|---------|---------|---------|--------|------------|---------|---------|---------|--------|
| SDR8-16   | 16      | 8       | 151     | 0.35   | SDR8-1/2   | 1/2     | 6.35    | 150     | 0.47   |
| SDR8-22   | 22      | 10      | 153.5   | 0.70   | SDR8-3/4   | 3/4     | 7.94    | 154     | 0.62   |
| SDR8-27   | 27      | 12      | 160     | 0.88   | SDR8-7/8   | 7/8     | 8.7     | 155     | 0.72   |
| SDR8-32   | 32      | 14      | 166     | 1.16   | SDR8-1     | 1       | 9.53    | 155     | 0.85   |
| SDR8-40   | 40      | 16      | 170     | 1.47   | SDR8-1-1/4 | 1-1/4   | 12.7    | 156     | 1.15   |
|           |         |         |         |        | SDR8-1-1/2 | 1-1/2   | 15.88   | 163     | 1.36   |

## RH-00206 STRAIGHT SHANK SHELL END MILL ARBORS



INCH

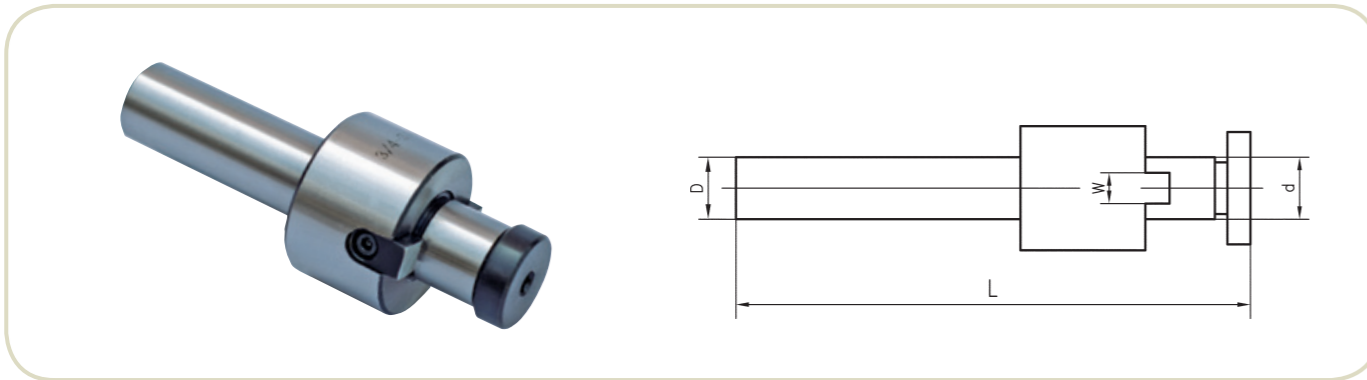
| Order No.   | D<br>in | d<br>in | W<br>mm | L<br>mm | Order No.   | D<br>in | d<br>in | W<br>mm | L<br>mm |
|-------------|---------|---------|---------|---------|-------------|---------|---------|---------|---------|
| SD1/2-1/2   | 1/2     | 1/2     | 6.35    | 104     | SD3/4-1/2   | 3/4     | 1/2     | 6.35    | 146     |
| SD1/2-5/8   | 1/2     | 5/8     | 7.14    | 105     | SD3/4-5/8   | 3/4     | 5/8     | 7.14    | 147     |
| SD1/2-3/4   | 1/2     | 3/4     | 7.94    | 113     | SD3/4-3/4   | 3/4     | 3/4     | 7.94    | 154.5   |
| SD1/2-7/8   | 1/2     | 7/8     | 8.70    | 114     | SD3/4-7/8   | 3/4     | 7/8     | 8.70    | 155.5   |
| SD1/2-1     | 1/2     | 1       | 9.53    | 114     | SD3/4-1     | 3/4     | 1       | 9.53    | 155.5   |
| SD1/2-1-1/4 | 1/2     | 1-1/4   | 12.70   | 117     | SD3/4-1-1/4 | 3/4     | 1-1/4   | 12.70   | 159     |
| SD1/2-1-1/2 | 1/2     | 1-1/2   | 15.88   | 130     | SD3/4-1-1/2 | 3/4     | 1-1/2   | 15.88   | 168     |



# ADAPTER SERIES

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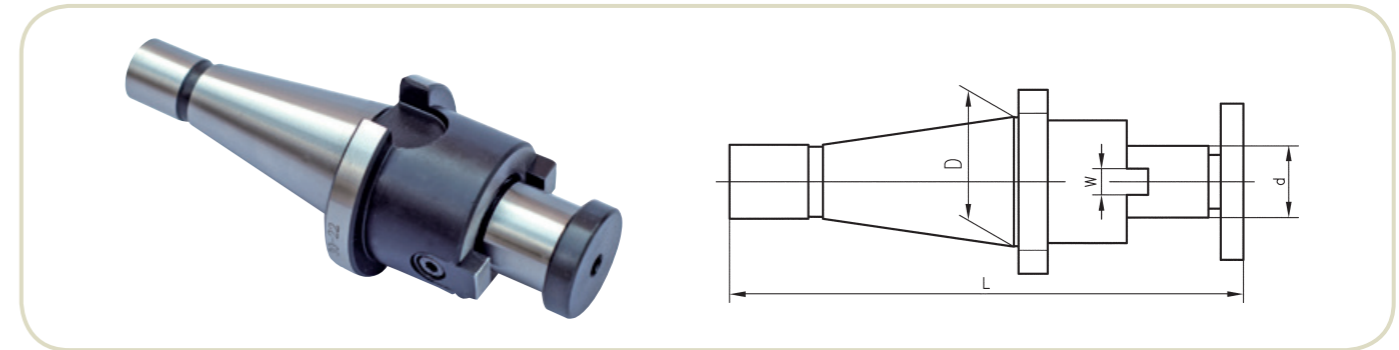
## RH-00206 STRAIGHT SHANK SHELL END MILL ARBORS



MM

| Order No. | D mm | d mm | W mm | L mm | Order No. | D mm | d mm | W mm | L mm |
|-----------|------|------|------|------|-----------|------|------|------|------|
| SD12-13   | 12   | 13   | 8    | 85   | SD32-27   | 32   | 27   | 12   | 117  |
| SD12-16   | 12   | 16   | 8    | 90   | SD32-32   | 32   | 32   | 14   | 123  |
| SD12-22   | 12   | 22   | 10   | 97   | SD32-40   | 32   | 40   | 16   | 130  |
| SD16-13   | 16   | 13   | 8    | 88   | SD32-50   | 32   | 50   | 18   | 137  |
| SD16-16   | 16   | 16   | 8    | 93   | SD32-60   | 32   | 60   | 20   | 162  |
| SD16-22   | 16   | 22   | 10   | 100  | SD40-16   | 40   | 16   | 8    | 115  |
| SD16-27   | 16   | 27   | 12   | 105  | SD40-22   | 40   | 22   | 10   | 122  |
| SD20-13   | 20   | 13   | 8    | 90   | SD40-27   | 40   | 27   | 12   | 127  |
| SD20-16   | 20   | 16   | 8    | 95   | SD40-32   | 40   | 32   | 14   | 133  |
| SD20-22   | 20   | 22   | 10   | 102  | SD40-40   | 40   | 40   | 16   | 140  |
| SD20-27   | 20   | 27   | 12   | 107  | SD40-50   | 40   | 50   | 18   | 147  |
| SD20-32   | 20   | 32   | 14   | 113  | SD40-60   | 40   | 60   | 20   | 172  |
| SD20-40   | 20   | 40   | 16   | 120  | SD50-22   | 50   | 22   | 10   | 132  |
| SD25-13   | 25   | 13   | 8    | 96   | SD50-27   | 50   | 27   | 12   | 137  |
| SD25-16   | 25   | 16   | 8    | 101  | SD50-32   | 50   | 32   | 14   | 143  |
| SD25-22   | 25   | 22   | 10   | 108  | SD50-40   | 50   | 40   | 16   | 150  |
| SD25-27   | 25   | 27   | 12   | 113  | SD50-50   | 50   | 50   | 18   | 157  |
| SD25-32   | 25   | 32   | 14   | 119  | SD50-60   | 50   | 60   | 20   | 182  |
| SD25-40   | 25   | 40   | 16   | 126  | SD63-27   | 63   | 27   | 12   | 147  |
| SD25-50   | 25   | 50   | 18   | 133  | SD63-32   | 63   | 32   | 14   | 153  |
| SD32-13   | 32   | 13   | 8    | 100  | SD63-40   | 63   | 40   | 16   | 160  |
| SD32-16   | 32   | 16   | 8    | 105  | SD63-50   | 63   | 50   | 18   | 167  |
| SD32-22   | 32   | 22   | 10   | 112  | SD63-60   | 63   | 60   | 20   | 192  |

## RH-00208 7:24 SHANK SHELL END MILL ARBORS

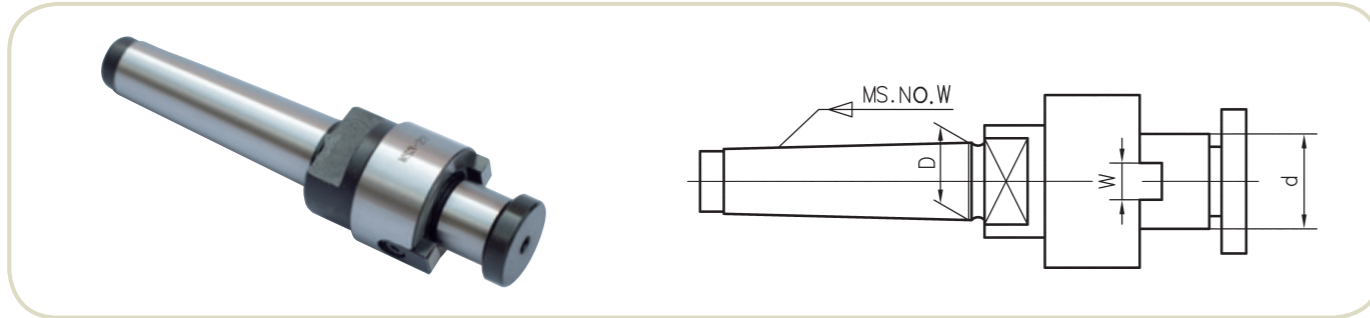


| Order No.  | D mm  | d mm | W mm | L mm | Wt(kg) | d in  | W mm  | L mm  | Wt(kg) |
|------------|-------|------|------|------|--------|-------|-------|-------|--------|
| SD/ISO30×d | 31.75 | 13   | 8    | 121  | 0.31   | 1/2   | 6.35  | 139.5 | 0.55   |
|            |       | 16   | 8    | 126  | 0.37   | 5/8   | 7.14  | 140.5 | 0.64   |
|            |       | 22   | 10   | 129  | 0.47   | 3/4   | 7.94  | 144   | 0.75   |
|            |       | 27   | 12   | 134  | 0.60   | 7/8   | 8.70  | 145   | 0.88   |
|            |       | 32   | 14   | 141  | 1.04   | 1     | 9.53  | 145   | 1.02   |
|            |       | 40   | 16   | 150  | 1.59   | 1-1/4 | 12.70 | 146   | 1.41   |
|            |       | 50   | 18   | 155  | 2.43   | 1-1/2 | 15.88 | 153   | 1.83   |
|            |       |      |      |      |        |       | 2     | 19.05 | 180    |
| SD/ISO40×d | 44.45 | 16   | 8    | 153  | 0.71   | 1/2   | 6.35  | 164.5 | 0.92   |
|            |       | 22   | 10   | 156  | 0.82   | 5/8   | 7.14  | 165.5 | 1.01   |
|            |       | 27   | 12   | 159  | 0.95   | 3/4   | 7.94  | 169   | 1.13   |
|            |       | 32   | 14   | 178  | 1.45   | 7/8   | 8.70  | 170   | 1.30   |
|            |       | 40   | 16   | 182  | 1.91   | 1     | 9.53  | 170   | 1.40   |
|            |       | 50   | 18   | 187  | 2.80   | 1-1/4 | 12.70 | 171   | 1.70   |
|            |       | 60   | 20   | 209  | 4.23   | 1-1/2 | 15.88 | 178   | 2.20   |
|            |       |      |      |      |        |       | 2     | 19.05 | 205    |
| SD/ISO50×d | 69.85 | 16   | 8    | 205  | 2.88   | 1/2   | 6.35  | 198   | 2.70   |
|            |       | 22   | 10   | 208  | 3.04   | 5/8   | 7.14  | 199   | 2.80   |
|            |       | 27   | 12   | 211  | 3.22   | 3/4   | 7.94  | 202   | 2.90   |
|            |       | 32   | 14   | 215  | 3.49   | 7/8   | 8.70  | 203   | 3.00   |
|            |       | 40   | 16   | 219  | 3.91   | 1     | 9.53  | 203   | 3.20   |
|            |       | 50   | 18   | 224  | 4.75   | 1-1/4 | 12.70 | 204   | 4.00   |
|            |       | 60   | 20   | 246  | 6.15   | 1-1/2 | 15.88 | 211.5 | 4.00   |
|            |       |      |      |      |        |       | 2     | 19.05 | 238.5  |

Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.

# ADAPTER SERIES

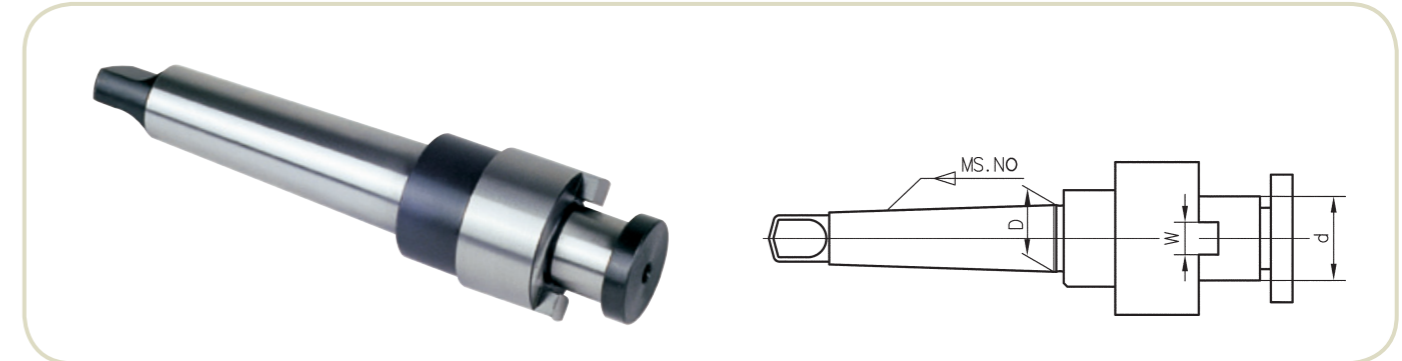
## RH-00210 MORSE TAPER SHELL END MILL ARBORS(DRAW BAR TYPE)



| Order No.     | D(mm)  | d(in) | W(mm) | Order No.  | D(mm)  | d(mm) | W(mm) |
|---------------|--------|-------|-------|------------|--------|-------|-------|
| SD/MS2W-1/2   | 17.780 | 1/2   | 6.35  | SD/MS2W-13 | 17.780 | 13    | 8     |
| SD/MS2W-5/8   |        | 5/8   | 7.14  | SD/MS2W-16 |        | 16    | 8     |
| SD/MS2W-3/4   |        | 3/4   | 7.94  | SD/MS2W-22 |        | 22    | 10    |
| SD/MS2W-7/8   |        | 7/8   | 8.70  | SD/MS2W-27 |        | 27    | 12    |
| SD/MS3W-1/2   | 23.825 | 1/2   | 6.35  | SD/MS3W-13 | 23.825 | 13    | 8     |
| SD/MS3W-5/8   |        | 5/8   | 7.14  | SD/MS3W-16 |        | 16    |       |
| SD/MS3W-3/4   |        | 3/4   | 7.94  | SD/MS3W-22 |        | 22    | 10    |
| SD/MS3W-7/8   |        | 7/8   | 8.70  | SD/MS3W-27 |        | 27    | 12    |
| SD/MS3W-1     |        | 1     | 9.53  | SD/MS3W-32 |        | 32    | 14    |
| SD/MS3W-1-1/4 |        | 1-1/4 | 12.70 | SD/MS3W-40 |        | 40    | 16    |
| SD/MS4W-1/2   | 31.267 | 1/2   | 6.35  | SD/MS4W-13 | 31.267 | 13    | 8     |
| SD/MS4W-5/8   |        | 5/8   | 7.14  | SD/MS4W-16 |        | 16    |       |
| SD/MS4W-3/4   |        | 3/4   | 7.94  | SD/MS4W-22 |        | 22    | 10    |
| SD/MS4W-7/8   |        | 7/8   | 8.70  | SD/MS4W-27 |        | 27    | 12    |
| SD/MS4W-1     |        | 1     | 9.53  | SD/MS4W-32 |        | 32    | 14    |
| SD/MS4W-1-1/4 |        | 1-1/4 | 12.70 | SD/MS4W-40 |        | 40    | 16    |
| SD/MS4W-1-1/2 |        | 1-1/2 | 15.88 | SD/MS4W-50 |        | 50    | 18    |
| SD/MS5W-1/2   | 44.399 | 1/2   | 6.35  | SD/MS5W-16 | 44.399 | 16    | 8     |
| SD/MS5W-5/8   |        | 5/8   | 7.14  | SD/MS5W-22 |        | 22    | 10    |
| SD/MS5W-3/4   |        | 3/4   | 7.94  | SD/MS5W-27 |        | 27    | 12    |
| SD/MS5W-7/8   |        | 7/8   | 8.70  | SD/MS5W-32 |        | 32    | 14    |
| SD/MS5W-1     |        | 1     | 9.53  | SD/MS5W-40 |        | 40    | 16    |
| SD/MS5W-1-1/4 |        | 1-1/4 | 12.70 | SD/MS5W-50 |        | 50    | 18    |
| SD/MS5W-1-1/2 |        | 1-1/2 | 15.88 | SD/MS5W-60 |        | 60    | 20    |
| SD/MS5W-2     |        | 2     | 19.05 |            |        |       |       |

Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.

## RH-00210 MORSE TAPER SHELL END MILL ARBORS(TANG TYPE)



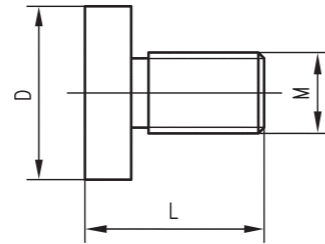
| Order No.    | D(mm)  | d(in) | W(mm) | Order No. | D(mm)  | d(mm) | W(mm) |
|--------------|--------|-------|-------|-----------|--------|-------|-------|
| SD/MS2-1/2   | 17.780 | 1/2   | 6.35  | SD/MS2-13 | 17.780 | 13    | 8     |
| SD/MS2-5/8   |        | 5/8   | 7.14  | SD/MS2-16 |        | 16    | 8     |
| SD/MS2-3/4   |        | 3/4   | 7.94  | SD/MS2-22 |        | 22    | 10    |
| SD/MS2-7/8   |        | 7/8   | 8.70  | SD/MS2-27 |        | 27    | 12    |
| SD/MS3-1/2   | 23.825 | 1/2   | 6.35  | SD/MS3-13 | 23.825 | 13    | 8     |
| SD/MS3-5/8   |        | 5/8   | 7.14  | SD/MS3-16 |        | 16    |       |
| SD/MS3-3/4   |        | 3/4   | 7.94  | SD/MS3-22 |        | 22    | 10    |
| SD/MS3-7/8   |        | 7/8   | 8.70  | SD/MS3-27 |        | 27    | 12    |
| SD/MS3-1     |        | 1     | 9.53  | SD/MS3-32 |        | 32    | 14    |
| SD/MS3-1-1/4 |        | 1-1/4 | 12.70 | SD/MS3-40 |        | 40    | 16    |
| SD/MS4-1/2   | 31.267 | 1/2   | 6.35  | SD/MS4-13 | 31.267 | 13    | 8     |
| SD/MS4-5/8   |        | 5/8   | 7.14  | SD/MS4-16 |        | 16    |       |
| SD/MS4-3/4   |        | 3/4   | 7.94  | SD/MS4-22 |        | 22    | 10    |
| SD/MS4-7/8   |        | 7/8   | 8.70  | SD/MS4-27 |        | 27    | 12    |
| SD/MS4-1     |        | 1     | 9.53  | SD/MS4-32 |        | 32    | 14    |
| SD/MS4-1-1/4 |        | 1-1/4 | 12.70 | SD/MS4-40 |        | 40    | 16    |
| SD/MS4-1-1/2 |        | 1-1/2 | 15.88 | SD/MS4-50 |        | 50    | 18    |
| SD/MS5-1/2   | 44.399 | 1/2   | 6.35  | SD/MS5-16 | 44.399 | 16    | 8     |
| SD/MS5-5/8   |        | 5/8   | 7.14  | SD/MS5-22 |        | 22    | 10    |
| SD/MS5-3/4   |        | 3/4   | 7.94  | SD/MS5-27 |        | 27    | 12    |
| SD/MS5-7/8   |        | 7/8   | 8.70  | SD/MS5-32 |        | 32    | 14    |
| SD/MS5-1     |        | 1     | 9.53  | SD/MS5-40 |        | 40    | 16    |
| SD/MS5-1-1/4 |        | 1-1/4 | 12.70 | SD/MS5-50 |        | 50    | 18    |
| SD/MS5-1-1/2 |        | 1-1/2 | 15.88 | SD/MS5-60 |        | 60    | 20    |
| SD/MS5-2     |        | 2     | 19.05 |           |        |       |       |



# ADAPTER SERIES

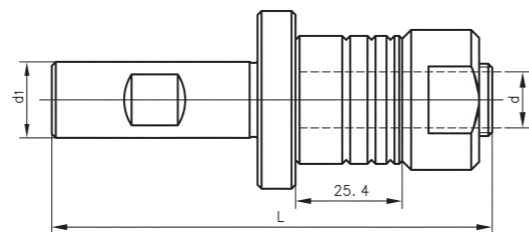
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## RH-00212 SCREW FOR SHELL END MILL ARBORS



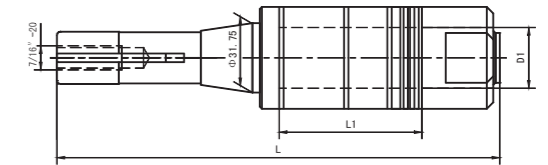
| Order No. | M   | Dia of arbors(mm) | D mm | L mm | Order No.   | M         | Dia of arbors(in) | D mm  | L mm |
|-----------|-----|-------------------|------|------|-------------|-----------|-------------------|-------|------|
| SD-M6     | M6  | 13                | 17   | 18   | SD-1/4-28   | 1/4"-28   | 1/2               | 16.7  | 21   |
| SD-M8     | M8  | 16                | 20   | 22   | SD-3/8-24   | 3/8"-24   | 5/8 3/4           | 22.2  | 27   |
| SD-M10    | M10 | 22                | 28   | 25   | SD-1/2-20   | 1/2"-20   | 7/8 1             | 30.2  | 33   |
| SD-M12    | M12 | 27                | 35   | 30   | SD-5/8-18   | 5/8"-18   | 1-1/4             | 38.1  | 39   |
| SD-M16    | M16 | 32                | 42   | 35   | SD-3/4-16   | 3/4"-16   | 1-1/2             | 47.6  | 45   |
| SD-M20    | M20 | 40                | 52   | 40   | SD-1-12     | 1"-12     | 2                 | 63.1  | 52   |
| SD-M24    | M24 | 50                | 63   | 48   | SD-1-1/4-12 | 1-1/4"-12 | 2-1/2             | 69.85 | 55   |
| SD-M30    | M30 | 60                | 75   | 53   |             |           |                   |       |      |

## RH-00214 STRAIGHT SHANK MILLING MACHINE ARBORS



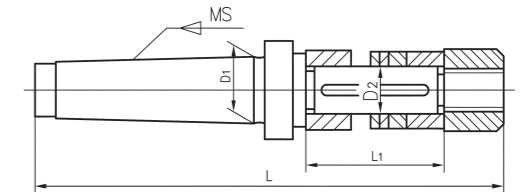
| Order No.   | d1 (in) | d (in)      | L (mm) | Order No. | d1 (in) | d (in) | L (mm) |
|-------------|---------|-------------|--------|-----------|---------|--------|--------|
| DG1/2-1/2   | 1/2     | 1/2         | 102.4  | DG3/4-1/2 | 3/4     | 1/2    | 108.7  |
| DG1/2-5/8   |         | 5/8         |        | DG3/4-5/8 |         | 5/8    |        |
| DG1/2-3/4   |         | 3/4         | 105.6  | DG3/4-3/4 |         | 3/4    | 111.9  |
| DG1/2-7/8   |         | 7/8         |        | DG3/4-7/8 |         | 7/8    |        |
| DG1/2-1     |         | 1           | 111.9  | DG3/4-1   |         | 1      | 118.3  |
| DG1/2-1-1/4 | 1-1/4   | DG3/4-1-1/4 |        | 1-1/4     |         |        |        |

## RH-00216 R8 STUB MILLING MACHINE ARBORS



| Order No.   | D1 (mm) | L1 (mm) | L (mm) | Wt (kg) |
|-------------|---------|---------|--------|---------|
| DGR8-13     | 13      | 63      | 199    | 0.53    |
| DGR8-16     | 16      | 63      | 201    | 0.59    |
| DGR8-22     | 22      | 63      | 206    | 0.73    |
| DGR8-1"     | 25.4    | 50.8    | 193    | 0.79    |
| DGR8-27     | 27      | 63      | 211    | 0.91    |
| DGR8-1-1/4" | 31.75   | 50.8    | 196    | 0.95    |
| DGR8-32     | 32      | 63      | 215    | 1.09    |

## RH-00218 MORSE TAPER STUB MILLING MACHINE ARBORS



| Order No.    | Shank | D1 (mm) | D2 (mm) | L (mm) | L1 (mm) | Wt (kg) |
|--------------|-------|---------|---------|--------|---------|---------|
| DGMS2-22     | MS2   | 17.780  | 22      | 171    | 63      | 0.421   |
| DGMS2-1/2"   |       |         | 12.7    | 148    | 50.8    | 0.430   |
| DGMS2-5/8"   |       |         | 15.875  | 151.6  |         | 0.478   |
| DGMS2-1"     |       |         | 25.4    | 157    | 0.504   |         |
| DGMS3-13     | MS3   | 23.825  | 13      | 199    | 63      | 0.527   |
| DGMS3-16     |       |         | 16      | 201    |         | 0.591   |
| DGMS3-22     |       |         | 22      | 206    | 50.8    | 0.783   |
| DGMS3-1"     |       |         | 25.4    | 174    |         | 0.634   |
| DGMS3-27     | MS4   | 31.267  | 27      | 211    | 63      | 0.905   |
| DGMS3-1-1/4" |       |         | 31.75   | 177    | 50.8    | 0.795   |
| DGMS3-32     |       |         | 32      | 215    | 63      | 1.089   |
| DGMS4-13     |       |         | 13      | 227    |         | 0.336   |
| DGMS4-16     | 16    | 229     | 0.400   |        |         |         |
| DGMS4-22     | 22    | 234     | 0.542   |        |         |         |
| DGMS4-27     | MS4   | 31.267  | 27      | 239    | 63      | 0.714   |
| DGMS4-32     |       |         | 32      | 243    |         | 0.890   |

Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.

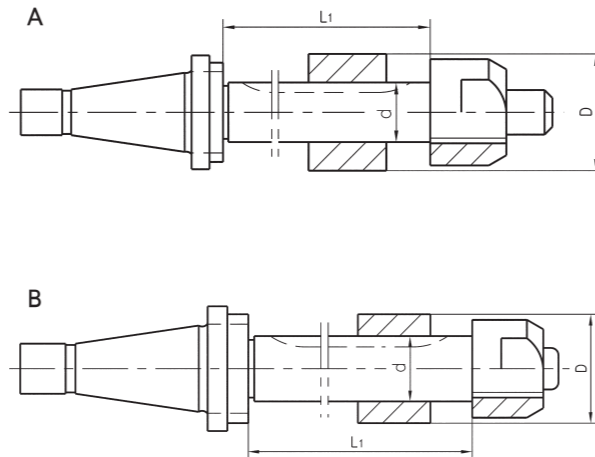




# ADAPTER SERIES

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## RH-00220 7:24 MILLING MACHINE ARBORS



Threads For Drawbar: 30 1/2" -13, 40 5/8" -11, 50 1" -8

INCH

| Order No.   | ISO.NO | d     | L1    | D | Style | Qty  |   |  |
|-------------|--------|-------|-------|---|-------|------|---|--|
| 30-1A10     | 30     | 1     | 10    | / | A     | none |   |  |
| 30-1A12     |        |       | 12    |   |       |      |   |  |
| 30-1-1/4A10 |        | 1-1/4 | 10    |   |       |      |   |  |
| 30-1B2      |        |       | 2     |   |       |      |   |  |
| 30-1B8      |        | 1     | 8     |   |       |      |   |  |
| 30-1B12     |        |       | 12    |   |       |      |   |  |
| 30-7/8A10   | 7/8    | 10    | 1-7/8 | B | 1     |      |   |  |
| 40-7/8A16   |        | 16    | 1-7/8 |   | 1     |      |   |  |
| 40-1A8      | 40     | 1     | 8     | / | A     | none |   |  |
| 40-1A10     |        |       | 10    |   |       |      |   |  |
| 40-1A12     |        |       | 12    |   |       |      |   |  |
| 40-1A16     |        |       | 16    |   |       |      |   |  |
| 40-1A20     |        |       | 20    |   |       |      |   |  |
| 40-1-1/4A8  |        |       | 1-1/4 |   |       |      | 8 |  |
| 40-1-1/4A10 |        | 10    |       |   |       |      |   |  |
| 40-1-1/4A12 |        | 12    |       |   |       |      |   |  |
| 40-1-1/4A16 |        | 16    |       |   |       |      |   |  |
| 40-1-1/4B3  |        | 1     | 3     |   |       |      | B |  |
| 40-1B3      |        |       |       |   |       |      |   |  |

## RH-00220 7:24 MILLING MACHINE ARBORS

INCH

| Order No.      | ISO.NO | d     | L1    | D | Style | Qty  |       |
|----------------|--------|-------|-------|---|-------|------|-------|
| 40-7/8B16      | 40     | 7/8   | 16    | / | B     | 1    |       |
| 40-1-1/4A16    |        | 1-1/4 |       |   | A     |      |       |
| 40-7/8B14      |        | 7/8   | 14    |   | 1-7/8 |      | B     |
| 40-1B14        |        | 1     |       |   |       |      |       |
| 40-1-1/4B14    |        | 1-1/4 |       |   |       |      |       |
| 40-1B20        |        | 1     | 20    |   |       |      |       |
| 40-1-1/4B20    |        | 1-1/4 |       |   |       |      |       |
| 40-1-1/2B20    |        | 1-1/2 |       |   | 2-1/8 |      |       |
| 50-7/8A18      | 50     | 7/8   | 18    | / | A     | none |       |
| 50-1A8         |        | 1     | 8     |   |       |      |       |
| 50-1A12        |        | 1     | 12    |   |       |      | 2-1/8 |
| 50-1A18-4      |        |       | 18    |   |       |      |       |
| 50-1-1/4A8     |        | 1-1/4 | 8     |   |       |      | 2-1/8 |
| 50-1-1/4A12    |        |       | 12    |   |       |      |       |
| 50-1-1/4A18-4  |        |       | 18    |   |       |      |       |
| 50-1B15-4      |        | 1     | 15    |   |       |      | 2-1/8 |
| 50-1B18-4      |        |       | 18    |   |       |      |       |
| 50-1B24-4      |        |       | 24    |   |       |      |       |
| 50-1-1/4B15-4  |        | 1-1/4 | 15    |   |       |      | 2-3/4 |
| 50-1-1/4B18-4  |        |       | 18    |   |       |      |       |
| 50-1-1/4B24-4  |        |       | 24    |   |       |      |       |
| 50-1-1/4B30-4  |        |       | 30    |   |       |      |       |
| 50-1-1/2B18-4  |        | 1-1/2 | 18    |   |       |      |       |
| 50-1-1/2B24-5  |        |       | 24    |   |       |      |       |
| 50-1-1/2B30-5  |        |       | 30    |   |       |      |       |
| 50-1-1/2B36-5  |        |       | 36    |   |       |      |       |
| 50-1B3-1/2     | 1      | 3-1/2 |       |   |       |      |       |
| 50-1-1/4B3-1/2 | 1-1/4  |       |       |   |       |      |       |
| 50-1-1/2B3-1/2 | 1-1/2  |       |       |   |       |      |       |
| 50-7/8A10      | 7/8    | 10    |       |   |       |      |       |
| 50-2B24-5      | 2      | 24    | 2-3/4 |   |       |      |       |
| 50-2B30-5      |        | 30    |       |   |       |      |       |
| 50-2B36-5      |        | 36    |       |   |       |      |       |
| 50-2-1/2B36-6  | 2-1/2  |       | 3-3/8 |   |       |      |       |

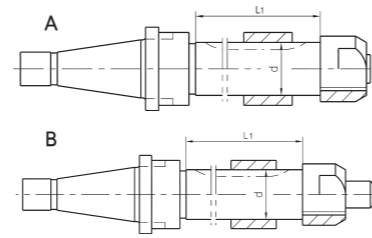
1. If no special requirement, supply you with spacers and running bushings according to the attached list.
2. If you have special requirement, note it in the contract.



# ADAPTER SERIES

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## RH-00224 7:24 MILLING MACHINE ARBORS



Threads For Drawbar: 30 M12, 40 M16, 50 M24

MM

| Order No.     | d  | L1  | Wt(kg) | Order No.     | d  | L1  | Wt(kg) |
|---------------|----|-----|--------|---------------|----|-----|--------|
| ISO30A-16-200 | 16 | 200 | 0.722  | ISO30B-16-200 | 16 | 200 | 0.741  |
| ISO30A-16-250 |    | 250 | 0.796  | ISO30B-16-250 |    | 250 | 0.815  |
| ISO30A-16-315 |    | 315 | 0.892  | ISO30B-16-315 |    | 315 | 0.911  |
| ISO30A-16-400 |    | 400 | 1.108  | ISO30B-16-400 |    | 400 | 1.037  |
| ISO30A-22-200 | 22 | 200 | 1.065  | ISO30B-22-200 | 22 | 200 | 1.084  |
| ISO30A-22-250 |    | 250 | 1.204  | ISO30B-22-250 |    | 250 | 1.223  |
| ISO30A-22-315 |    | 315 | 1.385  | ISO30B-22-315 |    | 315 | 1.404  |
| ISO30A-22-400 |    | 400 | 1.621  | ISO30B-22-400 |    | 400 | 1.640  |
| ISO30A-27-200 | 27 | 200 | 1.462  | ISO30B-27-200 | 27 | 200 | 1.481  |
| ISO30A-27-250 |    | 250 | 1.671  | ISO30B-27-250 |    | 250 | 1.6901 |
| ISO30A-27-315 |    | 315 | 1.944  | ISO30B-27-315 |    | 315 | 1.963  |
| ISO30A-27-400 |    | 400 | 2.300  | ISO30B-27-400 |    | 400 | 2.319  |
| ISO40A-16-200 | 16 | 200 | 1.308  | ISO40B-16-200 | 16 | 200 | 1.336  |
| ISO40A-16-250 |    | 250 | 1.382  | ISO40B-16-250 |    | 250 | 1.410  |
| ISO40A-16-315 |    | 315 | 1.478  | ISO40B-16-315 |    | 315 | 1.506  |
| ISO40A-16-400 |    | 400 | 1.664  | ISO40B-16-400 |    | 400 | 1.632  |
| ISO40A-22-200 | 22 | 200 | 1.700  | ISO40B-22-200 | 22 | 200 | 1.700  |
| ISO40A-22-250 |    | 250 | 1.803  | ISO40B-22-250 |    | 250 | 1.836  |
| ISO40A-22-315 |    | 315 | 1.984  | ISO40B-22-315 |    | 315 | 2.020  |
| ISO40A-22-400 |    | 400 | 2.220  | ISO40B-22-400 |    | 400 | 2.256  |
| ISO40A-22-500 |    | 500 | 2.498  | ISO40B-22-500 |    | 500 | 2.534  |
| ISO40A-27-250 | 27 | 250 | 2.287  | ISO40B-27-250 | 27 | 250 | 2.360  |
| ISO40A-27-315 |    | 315 | 2.559  | ISO40B-27-315 |    | 315 | 2.632  |
| ISO40A-27-400 |    | 400 | 2.915  | ISO40B-27-400 |    | 400 | 2.988  |
| ISO40A-27-500 |    | 500 | 3.334  | ISO40B-27-500 |    | 500 | 3.407  |
| ISO40A-27-630 |    | 630 | 3.879  | ISO40B-27-630 |    | 630 | 3.952  |
| ISO40A-32-250 | 32 | 250 | 2.860  | ISO40B-32-250 | 32 | 250 | 2.957  |
| ISO40A-32-315 |    | 315 | 3.131  | ISO40B-32-315 |    | 315 | 3.228  |
| ISO40A-32-400 |    | 400 | 3.484  | ISO40B-32-400 |    | 400 | 3.581  |
| ISO40A-32-500 |    | 500 | 3.900  | ISO40B-32-500 |    | 500 | 3.997  |
| ISO40A-32-630 |    | 630 | 4.649  | ISO40B-32-630 |    | 630 | 4.74   |

## RH-00224 7:24 MILLING MACHINE ARBORS

MM

| Order No.      | d  | L1   | Wt(kg) | Order No.      | d  | L1   | Wt(kg) |
|----------------|----|------|--------|----------------|----|------|--------|
| ISO40A-40-315  | 40 | 315  | 4.589  | ISO40B-40-315  | 40 | 315  | 4.743  |
| ISO40A-40-400  |    | 400  | 5.388  | ISO40B-40-400  |    | 400  | 5.542  |
| ISO40A-40-500  |    | 500  | 5.830  | ISO40B-40-500  |    | 500  | 5.984  |
| ISO40A-40-630  |    | 630  | 7.510  | ISO40B-40-630  |    | 630  | 7.704  |
| ISO50A-22-200  | 22 | 200  | 3.533  | ISO50B-22-200  | 22 | 200  | 3.569  |
| ISO50A-22-250  |    | 250  | 3.672  | ISO50B-22-250  |    | 250  | 3.768  |
| ISO50A-22-315  |    | 315  | 3.853  | ISO50B-22-315  |    | 315  | 3.889  |
| ISO50A-22-400  |    | 400  | 4.089  | ISO50B-22-400  |    | 400  | 4.125  |
| ISO50A-22-500  |    | 500  | 4.367  | ISO50B-22-500  |    | 500  | 4.403  |
| ISO50A-22-630  |    | 630  | 4.728  | ISO50B-22-630  |    | 630  | 4.764  |
| ISO50A-27-315  | 27 | 315  | 4.445  | ISO50B-27-315  | 27 | 315  | 4.518  |
| ISO50A-27-400  |    | 400  | 4.801  | ISO50B-27-400  |    | 400  | 4.784  |
| ISO50A-27-500  |    | 500  | 5.220  | ISO50B-27-500  |    | 500  | 5.296  |
| ISO50A-27-630  |    | 630  | 5.766  | ISO50B-27-630  |    | 630  | 5.835  |
| ISO50A-27-800  |    | 800  | 6.477  | ISO50B-27-800  |    | 800  | 5.550  |
| ISO50A-32-315  | 32 | 315  | 4.762  | ISO50B-32-315  | 32 | 315  | 4.859  |
| ISO50A-32-400  |    | 400  | 5.269  | ISO50B-32-400  |    | 400  | 5.366  |
| ISO50A-32-500  |    | 500  | 5.865  | ISO50B-32-500  |    | 500  | 5.963  |
| ISO50A-32-630  |    | 630  | 6.639  | ISO50B-32-630  |    | 630  | 6.736  |
| ISO50A-32-800  |    | 800  | 7.652  | ISO50B-32-800  |    | 800  | 7.749  |
| ISO50A-32-1000 |    | 1000 | 8.844  | ISO50B-32-1000 |    | 1000 | 8.941  |
| ISO50A-40-400  | 40 | 400  | 4.538  | ISO50B-40-400  | 40 | 400  | 4.692  |
| ISO50A-40-500  |    | 500  | 5.479  | ISO50B-40-500  |    | 500  | 5.633  |
| ISO50A-40-630  |    | 630  | 6.702  | ISO50B-40-630  |    | 630  | 6.856  |
| ISO50A-40-800  |    | 800  | 8.302  | ISO50B-40-800  |    | 800  | 8.456  |
| ISO50A-40-1000 |    | 1000 | 10.184 | ISO50B-40-1000 |    | 1000 | 10.388 |
| ISO50A-50-400  | 50 | 400  | 9.980  | ISO50B-50-400  | 50 | 400  | 10.366 |
| ISO50A-50-500  |    | 500  | 11.460 | ISO50B-50-500  |    | 500  | 11.835 |
| ISO40A-50-630  |    | 630  | 13.383 | ISO50B-50-630  |    | 630  | 13.751 |
| ISO40A-50-800  |    | 800  | 15.897 | ISO50B-50-800  |    | 800  | 16.720 |
| ISO40A-50-1000 |    | 1000 | 18.855 | ISO50B-50-1000 |    | 1000 | 19.230 |
| ISO40A-60-400  | 60 | 400  | 13.294 | ISO50B-60-400  | 60 | 400  | 13.813 |
| ISO40A-60-500  |    | 500  | 13.568 | ISO50B-60-500  |    | 500  | 14.087 |
| ISO40A-60-630  |    | 630  | 13.924 | ISO50B-60-630  |    | 630  | 14.443 |
| ISO40A-60-800  |    | 800  | 14.390 | ISO50B-60-800  |    | 800  | 14.909 |
| ISO40A-60-1000 |    | 1000 | 14.938 | ISO50B-60-1000 |    | 1000 | 15.457 |

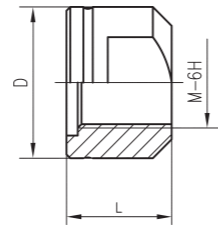


# ADAPTER SERIES

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1. If no special requirement, only supply you with arbor spacers and nut
2. If you require arbor running bushings, note its length and outside diameter, the quantity of spacers, arbor running bushings and nut is for the till of arbor, the price for other business
3. If you require no arbor spacers, arbor running bushings and nut, note yourself

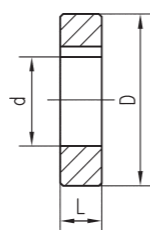
## RH-00226 NUTS



| Order No.   | M         | L(mm) | D(mm) | Dia of arbors(in) |
|-------------|-----------|-------|-------|-------------------|
| LS-7/8-14   | 7/8"-14   | 19.05 | 35.05 | 7/8               |
| LS-1-14     | 1"-14     | 22.35 | 41.15 | 1                 |
| LS-1-12     | 1"-12     |       | 41.15 | 1-1/4             |
| LS-1-1/4-12 | 1-1/4"-12 |       | 41.15 | 1-1/2             |
| LS-1-1/2-12 | 1-1/2"-12 | 33.27 | 53.34 | 2                 |
| LS-2-12     | 2"-12     | 44.45 | 69.08 | 2-1/2             |
| LS-2-1/2-12 | 2-1/2"-12 | 47.63 | 81.78 |                   |

| Order No.  | M       | L(mm) | D(mm) | Dia of arbors(mm) |
|------------|---------|-------|-------|-------------------|
| LS-M12X1.5 | M12×1.5 | 18    | 23    | 13                |
| LS-M16X1.5 | M16×1.5 | 20    | 27    | 16                |
| LS-M20X2   | M20×2   | 25    | 34    | 22                |
| LS-M24X2   | M24×2   | 30    | 41    | 27                |
| LS-M27X2   | M27×2   | 34    | 47    | 32                |
| LS-M33X2   | M33×2   | 40    | 55    | 40                |
| LS-M39X3   | M39×3   | 48    | 69    | 50                |
| LS-M45X3   | M45×3   | 56    | 84    | 60                |

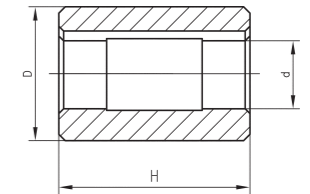
## RH-00228 ARBOR SPACERS



## RH-00228 ARBOR SPACERS

| Order No. | d(in) | D(in) | L(in)         | Order No. | d(mm) | D(mm) | L(mm)  |
|-----------|-------|-------|---------------|-----------|-------|-------|--------|
| AS-dXDXL  | 7/8   | 1-3/8 | 1/16 3/32 1/8 | AS-dXDXL  | 13    | 23    | 2 3    |
|           | 1     | 1-1/2 | 3/16 1/4 5/16 |           | 16    | 27    |        |
|           | 1-1/4 | 1-3/4 | 3/8 7/16 1/2  |           | 22    | 34    |        |
|           | 1-1/2 | 2-1/8 | 5/8 3/4 7/8   |           | 27    | 41    | 6 10   |
|           | 2     | 2-3/4 | 1 1-1/4 1-1/2 |           | 32    | 47    | 20 30  |
|           | 2-1/2 | 3-1/4 | 2 3           |           | 40    | 55    | 60 100 |
|           |       |       |               | 50        | 69    |       |        |
|           |       |       |               | 60        | 84    |       |        |

## RH-00230 ARBOR RUNNING BUSHINGS



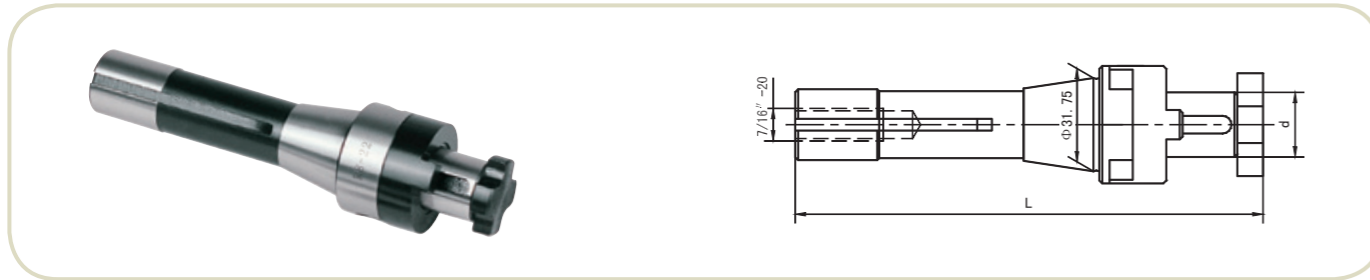
| Order No. | d(in) | H(in) | D(in) | Order No. | d(mm) | H(mm) | D(mm) |     |    |
|-----------|-------|-------|-------|-----------|-------|-------|-------|-----|----|
| RB-dDXH   | 7/8   | 2-5/8 | 1-5/8 | RB-dDXH   | 16    | 60    | 42    |     |    |
|           |       | 3-1/8 | 1-7/8 |           | 22    |       |       |     |    |
|           |       | 3-3/4 | 2-1/8 |           | 27    |       |       |     |    |
|           |       | 4-1/4 | 2-3/4 |           | 16    |       |       |     |    |
|           | 1     | 2-5/8 | 1-5/8 |           | 22    | 70    | 48    |     |    |
|           |       | 3-1/8 | 1-7/8 |           | 27    |       |       |     |    |
|           |       | 3-3/4 | 2-1/8 |           | 32    |       |       |     |    |
|           |       | 4-1/4 | 2-3/4 |           | 16    |       |       |     |    |
|           | 1-1/4 | 2-5/8 | 1-5/8 |           | 22    | 80    | 56    |     |    |
|           |       | 3-1/8 | 1-7/8 |           | 27    |       |       |     |    |
|           |       | 3-3/4 | 2-1/8 |           | 40    |       |       |     |    |
|           |       | 4-1/4 | 2-3/4 |           | 22    |       |       |     |    |
|           | 1-1/2 | 3-3/4 | 2-1/8 |           | 27    | 100   | 70    |     |    |
|           |       | 4-1/4 | 2-3/4 |           | 32    |       |       |     |    |
|           | 2     | 4-1/4 | 2-3/4 |           | 40    |       |       | 120 | 85 |
|           | 2-1/2 | 4-1/4 | 3-3/8 |           | 50    |       |       |     |    |
|           |       |       |       |           |       | 27    | 140   | 110 |    |
|           |       |       |       |           |       | 32    |       |     |    |
|           |       |       |       |           |       | 40    |       |     |    |
|           |       |       |       |           |       | 50    |       |     |    |
|           |       |       |       |           |       | 60    |       |     |    |



# ADAPTER SERIES

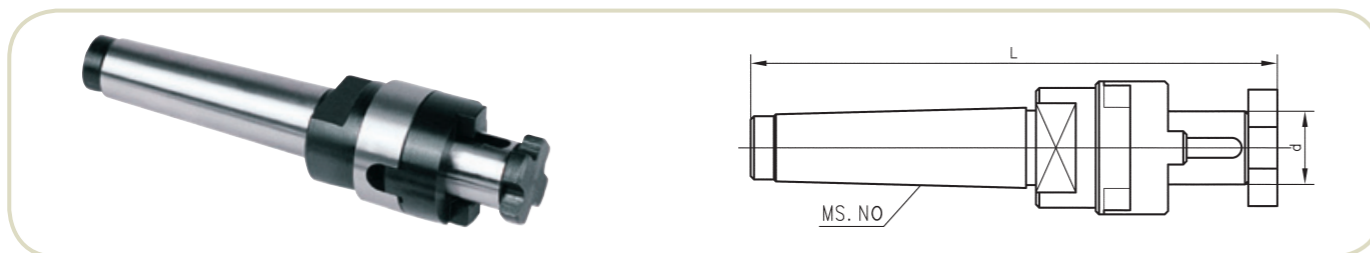
www.ruihantools.com Tel:+86-531-69951306 Email: info@ruihantools.com

## RH-00232 R8 COMBI SHELL END MILL ARBORS



| Order No. | d(mm) | L(mm) | Wt(kg) |
|-----------|-------|-------|--------|
| SKR8-13   | 13    | 145   | 0.446  |
| SKR8-16   | 16    | 150   | 0.478  |
| SKR8-22   | 22    | 158   | 0.603  |
| SKR8-27   | 27    | 161   | 0.727  |
| SKR8-32   | 32    | 170   | 0.760  |
| SKR8-40   | 40    | 176   | 0.850  |
| SKR8-1"   | 25.4  | 153   | 0.850  |

## RH-00234 MORSE TAPER COMBI SHELL END MILL ARBORS



| Order No. | d(mm) | L(mm) | MS.NO | Wt(kg)   | Order No. | d(mm) | L(mm) | MS.NO | Wt(kg) |
|-----------|-------|-------|-------|----------|-----------|-------|-------|-------|--------|
| SKMS2-13  | 13    | 125   | MS2   | 0.345    | SKMS4-16  | 16    | 181   | MS4   | 0.884  |
| SKMS2-16  | 16    | 131   |       | 0.392    | SKMS4-22  | 22    | 184   |       | 0.969  |
| SKMS2-22  | 22    | 139   |       | 0.421    | SKMS4-27  | 27    | 187   |       | 1.082  |
| SKMS2-27  | 27    | 142   |       | 0.480    | SKMS4-32  | 32    | 199   |       | 1.395  |
| SKMS3-13  | 13    | 143   | MS3   | 0.446    | SKMS4-40  | 40    | 203   | MS5   | 1.746  |
| SKMS3-16  | 16    | 149   |       | 0.490    | SKMS5-22  | 22    | 226   |       | 2.137  |
| SKMS3-22  | 22    | 157   |       | 0.605    | SKMS5-27  | 27    | 229   |       | 2.294  |
| SKMS3-27  | 27    | 160   |       | 0.725    | SKMS5-32  | 32    | 233   |       | 2.496  |
| SKMS3-32  | 32    | 169   |       | 0.975    | SKMS5-40  | 40    | 237   |       | 2.862  |
| SKMS3-1"  | 25.4  | 155   | 0.719 | SKMS5-50 | 50        | 242   | 2.536 |       |        |

Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.

## RH-00236 7:24 COMBI SHELL END MILL ARBORS



| Order No. | d mm | Shank | L mm  | Wt(kg)  | Order No. | d mm | Shank | L mm  | Wt(kg) |
|-----------|------|-------|-------|---------|-----------|------|-------|-------|--------|
| SK30-13   | 13   | ISO30 | 120   | 0.608   | SK40-40   | 40   | ISO40 | 182   | 2.790  |
| SK30-16   | 16   |       | 131   | 0.746   | SK40-50   | 50   |       | 189   | 3.115  |
| SK30-22   | 22   |       | 132   | 1.038   | SK40-1"   | 25.4 |       | 171   | 2.050  |
| SK30-27   | 27   |       | 135   | 1.474   | SK50-16   | 16   | IOS50 | 205   | 3.840  |
| SK30-32   | 32   |       | 151   | 2.101   | SK50-22   | 22   |       | 208   | 3.852  |
| SK30-1"   | 25.4 | 132   | 1.240 | SK50-27 | 27        | 211  |       | 3.974 |        |
| SK40-16   | 16   | ISO40 | 168   | 1.300   | SK50-32   | 32   |       | 215   | 4.402  |
| SK40-22   | 22   |       | 171   | 2.042   | SK50-40   | 40   |       | 219   | 5.276  |
| SK40-27   | 27   |       | 174   | 2.069   | SK50-50   | 50   | 224   | 7.619 |        |
| SK40-32   | 32   |       | 178   | 2.679   | SK50-1"   | 25.4 | 210   | 3.872 |        |

Specify the drawbar thread for the taper. Refer to page 24 of the catalogue. Otherwise with metric thread.

## RH-00238 ATTACHMENT OF COMBI SHELL END MILL ARBORS

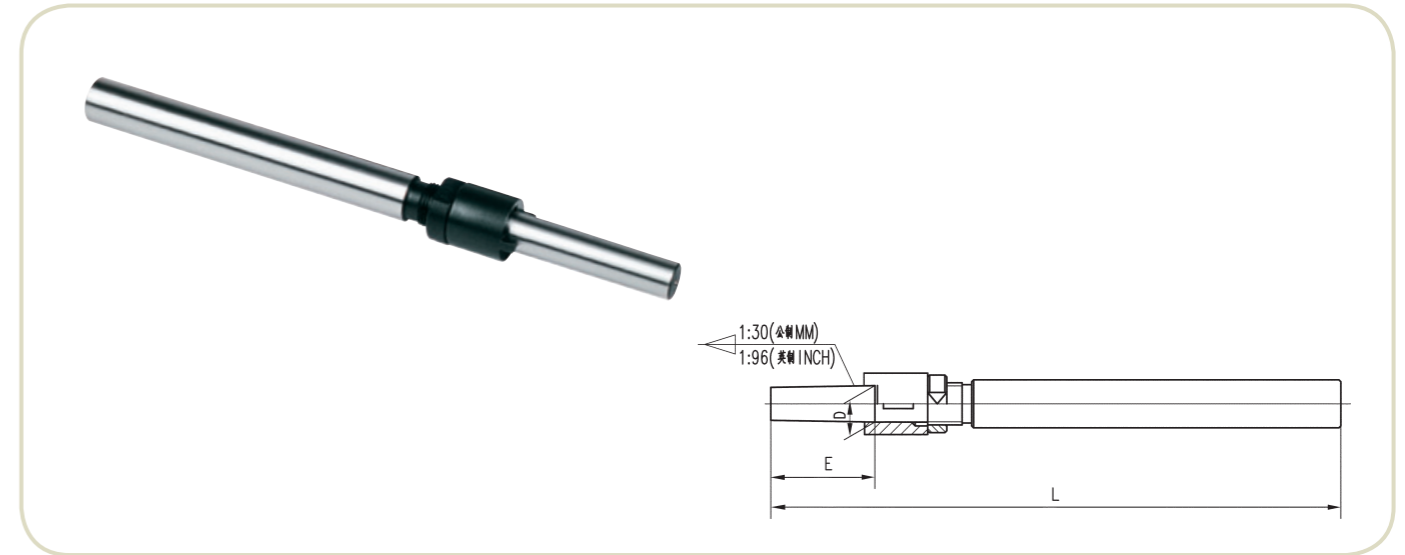
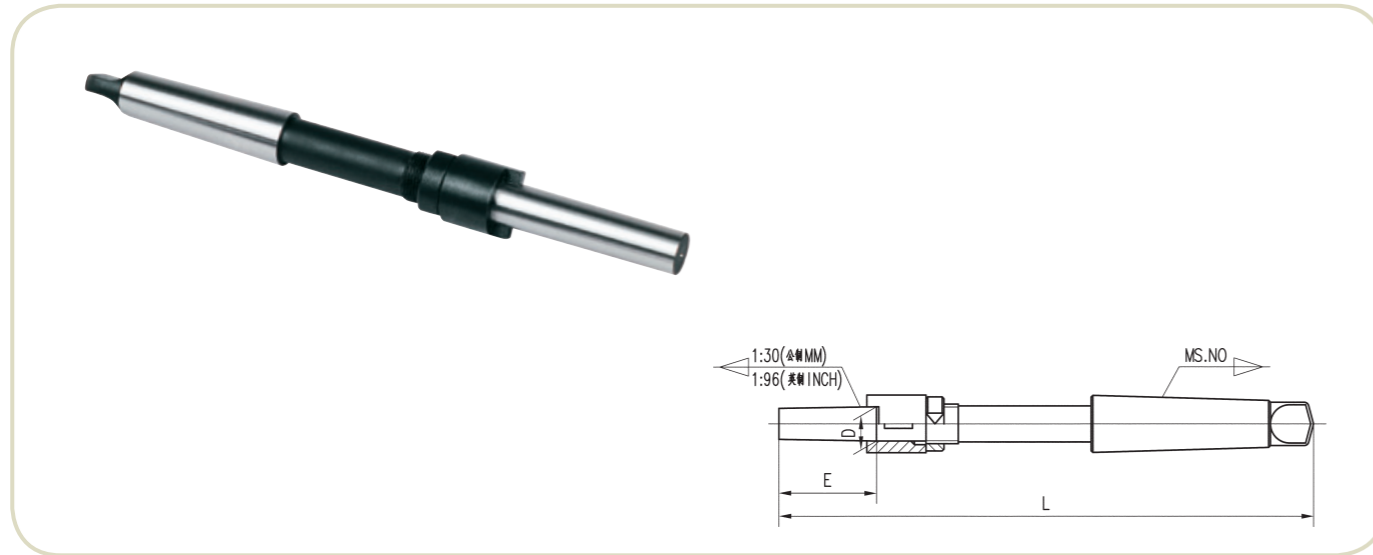


| DRIVE RING | SPANNER    | SCREW      | Dia of arbors |
|------------|------------|------------|---------------|
| SK-00206-1 | SK-00208-1 | SK-00210-1 | 13            |
| SK-00206-2 | SK-00208-2 | SK-00210-2 | 16            |
| SK-00206-3 | SK-00208-3 | SK-00210-3 | 22            |
| SK-00206-4 | SK-00208-4 | SK-00210-4 | 27            |
| SK-00206-5 | SK-00208-5 | SK-00210-5 | 32            |
| SK-00206-6 | SK-00208-6 | SK-00210-6 | 40            |
| SK-00206-7 | SK-00208-7 | SK-00210-7 | 50            |
| SK-00206-8 | SK-00208-8 | SK-00210-8 | 25.4          |



RH-00368 JK MORSE TAPER SHANK SHELL REAMER ARBORS WITH JK TYPE

RH-00370 JK STRAIGHT SHANK SHELL REAMER ARBORS WITH JK TYPE



INCH

| Order No. | MS.NO | D     | E     | Fits shell reamer | L     |
|-----------|-------|-------|-------|-------------------|-------|
| JK2×3/8   | MS2   | 3/8   | 2-1/4 | 21/32~25/32       | 9     |
| JK2×1/2   |       | 1/2   | 2-1/2 | 13/16~1-1/32      | 9-1/2 |
| JK3×5/8   | MS3   | 5/8   | 2-3/4 | 1-1/16~1-9/32     | 10    |
| JK3×3/4   |       | 3/4   | 3     | 1-5/16~1-5/8      | 11    |
| JK4×1     | MS4   | 1     | 3-1/2 | 1-11/16~2         | 12    |
| JK4×1-1/4 |       | 1-1/4 | 3-3/4 | 2-1-16~2-1/2      | 13    |
| JK5×1-1/2 | MS5   | 1-1/2 | 4     | 2-9/16~3          | 14    |
| JK5×1-3/4 |       | 1-3/4 | 4-1/2 | 3-1/16~3-1/2      | 15    |
| JK5×2     |       | 2     | 5     | 3-9/16~4          | 16    |

INCH

| Order No.     | Shank dia | D     | E     | Fits shell reamer | L     |
|---------------|-----------|-------|-------|-------------------|-------|
| JK1/2×3/8     | 1/2       | 3/8   | 2-1/4 | 21/32~25/32       | 9     |
| JK5/8×1/2     | 5/8       | 1/2   | 2-1/2 | 13/16~1-1/32      | 9-1/2 |
| JK3/4×5/8     | 3/4       | 5/8   | 2-3/4 | 1-1/16~1-9/32     | 10    |
| JK7/8×3/4     | 7/8       | 3/4   | 3     | 1-5/16~1-5/8      | 11    |
| JK1-1/8×1     | 1-1/8     | 1     | 3-1/2 | 1-11/16~2         | 12    |
| JK1-3/8×1-1/4 | 1-3/8     | 1-1/4 | 3-3/4 | 2-1-16~2-1/2      | 13    |
| JK1-5/8×1-1/2 | 1-5/8     | 1-1/2 | 4     | 2-9/16~3          | 14    |
| JK2×1-3/4     | 2         | 1-3/4 | 4-1/2 | 3-1/16~3-1/2      | 15    |
| JK2-1/8×2     | 2-1/8     | 2     | 5     | 3-9/16~4          | 16    |

MM

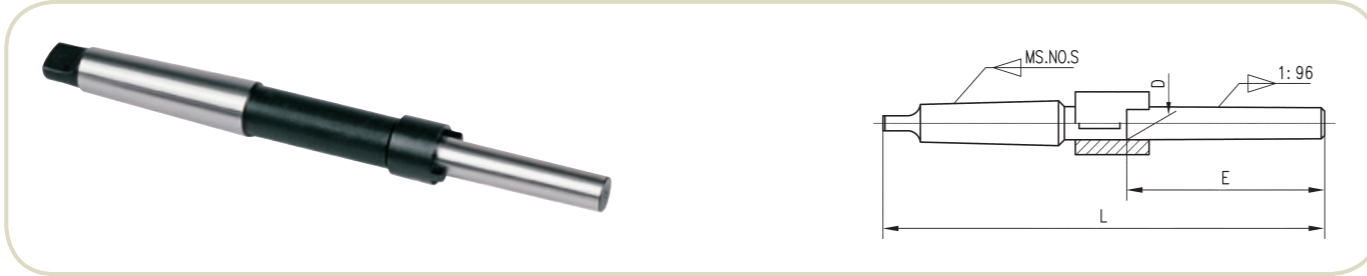
| Order No. | MS.NO | D  | E    | Fits shell reamer | L   |
|-----------|-------|----|------|-------------------|-----|
| JK3×13    | MS3   | 13 | 43.8 | 23.6~35.5         | 250 |
| JK3×16    |       | 16 | 48.8 | 30~45             | 261 |
| JK4×19    | MS4   | 19 | 54.4 | 35.5~53           | 298 |
| JK4×22    |       | 22 | 61.4 | 42.5~63           | 312 |
| JK5×27    | MS5   | 27 | 69.4 | 50.8~75           | 359 |
| JK5×32    |       | 32 | 78   | 60~90             | 376 |
| JK5×40    |       | 40 | 88   | 71~101.6          | 396 |
| JK5×50    |       | 50 | 97.5 | 85~101.6          | 416 |

MM

| Order No. | Shank dia | D  | E    | Fits shell reamer | L   |
|-----------|-----------|----|------|-------------------|-----|
| JK16×13   | 16        | 13 | 43.8 | 23.6~35.5         | 250 |
| JK20×16   | 20        | 16 | 48.8 | 30~45             | 261 |
| JK25×19   | 25        | 19 | 54.4 | 35.5~53           | 298 |
| JK30×22   | 30        | 22 | 61.4 | 42.5~63           | 312 |
| JK35×27   | 35        | 27 | 69.4 | 50.8~75           | 359 |
| JK40×32   | 40        | 32 | 78   | 60~90             | 376 |
| JK43×40   | 43        | 40 | 88   | 71~101.6          | 396 |
| JK48×50   | 48        | 50 | 97.5 | 85~101.6          | 416 |

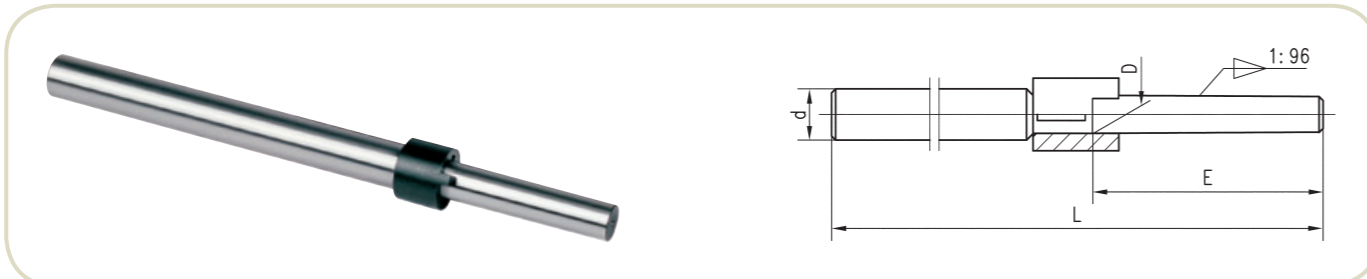


## RH-00372 SR MORSE TAPER SHANK SHELL REAMER ARBORS



| Order No. | MS.NO | D in  | E in  | Fits shell reamer(in) | L in  |
|-----------|-------|-------|-------|-----------------------|-------|
| SR2×3/8   | MS2   | 3/8   | 2-1/4 | 21/32~25/32           | 9     |
| SR2×1/2   | MS2   | 1/2   | 2-1/2 | 13/16~1-1/32          | 9-1/2 |
| SR3×5/8   | MS3   | 5/8   | 2-3/4 | 1-1/16~1-9/32         | 10    |
| SR3×3/4   | MS3   | 3/4   | 3     | 1-5/16~1-5/8          | 11    |
| SR4×1     | MS4   | 1     | 3-1/2 | 1-11/16~2             | 12    |
| SR4×1-1/4 | MS4   | 1-1/4 | 3-3/4 | 2-1/16~2-1/2          | 13    |
| SR5×1-1/2 | MS5   | 1-1/2 | 4     | 2-9/16~3              | 14    |
| SR5×1-3/4 | MS5   | 1-3/4 | 4-1/2 | 3-1/16~3-1/2          | 15    |
| SR5×2     | MS5   | 2     | 5     | 3-9/16~4              | 16    |

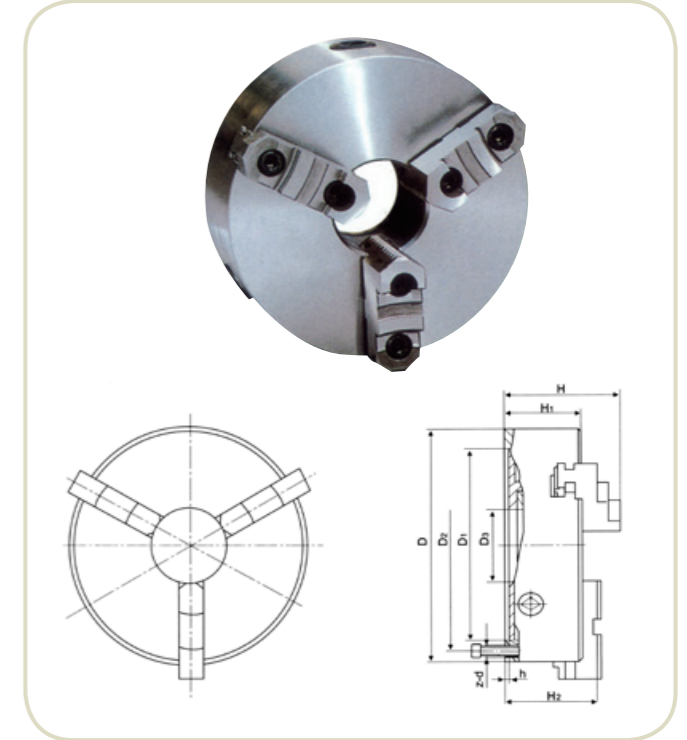
## RH-00374 SR STRAIGHT SHANK SHELL REAMER ARBORS



| Order No.     | d in  | D in  | E in  | Fits shell reamer(in) | L in  |
|---------------|-------|-------|-------|-----------------------|-------|
| SR1/2×3/8     | 1/2   | 3/8   | 2-1/4 | 21/32~25/32           | 9     |
| SR5/8×1/2     | 5/8   | 1/2   | 2-1/2 | 13/16~1-1/32          | 9-1/2 |
| SR3/4×5/8     | 3/4   | 5/8   | 2-3/4 | 1-1/16~1-9/32         | 10    |
| SR7/8×3/4     | 7/8   | 3/4   | 3     | 1-5/16~1-5/8          | 11    |
| SR1-1/8×1     | 1-1/8 | 1     | 3-1/2 | 1-11/16~2             | 12    |
| SR1-3/8×1-1/4 | 1-3/8 | 1-1/4 | 3-3/4 | 2-1/16~2-1/2          | 13    |
| SR1-5/8×1-1/2 | 1-5/8 | 1-1/2 | 4     | 2-9/16~3              | 14    |
| SR2×1-3/4     | 2     | 1-3/4 | 4-1/2 | 3-1/16~3-1/2          | 15    |
| SR2-1/8×2     | 2-1/8 | 2     | 5     | 3-9/16~4              | 16    |

## RH-003750 K11 3-JAW SELF-CENTRING CHUCKS

Short cylindrical center mounting.  
 Model k11 chucks are provided with one-piece jaws(which include a set of internal jaws and a set of external ones).  
 The jaws for k11A, k11C and k11D, K11E chucks are composed of two-piece jaws.They can perform as either internal or external jaws through adjustment.  
 The jaws for K11A and K11D, K11E chucks conform to ISO3442 standard.  
 Model K11C chucks are supplied with traditional two-piece jaws.  
 We can provide all kinds of soft jaws.  
 As requested,we can provide chucks mounted from front.



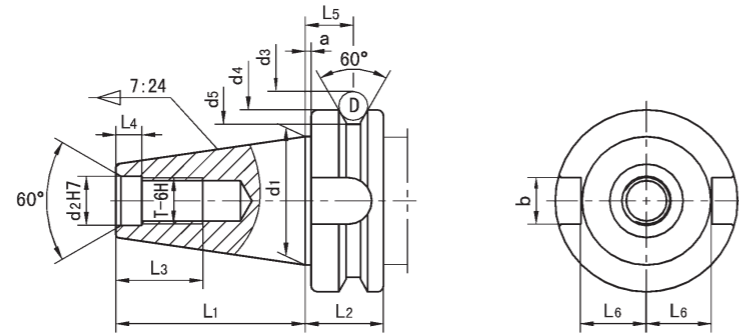
### Main specifications

| Order No. | D <sub>1</sub> | D <sub>2</sub> | D <sub>3</sub> | H     | H <sub>1</sub> | H <sub>2</sub> | h   | z-d   | Max. input torque Nm | Max. speed r/min | Net WT. Kg |
|-----------|----------------|----------------|----------------|-------|----------------|----------------|-----|-------|----------------------|------------------|------------|
| 80        | 55             | 66             | 16             | 66    | 50             | —              | 3.5 | 3-M6  | 40                   | 4000             | 1.9        |
| 100       | 72             | 84             | 22             | 74.5  | 55             | —              | 3.5 | 3-M8  | 60                   | 3500             | 3.2        |
| 125       | 95             | 108            | 30             | 84    | 58             | —              | 4   | 3-M8  | 100                  | 3000             | 5          |
| 130       | 100            | 115            | 30             | 86    | 60             | —              | 3.5 | 3-M8  | 100                  | 3000             | 5.6        |
| 160       | 130            | 142            | 40             | 95    | 65             | —              | 5   | 3-M8  | 160                  | 2500             | 8.8        |
| 160A      | 130            | 142            | 40             | 109   | 65             | 71             | 5   | 3-M8  | 160                  | 2500             | 8.3        |
| 200       | 165            | 180            | 65             | 109   | 75             | —              | 5   | 3-M10 | 250                  | 2000             | 15.5       |
| 200C      | 165            | 180            | 65             | 122   | 75             | 78             | 5   | 3-M10 | 250                  | 2000             | 14.1       |
| 200A      | 165            | 180            | 65             | 122   | 75             | 80             | 5   | 3-M10 | 250                  | 2000             | 14.1       |
| 240       | 195            | 215            | 70             | 120   | 80             | —              | 8   | 3-M12 | 320                  | 1600             | 24         |
| 240C      | 195            | 215            | 70             | 130   | 80             | 84             | 8   | 3-M12 | 320                  | 1600             | 20         |
| 250       | 206            | 226            | 80             | 120   | 80             | —              | 5   | 3-M12 | 320                  | 1600             | 25.7       |
| 250C      | 206            | 226            | 80             | 130   | 80             | 84             | 5   | 3-M12 | 320                  | 1600             | 23         |
| 250A      | 206            | 226            | 80             | 136   | 80             | 86             | 5   | 3-M12 | 320                  | 1600             | 23         |
| 315       | 260            | 226            | 100            | 147   | 90             | —              | 6   | 3-M12 | 400                  | 1200             | 47         |
| 315A      | 260            | 285            | 100            | 153   | 90             | 95             | 6   | 3-M16 | 400                  | 1200             | 41         |
| 320       | 270            | 285            | 100            | 152.5 | 95             | —              | 11  | 3-M16 | 400                  | 1200             | 47.5       |
| 320C      | 270            | 290            | 100            | 153.5 | 95             | 101.5          | 11  | 3-M16 | 400                  | 1200             | 42         |
| 325       | 272            | 290            | 100            | 153.5 | 96             | —              | 12  | 3-M16 | 400                  | 1200             | 49         |
| 325C      | 272            | 296            | 100            | 154.5 | 96             | 102.5          | 12  | 3-M16 | 400                  | 1200             | 44         |
| 325A      | 272            | 296            | 100            | 169.5 | 96             | 105.5          | 12  | 3-M16 | 400                  | 1200             | 46         |
| 380       | 325            | 296            | 135            | 155.7 | 98             | —              | 6   | 3-M16 | 500                  | 1000             | 65         |
| 380C      | 325            | 350            | 135            | 156.5 | 98             | 104.5          | 6   | 3-M16 | 500                  | 1000             | 60         |
| 380A      | 325            | 350            | 135            | 171.5 | 98             | 107.5          | 6   | 3-M16 | 500                  | 1000             | 62         |
| 400D      | 340            | 350            | 130            | 172   | 100            | 108            | 6   | 3-M16 | 500                  | 1000             | 71         |
| 500D      | 440            | 368            | 210            | 202   | 115            | 126            | 6   | 3-M16 | 630                  | 800              | 117.6      |
| 500A      | 440            | 465            | 210            | 202   | 115            | 126            | 6   | 3-M16 | 630                  | 800              | 119        |

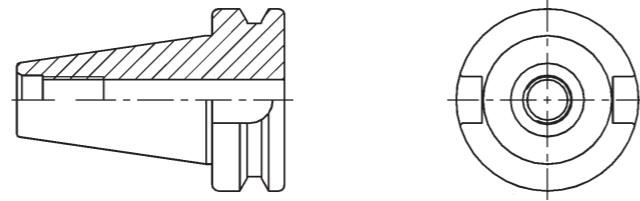


## JIS B6339 BT

A: Without through hole

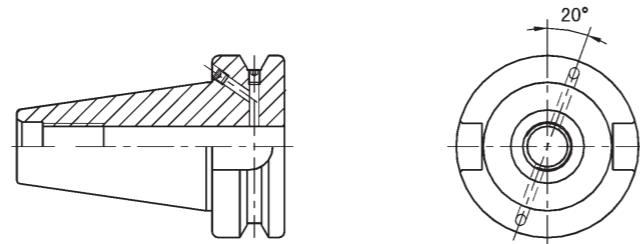


AD: Without through hole for center coolant



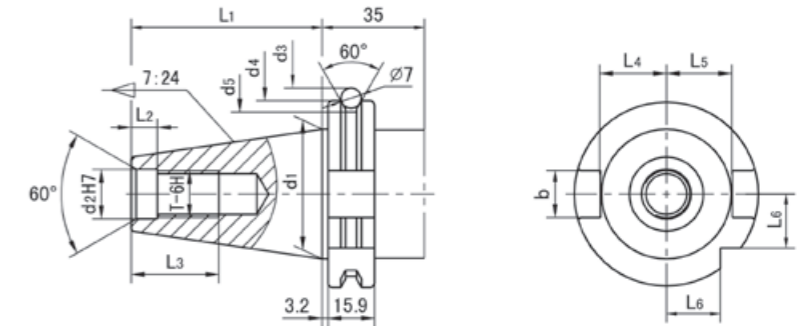
AD/B:

Form AD and form B, the former is in the center cold, the latter is in the flange plate cold, may realize central cooling and the side cools two forms the freedoms to transform



## DIN69871

DIN69871 A: Without through hole

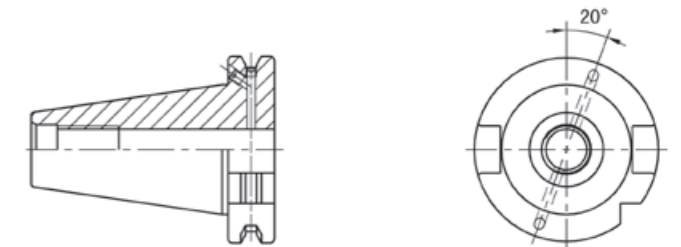


DIN69871 AD: Without through hole for center coolant



DIN69871 AD/B:

DIN 69871 AD and DIN 69871 B, the former is in the center cold, the latter is in the flange plate cold, may realize central cooling and the side cools two forms the freedoms to transform

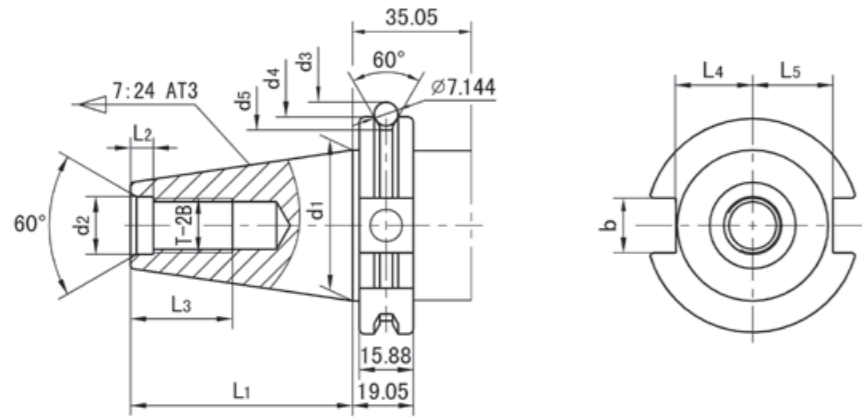


| SIZE | BT30   | BT40   | BT45    | BT50    |
|------|--------|--------|---------|---------|
| d1   | 31.75  | 44.45  | 57.15   | 69.85   |
| d2   | 12.5   | 17     | 21      | 25      |
| d3   | 56.144 | 75.679 | 100.215 | 119.019 |
| d4   | 46     | 63     | 85      | 100     |
| d5   | 38     | 53     | 73      | 85      |
| D    | 8      | 10     | 12      | 15      |
| L1   | 48.4   | 65.4   | 82.8    | 101.8   |
| L2   | 22     | 27     | 33      | 38      |
| L3   | 24     | 30     | 38      | 45      |
| L4   | 7      | 9      | 11      | 13      |
| L5   | 13.6   | 16.6   | 21.2    | 23.2    |
| L6   | 16.3   | 22.6   | 29.1    | 35.4    |
| a    | 2      | 2      | 3       | 3       |
| b    | 16.1   | 16.1   | 19.3    | 25.7    |
| T    | M12    | M16    | M20     | M24     |

| SIZE | DIN69871 30 | DIN69871 40 | DIN69871 45 | DIN69871 50 |
|------|-------------|-------------|-------------|-------------|
| d1   | 31.75       | 44.45       | 57.15       | 69.85       |
| d2   | 13          | 17          | 21          | 25          |
| d3   | 59.3        | 72.3        | 91.35       | 107.25      |
| d4   | 50          | 63.55       | 82.55       | 97.5        |
| d5   | 44.3        | 56.25       | 75.25       | 91.25       |
| L1   | 47.8        | 68.4        | 82.7        | 101.75      |
| L2   | 5.5         | 8.2         | 10          | 11.5        |
| L3   | 24          | 32          | 40          | 47          |
| L4   | 16.4        | 22.8        | 29.1        | 35.5        |
| L5   | 19          | 25          | 31.3        | 37.7        |
| L6   | 15          | 18.5        | 24          | 30          |
| b    | 16.1        | 16.1        | 19.3        | 25.7        |
| T    | M12         | M16         | M20         | M24         |

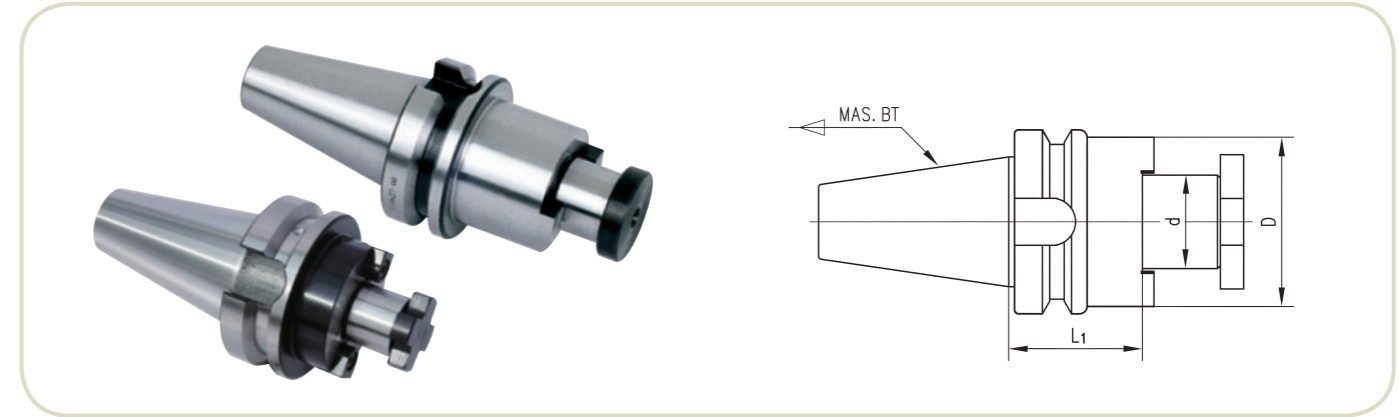


## ANSI B5.50 CT



| SIZE |    | CT30     | CT40     | CT45     | CT50   |
|------|----|----------|----------|----------|--------|
| d1   | mm | 31.75    | 44.45    | 57.15    | 69.85  |
|      | in | 1.25     | 1.75     | 2.25     | 2.75   |
| d2   | mm | 13.11    | 16.28    | 19.46    | 26.19  |
|      | in | 0.516    | 0.641    | 0.766    | 1.031  |
| d3   | mm | 55.27    | 72.72    | 91.77    | 107.65 |
|      | in | 2.176    | 2.863    | 3.613    | 4.238  |
| d4   | mm | 46.025   | 63.5     | 82.55    | 98.425 |
|      | in | 1.812    | 2.500    | 3.250    | 3.875  |
| d5   | mm | 38.89    | 56.36    | 75.41    | 91.29  |
|      | in | 1.531    | 2.219    | 2.969    | 3.594  |
| L1   | mm | 47.625   | 68.25    | 82.55    | 101.6  |
|      | in | 1.875    | 2.687    | 3.250    | 4.000  |
| L2   | mm | 4.78     | 4.78     | 4.78     | 6.35   |
|      | in | 0.188    | 0.188    | 0.188    | 0.250  |
| L3   | mm | 25.40    | 28.45    | 38.1     | 44.45  |
|      | in | 1.00     | 1.12     | 1.50     | 1.75   |
| L4   | mm | 16.26    | 22.61    | 28.96    | 35.31  |
|      | in | 0.640    | 0.890    | 1.140    | 1.390  |
| L5   | mm | 18.67    | 25.02    | 31.37    | 37.72  |
|      | in | 0.735    | 0.985    | 1.235    | 1.485  |
| b    | mm | 16.38    | 16.38    | 19.56    | 25.91  |
|      | in | 0.645    | 0.645    | 0.770    | 1.020  |
| T    |    | 1/2" -13 | 5/8" -11 | 3/4" -10 | 1" -8  |

## RH-00380 BT SHELL MILL ARBORS



| Order No.<br>BTXd-L1 | D  | Wt(kg) | Order No.<br>BTXd-L1 | D  | Wt(kg) |
|----------------------|----|--------|----------------------|----|--------|
| BT30×16-60           | 32 | 1.0    | BT40×40-75           | 70 | 2.2    |
| BT30×22-60           | 40 | 1.3    | BT40×50-70           | 90 | 2.5    |
| BT30×27-60           | 48 | 1.5    | BT50×16-60           | 32 | 3.6    |
| BT30×32-60           | 58 | 1.8    | BT50×16-75           | 32 | 3.9    |
| BT30×40-60           | 70 | 2.2    | BT50×16-120          | 32 | 4.3    |
| BT40×16-45           | 32 | 1.0    | BT50×22-60           | 40 | 5.0    |
| BT40×16-60           | 32 | 1.3    | BT50×22-75           | 40 | 4.0    |
| BT40×16-120          | 32 | 1.7    | BT50×22-100          | 40 | 4.5    |
| BT40×22-45           | 40 | 1.5    | BT50×22-120          | 40 | 5.0    |
| BT40×22-60           | 40 | 1.7    | BT50×27-60           | 48 | 5.5    |
| BT40×22-100          | 40 | 3.0    | BT50×27-105          | 48 | 4.0    |
| BT40×22-120          | 40 | 3.6    | BT50×32-60           | 58 | 4.5    |
| BT40×27-45           | 48 | 1.5    | BT50×32-75           | 58 | 1.6    |
| BT40×27-60           | 48 | 1.6    | BT50×32-105          | 58 | 1.8    |
| BT40×27-75           | 48 | 1.8    | BT50×40-60           | 70 | 2.2    |
| BT40×27-105          | 48 | 2.1    | BT50×40-75           | 70 | 3.6    |
| BT40×27-120          | 48 | 2.3    | BT50×40-90           | 70 | 3.7    |
| BT40×32-45           | 58 | 1.2    | BT50×40-100          | 70 | 3.75   |
| BT40×32-60           | 58 | 1.5    | BT50×40-105          | 70 | 3.8    |
| BT40×32-75           | 58 | 1.8    | BT50×50-60           | 90 | 4.0    |
| BT40×32-120          | 58 | 2.8    | BT50×50-70           | 90 | 4.2    |
| BT40×40-60           | 70 | 2.0    | BT50×50-120          | 90 | 4.4    |

1. When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
2. According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.





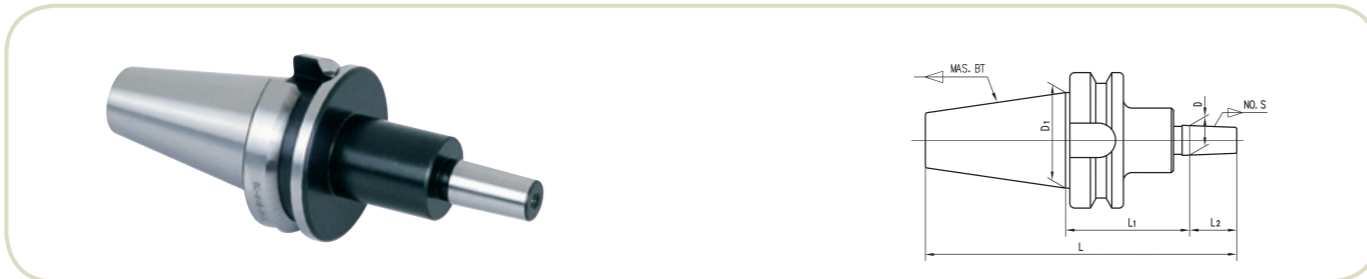
## RH-00380 DIN SHELL MILL ARBORS



| Order No.<br>DIN69871.AXd-L <sub>1</sub> | D  | Wt(kg) | 订单号 Order No.<br>DIN69871.AXd-L <sub>1</sub> | D  | Wt(kg) |
|--|----|--------|--|----|--------|
| DIN69871.A30×16-60                       | 32 | 1.0    | DIN69871.A40×27-75                           | 48 | 1.6    |
| DIN69871.A30×22-60                       | 40 | 1.3    | DIN69871.A40×32-60                           | 58 | 4.5    |
| DIN69871.A30×27-60                       | 48 | 1.5    | DIN69871.A40×40-60                           | 70 | 4.8    |
| DIN69871.A30×32-60                       | 58 | 1.8    | DIN69871.A50×16-60                           | 32 | 3.8    |
| DIN69871.A30×40-60                       | 70 | 2.2    | DIN69871.A50×22-60                           | 40 | 4.0    |
| DIN69871.A40×16-60                       | 32 | 1.2    | DIN69871.A50×27-60                           | 48 | 4.2    |
| DIN69871.A40×22-60                       | 40 | 1.3    | DIN69871.A50×32-60                           | 58 | 4.5    |
| DIN69871.A40×27-60                       | 48 | 1.4    | DIN69871.A50×40-60                           | 70 | 4.8    |

1. When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
2. According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

## RH-00382 BT DRILL CHUCK ARBORS



| Order No.<br>BT-NO.S-L <sub>1</sub> | L <sub>2</sub> | L     | D      | D <sub>1</sub> | Drawbar thread | Wt(kg) |
|-------------------------------------|----------------|-------|--------|----------------|----------------|--------|
| BT30-J1-45                          | 16.669         | 110   | 9.754  | 31.75          | M12            | 0.60   |
| BT30-J2-45                          | 22.225         | 115.6 | 14.199 | 31.75          | M12            | 0.70   |
| BT30-J3-45                          | 30.956         | 124.4 | 20.599 | 31.75          | M12            | 0.80   |
| BT30-J4-45                          | 42.069         | 135.4 | 28.550 | 31.75          | M12            | 0.85   |
| BT30-J5-45                          | 47.625         | 141   | 35.890 | 31.75          | M12            | 0.90   |
| BT30-J6-45                          | 25.4           | 118.8 | 17.170 | 31.75          | M12            | 0.75   |

## RH-00382 BT DRILL CHUCK ARBORS

| Order No.<br>BT-NO.S-L <sub>1</sub> | L <sub>2</sub> | L     | D      | D <sub>1</sub> | Drawbar thread | Wt(kg) |
|-------------------------------------|----------------|-------|--------|----------------|----------------|--------|
| BT30-J33-45                         | 25.4           | 118.8 | 15.850 | 31.75          | M12            | 0.75   |
| BT30-B10-45                         | 14.5           | 107.9 | 10.094 | 31.75          | M12            | 0.60   |
| BT30-B12-45                         | 18.5           | 111.9 | 12.065 | 31.75          | M12            | 0.60   |
| BT30-B16-45                         | 24             | 117.4 | 15.733 | 31.75          | M12            | 0.70   |
| BT30-B18-45                         | 32             | 125.4 | 17.780 | 31.75          | M12            | 0.82   |
| BT40-J1-45                          | 16.669         | 127.1 | 9.754  | 44.45          | M16            | 1.15   |
| BT40-J2-45                          | 22.225         | 132.6 | 14.199 | 44.45          | M16            | 1.25   |
| BT40-J2S-45                         | 19.05          | 129.4 | 13.940 | 44.45          | M16            | 1.20   |
| BT40-J3-45                          | 30.956         | 141.4 | 20.599 | 44.45          | M16            | 1.45   |
| BT40-J4-45                          | 42.069         | 152.5 | 28.550 | 44.45          | M16            | 1.55   |
| BT40-J5-45                          | 47.625         | 158   | 35.890 | 44.45          | M16            | 1.60   |
| BT40-J6-45                          | 25.4           | 135.8 | 17.170 | 44.45          | M16            | 1.30   |
| BT40-J33-45                         | 25.4           | 135.8 | 15.850 | 44.45          | M16            | 1.30   |
| BT40-B10-45                         | 14.5           | 124.9 | 10.094 | 44.45          | M16            | 1.40   |
| BT40-B10-120                        | 14.5           | 199.9 | 10.094 | 44.45          | M16            | 1.76   |
| BT40-B12-45                         | 18.5           | 128.9 | 12.065 | 44.45          | M16            | 1.34   |
| BT40-B16-32                         | 24             | 121.4 | 15.733 | 44.45          | M16            | 1.40   |
| BT40-B16-45                         | 24             | 134.4 | 15.733 | 44.45          | M16            | 1.45   |
| BT40-B16-75                         | 24             | 164.4 | 15.733 | 44.45          | M16            | 1.55   |
| BT40-B16-90                         | 24             | 179.4 | 15.733 | 44.45          | M16            | 1.40   |
| BT40-B18-45                         | 32             | 142.4 | 17.780 | 44.45          | M16            | 1.70   |
| BT40-B18-75                         | 32             | 172.4 | 17.780 | 44.45          | M16            | 1.76   |
| BT50-J1-45                          | 16.669         | 163.5 | 9.754  | 69.85          | M24            | 3.60   |
| BT50-J2-45                          | 22.225         | 169   | 14.199 | 69.85          | M24            | 3.95   |
| BT50-J2S-45                         | 19.05          | 165.9 | 13.940 | 69.85          | M24            | 3.90   |
| BT50-J3-45                          | 30.956         | 177.8 | 20.599 | 69.85          | M24            | 3.70   |
| BT50-J4-45                          | 42.069         | 188.9 | 28.550 | 69.85          | M24            | 3.75   |
| BT50-J5-45                          | 47.625         | 194.4 | 35.890 | 69.85          | M24            | 3.80   |
| BT50-J6-45                          | 25.4           | 172.2 | 17.170 | 69.85          | M24            | 4.00   |
| BT50-J33-45                         | 25.4           | 172.2 | 15.850 | 69.85          | M24            | 4.00   |
| BT50-B10-45                         | 14.5           | 161.3 | 10.094 | 69.85          | M24            | 3.60   |
| BT50-B12-45                         | 18.5           | 165.3 | 12.065 | 69.85          | M24            | 3.60   |
| BT50-B16-75                         | 24             | 200.8 | 15.733 | 69.85          | M24            | 3.74   |
| BT50-B16-90                         | 24             | 215.8 | 15.733 | 69.85          | M24            | 3.78   |
| BT50-B18-45                         | 32             | 178.8 | 17.780 | 69.85          | M24            | 3.70   |

According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.



## RH-00382 DIN DRILL CHUCK ARBORS



mm

| Order No.<br>DIN69871.A-NO.S-L1 | L2     | L      | D      | D1    | Drawbar thread |
|---------------------------------|--------|--------|--------|-------|----------------|
| DIN69871.A40-J0-32              | 11.112 | 111.5  | 6.35   | 44.45 | M16            |
| DIN69871.A40-J1-32              | 16.669 | 117    | 9.754  | 44.45 | M16            |
| DIN69871.A40-J2-32              | 22.225 | 122.6  | 14.199 | 44.45 | M16            |
| DIN69871.A40-J2S-32             | 19.05  | 119.5  | 13.940 | 44.45 | M16            |
| DIN69871.A40-J3-32              | 30.956 | 131.4  | 20.599 | 44.45 | M16            |
| DIN69871.A40-J4-32              | 42.069 | 142.5  | 28.550 | 44.45 | M16            |
| DIN69871.A40-J5-32              | 47.625 | 148    | 35.890 | 44.45 | M16            |
| DIN69871.A40-J6-32              | 25.4   | 125.8  | 17.170 | 44.45 | M16            |
| DIN69871.A40-J33-32             | 25.4   | 125.8  | 15.850 | 44.45 | M16            |
| DIN69871.A40-B6-32              | 10     | 110.4  | 6.35   | 44.45 | M16            |
| DIN69871.A40-B10-32             | 14.5   | 114.9  | 10.094 | 44.45 | M16            |
| DIN69871.A40-B10-45             | 14.5   | 127.9  | 10.094 | 44.45 | M16            |
| DIN69871.A40-B12-32             | 18.5   | 118.9  | 12.065 | 44.45 | M16            |
| DIN69871.A40-B16-32             | 24     | 124.4  | 15.733 | 44.45 | M16            |
| DIN69871.A40-B16-45             | 24     | 137.4  | 15.733 | 44.45 | M16            |
| DIN69871.A40-B18-32             | 32     | 132.4  | 17.780 | 44.45 | M16            |
| DIN69871.A40-B18-45             | 32     | 145.4  | 17.780 | 44.45 | M16            |
| DIN69871.A40-B22-32             | 40.5   | 140.9  | 21.793 | 44.45 | M16            |
| DIN69871.A40-B24-32             | 50.5   | 150.9  | 23.825 | 44.45 | M16            |
| DIN69871.A50-B16-45             | 24     | 170.75 | 15.733 | 69.85 | M24            |
| DIN69871.A50-J3-45              | 30.965 | 177.7  | 20.599 | 69.85 | M24            |
| DIN69871.A50-J6-45              | 25.4   | 172.1  | 17.170 | 69.85 | M24            |
| DIN69871.A50-J33-45             | 25.4   | 172.1  | 15.850 | 69.85 | M24            |
| DIN69871.A50-B16-45             | 24     | 170.8  | 15.733 | 69.85 | M24            |
| DIN69871.A50-B18-45             | 32     | 178.8  | 17.780 | 69.85 | M24            |
| DIN69871.A50-B22-60             | 40.5   | 202.3  | 21.793 | 69.85 | M24            |
| DIN69871.A50-B24-60             | 50.5   | 212.3  | 23.825 | 69.85 | M24            |

According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

## RH-00382 CT DRILL CHUCK ARBORS



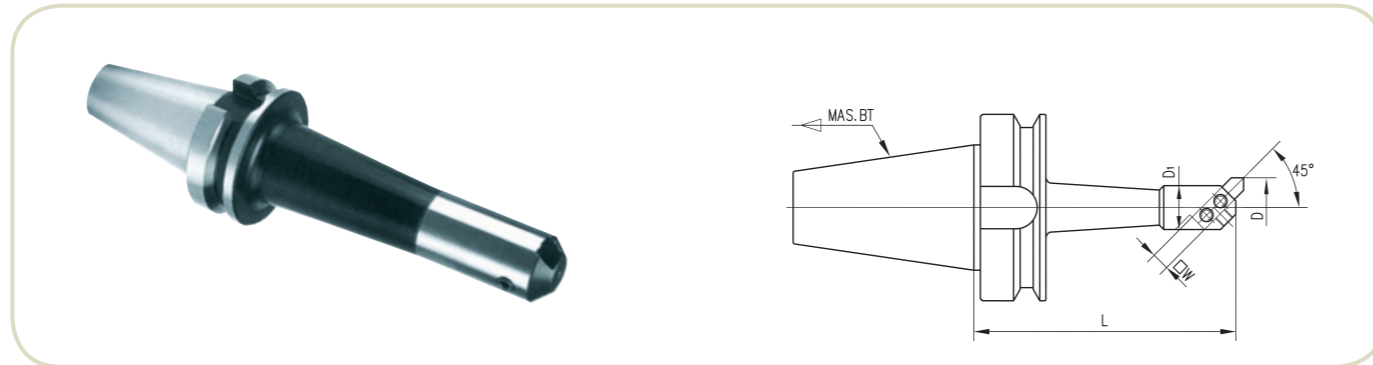
mm

| Order No.<br>CT-NO.S-L1 | L2     | L      | D      | D1    | Drawbar thread |
|-------------------------|--------|--------|--------|-------|----------------|
| CT40-J2-45              | 22.225 | 135.5  | 14.199 | 44.45 | 5/8"-11        |
| CT40-J3-45              | 30.956 | 144.2  | 20.599 | 44.45 | 5/8"-11        |
| CT40-J4-45              | 42.069 | 155.3  | 28.55  | 44.45 | 5/8"-11        |
| CT40-J6-45              | 25.4   | 138.65 | 17.17  | 44.45 | 5/8"-11        |
| CT40-J33-45             | 25.4   | 138.65 | 15.85  | 44.45 | 5/8"-11        |
| CT40-B16-45             | 24     | 137.25 | 15.733 | 44.45 | 5/8"-11        |
| CT40-B18-45             | 32     | 145.25 | 17.780 | 44.45 | 5/8"-11        |
| CT45-J3-45              | 30.956 | 158.5  | 20.599 | 57.15 | 3/4"-10        |
| CT45-J6-45              | 25.4   | 153    | 17.17  | 57.15 | 3/4"-10        |
| CT45-J33-45             | 25.4   | 153    | 15.85  | 57.15 | 3/4"-10        |
| CT45-B10-45             | 14.5   | 142    | 10.094 | 57.15 | 3/4"-10        |
| CT45-B12-45             | 18.5   | 146    | 12.065 | 57.15 | 3/4"-10        |
| CT45-B16-32             | 24     | 138.6  | 15.733 | 57.15 | 3/4"-10        |
| CT45-B16-45             | 24     | 151.6  | 15.733 | 57.15 | 3/4"-10        |
| CT45-B18-45             | 32     | 159.6  | 17.780 | 57.15 | 3/4"-10        |
| CT50-J2-45              | 22.225 | 168.85 | 14.199 | 69.85 | 1"-8           |
| CT50-J3-45              | 30.956 | 177.56 | 20.599 | 69.85 | 1"-8           |
| CT50-J4-45              | 42.069 | 188.67 | 28.55  | 69.85 | 1"-8           |
| CT50-J5-45              | 47.625 | 194.23 | 35.89  | 69.85 | 1"-8           |
| CT50-J6-45              | 25.4   | 172    | 17.17  | 69.85 | 1"-8           |
| CT50-J33-45             | 25.4   | 172    | 15.85  | 69.85 | 1"-8           |
| CT50-B10-45             | 14.5   | 161.1  | 10.094 | 69.85 | 1"-8           |
| CT50-B12-45             | 18.5   | 165.1  | 12.065 | 69.85 | 1"-8           |
| CT50-B16-60             | 24     | 185.6  | 15.773 | 69.85 | 1"-8           |
| CT50-B18-60             | 32     | 193.6  | 17.780 | 69.85 | 1"-8           |
| CT50-B22-60             | 40.5   | 202.1  | 21.793 | 69.85 | 1"-8           |
| CT50-B24-60             | 50.5   | 212.1  | 23.825 | 69.85 | 1"-8           |

According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.



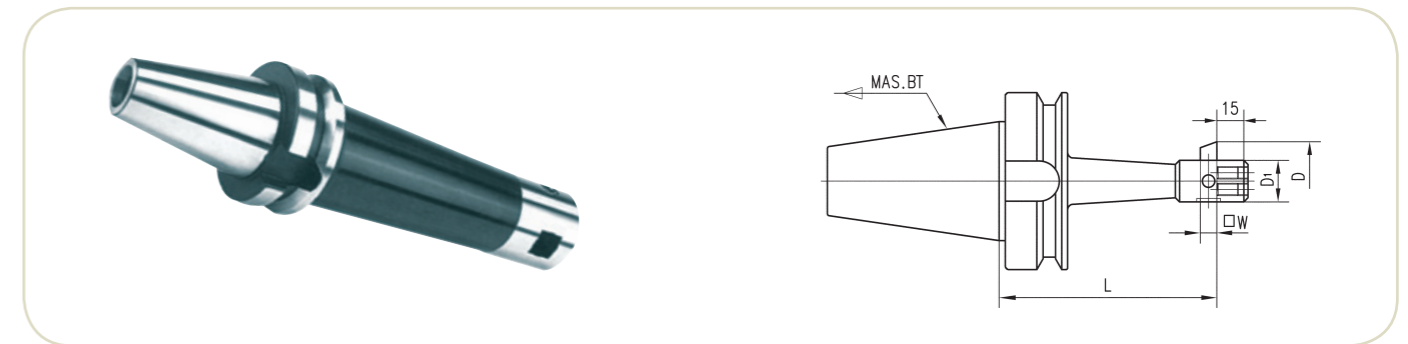
## RH-003852 ANGULAR MOUNTING SQUARE BITE BORING ARBORS



mm

| Order No.      | D   |     | D1 | L   | W  | Type of square cutter |
|----------------|-----|-----|----|-----|----|-----------------------|
|                | min | max |    |     |    |                       |
| BT40-TQC25-150 | 25  | 38  | 20 | 150 | 8  | F8-45-32              |
| BT40-TQC30-150 | 30  | 42  | 24 | 150 | 8  | F8-45-36              |
| BT40-TQC38-150 | 38  | 52  | 30 | 150 | 10 | F10-45-48             |
| BT40-TQC42-150 | 42  | 56  | 34 | 150 | 10 | F10-45-52             |
| BT40-TQC50-150 | 50  | 65  | 40 | 150 | 13 | F13-45-62             |
| BT40-TQC62-150 | 62  | 90  | 50 | 150 | 16 | F16-45-80             |
| BT40-TQC72-150 | 72  | 110 | 60 | 150 | 19 | F19-45-92             |
| BT45-TQC25-180 | 25  | 38  | 20 | 180 | 8  | F8-45-32              |
| BT45-TQC30-180 | 30  | 42  | 24 | 180 | 8  | F8-45-36              |
| BT45-TQC38-200 | 38  | 52  | 30 | 200 | 10 | F10-45-48             |
| BT45-TQC42-200 | 42  | 56  | 34 | 200 | 10 | F10-45-52             |
| BT45-TQC50-200 | 50  | 65  | 40 | 200 | 13 | F13-45-62             |
| BT45-TQC50-230 | 50  | 65  | 40 | 230 | 13 | F13-45-62             |
| BT45-TQC62-200 | 62  | 90  | 50 | 200 | 16 | F16-45-80             |
| BT45-TQC62-270 | 62  | 90  | 50 | 270 | 16 | F16-45-80             |
| BT45-TQC72-200 | 72  | 110 | 60 | 200 | 19 | F19-45-92             |
| BT45-TQC72-270 | 72  | 110 | 60 | 270 | 19 | F19-45-92             |
| BT45-TQC72-250 | 72  | 110 | 60 | 250 | 19 | F19-45-92             |
| BT45-TQC90-200 | 90  | 125 | 75 | 200 | 19 | F19-45-118            |
| BT45-TQC90-250 | 90  | 125 | 75 | 250 | 19 | F19-45-118            |
| BT50-TQC25-150 | 25  | 38  | 20 | 150 | 8  | F8-45-32              |
| BT50-TQC30-170 | 30  | 42  | 24 | 170 | 8  | F8-45-36              |
| BT50-TQC38-170 | 38  | 52  | 30 | 170 | 10 | F10-45-48             |
| BT50-TQC42-180 | 42  | 56  | 34 | 180 | 10 | F10-45-48             |
| BT50-TQC50-200 | 50  | 65  | 40 | 200 | 13 | F13-45-62             |
| BT50-TQC62-250 | 62  | 90  | 50 | 250 | 16 | F16-45-80             |
| BT50-TQC72-250 | 72  | 110 | 60 | 250 | 19 | F19-45-92             |
| BT50-TQC90-250 | 90  | 125 | 75 | 250 | 19 | F19-45-118            |

## RH-003850 STRAIGHT MOUNTING SQUARE BITE BORING ARBORS



mm

| Order No.      | D   |     | D1 | L   | W  | Type of square cutter |
|----------------|-----|-----|----|-----|----|-----------------------|
|                | min | max |    |     |    |                       |
| BT45-TZC25-120 | 25  | 40  | 20 | 120 | 8  | F8-82-24              |
| BT45-TZC38-150 | 38  | 60  | 30 | 150 | 10 | F10-82-36             |
| BT45-TZC50-165 | 50  | 70  | 40 | 165 | 13 | F13-82-48             |
| BT45-TZC72-195 | 72  | 100 | 60 | 195 | 19 | F19-82-70             |

## RH-00386 BT END MILL ADAPTERS



mm

| Order No.<br>BT x d-L1 | L     | D  | D1    | L2   | L3 | Wt(kg) |
|------------------------|-------|----|-------|------|----|--------|
| BT30 x 6-50            | 98.4  | 25 | 31.75 | 18   | 25 | 0.66   |
| BT30 x 6-60            | 108.4 | 25 | 31.75 | 18   |    | 0.72   |
| BT30 x 8-60            | 108.4 | 28 | 31.75 | 18   |    | 0.80   |
| BT30 x 10-60           | 108.4 | 35 | 31.75 | 20   |    | 0.83   |
| BT30 x 10-80           | 128.4 | 35 | 31.75 | 20   |    | 0.83   |
| BT30 x 12-60           | 108.4 | 42 | 31.75 | 22.5 |    | 0.88   |
| BT30 x 14-60           | 108.4 | 44 | 31.75 | 22.5 |    | 1.02   |
| BT30 x 16-75           | 123.4 | 48 | 31.75 | 24   |    | 1.04   |
| BT30 x 18-75           | 123.4 | 50 | 31.75 | 24   |    | 1.26   |
| BT30 x 20-75           | 123.4 | 52 | 31.75 | 25   |    | 1.36   |
| BT30 x 25-90           | 138.4 | 65 | 31.75 | 24   |    | 1.50   |



## RH-00386 END MILL ADAPTERS

| Order No.<br>BT × d-L1 | L     | D   | D1    | L2   | L3   | Wt(kg) |      |
|------------------------|-------|-----|-------|------|------|--------|------|
| BT40 × 6-50            | 115.4 | 25  | 44.45 | 18   |      | 0.96   |      |
| BT40 × 6-60            | 125.4 | 25  | 44.45 | 18   |      | 0.98   |      |
| BT40 × 8-50            | 115.4 | 28  | 44.45 | 18   |      | 1.00   |      |
| BT40 × 10-63           | 128.4 | 35  | 44.45 | 20   |      | 1.08   |      |
| BT40 × 12-63           | 128.4 | 42  | 44.45 | 22.5 |      | 1.20   |      |
| BT40 × 14-63           | 128.4 | 44  | 44.45 | 22.5 |      | 1.22   |      |
| BT40 × 16-63           | 128.4 | 48  | 44.45 | 24   |      | 1.24   |      |
| BT40 × 16-70           | 135.4 | 48  | 44.45 | 24   |      | 1.30   |      |
| BT40 × 18-63           | 128.4 | 50  | 44.45 | 24   |      | 1.36   |      |
| BT40 × 20-63           | 128.4 | 52  | 44.45 | 25   |      | 1.36   |      |
| BT40 × 20-70           | 135.4 | 52  | 44.45 | 25   | 2.10 |        |      |
| BT40 × 25-90           | 155.4 | 65  | 44.45 | 24   | 25   | 2.07   |      |
| BT40 × 25-100          | 165.4 | 65  | 44.45 | 24   | 25   | 2.08   |      |
| BT40 × 32-100          | 165.4 | 72  | 44.45 | 24   | 28   | 2.25   |      |
| BT40 × 32-110          | 175.4 | 72  | 44.45 | 24   | 28   | 2.30   |      |
| BT40 × 40-120          | 185.4 | 90  | 44.45 | 30   | 32   | 2.50   |      |
| BT40 × 40-140          | 205.4 | 90  | 44.45 | 30   | 32   | 2.80   |      |
| BT50 × 6-63            | 164.8 | 25  | 69.85 | 18   |      | 3.20   |      |
| BT50 × 8-63            | 164.8 | 28  | 69.85 | 18   |      | 3.23   |      |
| BT50 × 10-63           | 164.8 | 35  | 69.85 | 20   |      | 3.24   |      |
| BT50 × 12-80           | 181.8 | 42  | 69.85 | 22.5 |      | 3.36   |      |
| BT50 × 16-80           | 181.8 | 48  | 69.85 | 24   |      | 3.48   |      |
| BT50 × 20-80           | 181.8 | 52  | 69.85 | 25   |      | 3.52   |      |
| BT50 × 25-100          | 201.8 | 65  | 69.85 | 24   |      | 25     | 4.28 |
| BT50 × 25-105          | 206.8 | 65  | 69.85 | 24   |      | 25     | 4.30 |
| BT50 × 25-150          | 251.8 | 65  | 69.85 | 24   |      | 25     | 4.35 |
| BT50 × 25-200          | 301.8 | 65  | 69.85 | 24   |      | 25     | 4.40 |
| BT50 × 32-100          | 201.8 | 72  | 69.85 | 24   | 28   | 4.44   |      |
| BT50 × 32-105          | 206.8 | 72  | 69.85 | 24   | 28   | 4.56   |      |
| BT50 × 40-115          | 216.8 | 90  | 69.85 | 30   | 32   | 4.58   |      |
| BT50 × 40-120          | 221.8 | 90  | 69.85 | 30   | 32   | 4.58   |      |
| BT50 × 50-150          | 251.8 | 100 | 69.85 | 35   | 35   | 4.90   |      |

- When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

## RH-00386 DIN END MILL ADAPTERS

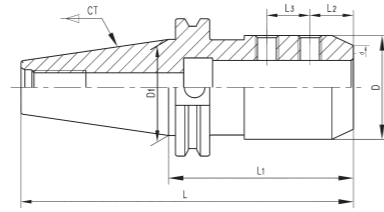


| Order No.<br>DIN69871 . A × d-L1 | L      | D  | D1    | L2   | L3   | Wt(kg) |      |
|----------------------------------|--------|----|-------|------|------|--------|------|
| DIN69871 . A30 × 6-50            | 97.8   | 25 | 31.75 | 18   |      | 0.58   |      |
| DIN69871 . A30 × 8-50            | 97.8   | 28 | 31.75 | 18   |      | 0.64   |      |
| DIN69871 . A30 × 10-50           | 97.8   | 35 | 31.75 | 20   |      | 0.72   |      |
| DIN69871 . A30 × 12-50           | 97.8   | 42 | 31.75 | 22.5 |      | 0.80   |      |
| DIN69871 . A30 × 16-63           | 110.8  | 48 | 31.75 | 24   |      | 0.96   |      |
| DIN69871 . A40 × 6-50            | 118.4  | 25 | 44.45 | 18   |      | 0.92   |      |
| DIN69871 . A40 × 8-50            | 118.4  | 28 | 44.45 | 18   | 0.96 |        |      |
| DIN69871 . A40 × 10-50           | 118.4  | 35 | 44.45 | 20   | 2.00 |        |      |
| DIN69871 . A40 × 12-50           | 118.4  | 42 | 44.45 | 22.5 | 1.12 |        |      |
| DIN69871 . A40 × 14-50           | 118.4  | 44 | 44.45 | 22.5 | 1.12 |        |      |
| DIN69871 . A40 × 16-63           | 131.4  | 48 | 44.45 | 24   | 1.20 |        |      |
| DIN69871 . A40 × 18-63           | 131.4  | 50 | 44.45 | 24   | 1.20 |        |      |
| DIN69871 . A40 × 20-63           | 131.4  | 52 | 44.45 | 25   | 1.32 |        |      |
| DIN69871 . A40 × 25-100          | 168.4  | 65 | 44.45 | 24   | 25   | 2.04   |      |
| DIN69871 . A40 × 32-100          | 168.4  | 72 | 44.45 | 24   | 28   | 2.24   |      |
| DIN69871 . A40 × 40-120          | 188.4  | 90 | 44.45 | 30   | 32   | 2.40   |      |
| DIN69871 . A50 × 6-63            | 164.75 | 25 | 69.85 | 18   |      | 3.30   |      |
| DIN69871 . A50 × 8-63            | 164.75 | 28 | 69.85 | 18   |      | 3.40   |      |
| DIN69871 . A50 × 10-63           | 164.75 | 35 | 69.85 | 20   |      | 3.42   |      |
| DIN69871 . A50 × 12-63           | 164.75 | 42 | 69.85 | 22.5 |      | 3.42   |      |
| DIN69871 . A50 × 14-63           | 164.75 | 44 | 69.85 | 22.5 |      | 3.44   |      |
| DIN69871 . A50 × 16-63           | 164.75 | 48 | 69.85 | 24   |      | 3.46   |      |
| DIN69871 . A50 × 18-63           | 164.75 | 50 | 69.85 | 24   |      | 3.48   |      |
| DIN69871 . A50 × 20-63           | 164.75 | 52 | 69.85 | 25   |      | 4.24   |      |
| DIN69871 . A50 × 25-80           | 181.75 | 65 | 69.85 | 24   |      | 25     | 4.40 |
| DIN69871 . A50 × 32-100          | 201.75 | 72 | 69.85 | 24   |      | 28     | 4.52 |
| DIN69871 . A50 × 40-120          | 221.75 | 90 | 69.85 | 30   | 32   | 4.72   |      |

- When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.



## RH-00386 CT END MILL ADAPTERS

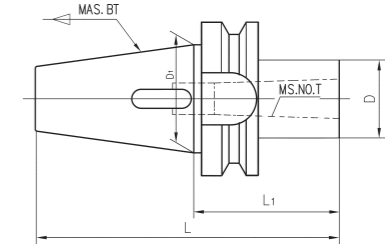


mm

| Order No.<br>CTXd-L1 | L      | D     | D1    | L2   | L3 |      |
|----------------------|--------|-------|-------|------|----|------|
| CT40X3/16"-2~1/2"    | 131.8  | 19.05 | 44.45 | 14.3 |    |      |
| CT40X1/4"-2~1/2"     | 131.8  | 20.64 |       | 19.8 |    |      |
| CT40X5/16"-2~1/2"    | 131.8  | 22.22 |       | 19.8 |    |      |
| CT40X3/8"-2~1/2"     | 131.8  | 32    |       | 19.8 |    |      |
| CT40X7/16"-2~1/2"    | 131.8  | 31.75 |       | 22.2 |    |      |
| CT40X1/2"-2~5/8"     | 134.9  | 44.45 |       | 22.2 |    |      |
| CT40X5/8"-3~3/4"     | 163.5  | 44.45 |       | 23.8 |    |      |
| CT40X3/4"-3~3/4"     | 163.5  | 44.45 |       | 25.4 |    |      |
| CT40X7/8"-4"         | 169.9  | 52    |       | 27   |    | 22.2 |
| CT40X1"-4"           | 169.9  | 63    |       | 28.6 |    | 25.4 |
| CT40X1~1/4"-4~1/8"   | 173    | 69.85 | 28.6  | 25.4 |    |      |
| CT50X3/8"-4~1/2"     | 215.9  | 31.75 | 69.85 | 19.8 |    |      |
| CT50X3/8"-6~1/2"     | 266.7  | 31.75 |       | 19.8 |    |      |
| CT50X1/2"-2~5/8"     | 168.3  | 44.45 |       | 22.2 |    |      |
| CT50X1/2"-4~5/8"     | 219.2  | 44.45 |       | 22.2 |    |      |
| CT50X5/8"-3~3/4"     | 196.85 | 44.45 |       | 23.8 |    |      |
| CT50X5/8"-5~3/4"     | 247.7  | 44.45 |       | 23.8 |    |      |
| CT50X3/4"-3~3/4"     | 196.85 | 44.45 |       | 25.4 |    |      |
| CT50X3/4"-5~3/4"     | 247.7  | 44.45 |       | 25.4 |    |      |
| CT50X7/8"-3~3/4"     | 196.85 | 52    |       | 27   |    | 22.2 |
| CT50X7/8"-5~3/4"     | 247.7  | 52    |       | 27   |    | 22.2 |
| CT50X1"-4"           | 203.2  | 63    |       | 28.6 |    | 25.4 |
| CT50X1"-6"           | 254    | 63    |       | 28.6 |    | 25.4 |
| CT50X1~1/4"-4"       | 203.2  | 69.85 |       | 28.6 |    | 25.4 |
| CT50X1~1/4"-6"       | 254    | 69.85 |       | 28.6 |    | 25.4 |
| CT50X1~1/2"-4"       | 203.2  | 69.85 |       | 28.6 |    | 25.4 |
| CT50X1~1/2"-6"       | 254    | 69.85 | 28.6  | 25.4 |    |      |
| CT50X2"-5~5/8"       | 244.5  | 69.85 | 30.2  | 36.5 |    |      |
| CT50X2"-7~5/8"       | 295.3  | 69.85 | 30.2  | 36.5 |    |      |

According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

## RH-00388 BT MORSE TAPER(WITH TANG)



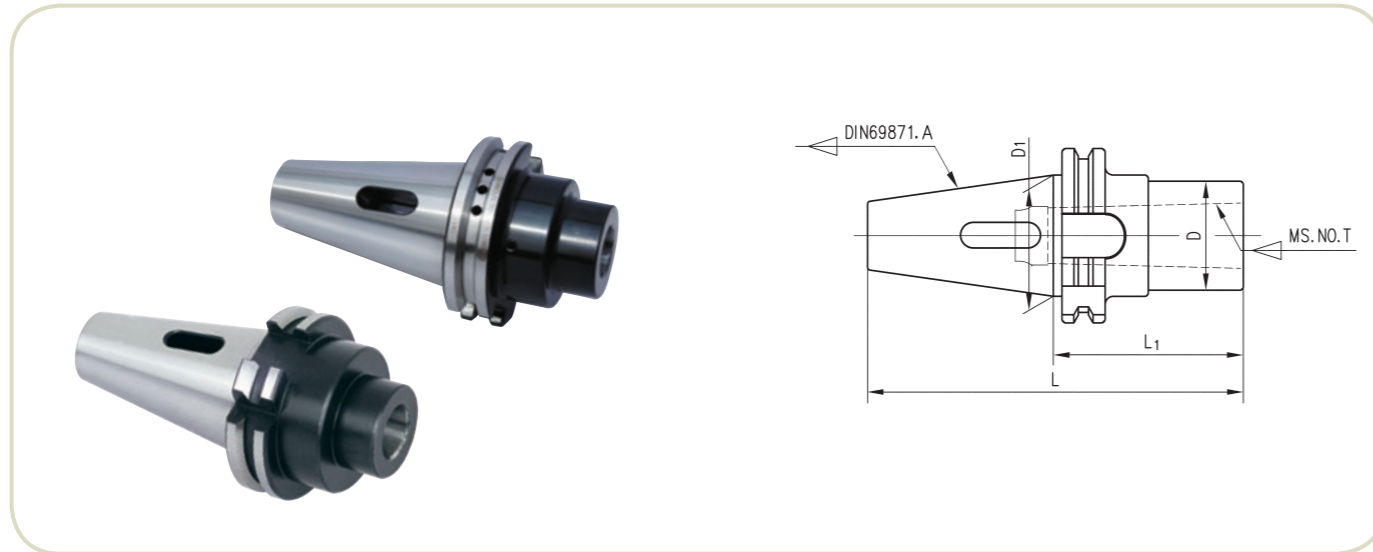
mm

| Order No.<br>BT × MS . NO . T-L1 | L     | D  | D1    | Wt(kg) |
|----------------------------------|-------|----|-------|--------|
| BT30 × MS1-45                    | 93.4  | 25 | 31.75 | 0.55   |
| BT30 × MS2-60                    | 108.4 | 32 | 31.75 | 0.90   |
| BT30 × MS3-80                    | 128.4 | 40 | 31.75 | 0.90   |
| BT40 × MS1-45                    | 110.4 | 25 | 44.45 | 1.20   |
| BT40 × MS2-50                    | 115.4 | 32 | 44.45 | 1.55   |
| BT40 × MS2-60                    | 125.4 | 32 | 44.45 | 1.65   |
| BT40 × MS3-70                    | 135.4 | 40 | 44.45 | 1.80   |
| BT40 × MS3-75                    | 140.4 | 40 | 44.45 | 1.90   |
| BT40 × MS4-90                    | 155.4 | 48 | 44.45 | 2.30   |
| BT40 × MS4-95                    | 160.4 | 48 | 44.45 | 2.40   |
| BT40 × MS4-135                   | 200.4 | 48 | 44.45 | 2.65   |
| BT45 × MS1-120                   | 202.8 | 25 | 57.15 | 1.90   |
| BT45 × MS2-120                   | 202.8 | 32 | 57.15 | 2.30   |
| BT45 × MS3-120                   | 202.8 | 40 | 57.15 | 2.40   |
| BT45 × MS4-98                    | 180.8 | 48 | 57.15 | 2.40   |
| BT50 × MS1-45                    | 146.8 | 25 | 69.85 | 4.10   |
| BT50 × MS2-50                    | 151.8 | 32 | 69.85 | 4.00   |
| BT50 × MS2-60                    | 161.8 | 32 | 69.85 | 4.20   |
| BT50 × MS2-120                   | 221.8 | 32 | 69.85 | 4.30   |
| BT50 × MS3-65                    | 166.8 | 40 | 69.85 | 4.20   |
| BT50 × MS3-75                    | 176.8 | 40 | 69.85 | 4.30   |
| BT50 × MS3-120                   | 221.8 | 40 | 69.85 | 4.40   |
| BT50 × MS3-150                   | 251.8 | 40 | 69.85 | 4.68   |
| BT50 × MS4-95                    | 196.8 | 48 | 69.85 | 5.00   |
| BT50 × MS5-105                   | 206.8 | 63 | 69.85 | 5.00   |

1. When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
2. According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.



RH-00388 DIN MORSE TAPER WITH TANG

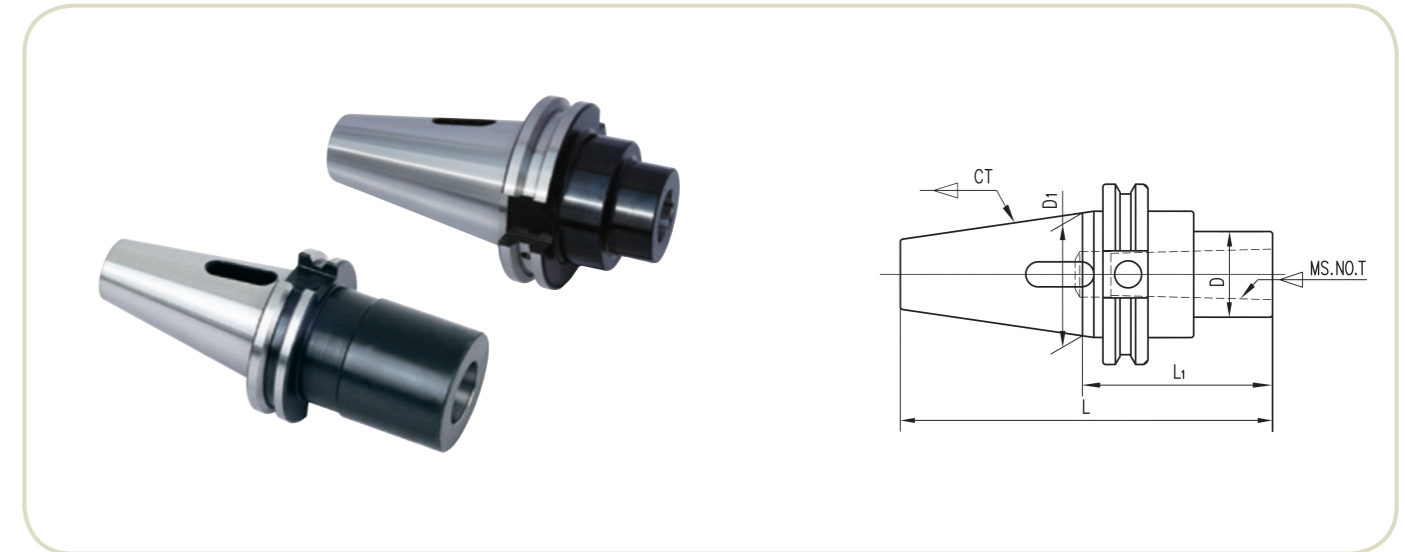


mm

| Order No.<br>DIN69871 . A × MS.NO . T-L <sub>1</sub> | L      | D  | D <sub>1</sub> | Wt(kg) |
|--|--------|----|----------------|--------|
| DIN69871 . A30 × MS1-50                              | 97.8   | 25 | 31.75          | 0.55   |
| DIN69871 . A30 × MS2-60                              | 107.8  | 32 | 31.75          | 0.80   |
| DIN69871 . A30 × MS3-75                              | 122.8  | 40 | 31.75          | 0.85   |
| DIN69871 . A40 × MS1-45                              | 113.4  | 25 | 44.45          | 1.20   |
| DIN69871 . A40 × MS1-50                              | 118.4  | 25 | 44.45          | 1.30   |
| DIN69871 . A40 × MS2-50                              | 118.4  | 32 | 44.45          | 1.50   |
| DIN69871 . A40 × MS2-60                              | 128.4  | 32 | 44.45          | 1.56   |
| DIN69871 . A40 × MS3-75                              | 143.4  | 40 | 44.45          | 1.80   |
| DIN69871 . A40 × MS4-95                              | 163.4  | 48 | 44.45          | 2.40   |
| DIN69871 . A50 × MS1-45                              | 146.75 | 25 | 69.85          | 4.05   |
| DIN69871 . A50 × MS2-60                              | 161.75 | 32 | 69.85          | 4.40   |
| DIN69871 . A50 × MS3-65                              | 166.75 | 40 | 69.85          | 4.50   |
| DIN69871 . A50 × MS4-95                              | 196.75 | 48 | 69.85          | 4.90   |
| DIN69871 . A50 × MS5-100                             | 201.75 | 61 | 69.85          | 5.10   |
| DIN69871 . A50 × MS5-105                             | 206.75 | 61 | 69.85          | 5.15   |

1. When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
2. According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

RH-00388 CT MORSE TAPER WITH TANG



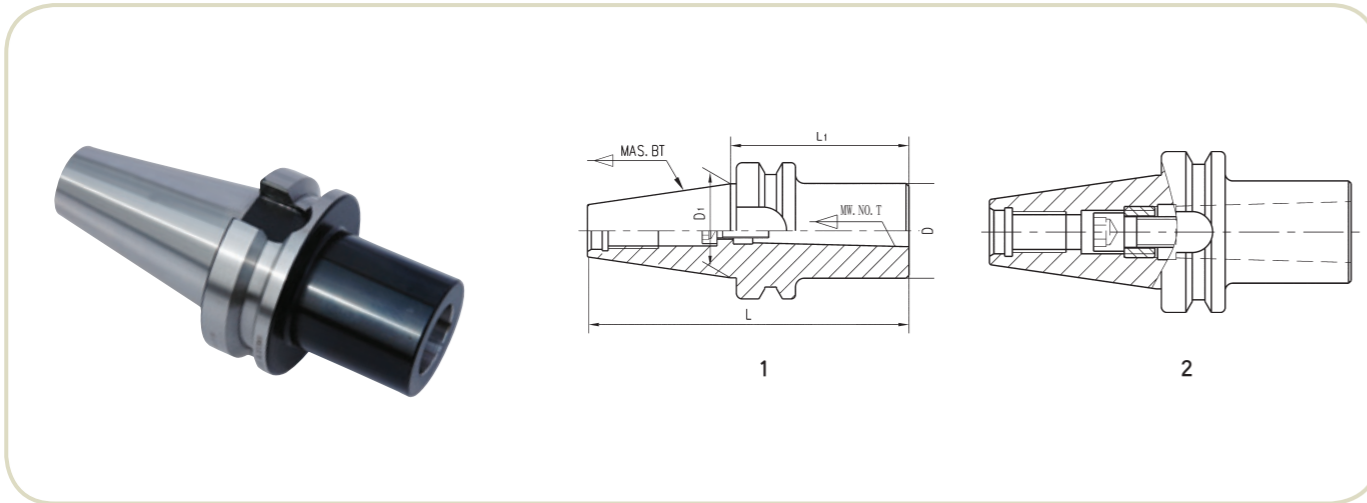
mm

| Order No.<br>CT × MS.NO . T-L <sub>1</sub> | L      | D  | D <sub>1</sub> | Wt(kg) |
|--|--------|----|----------------|--------|
| CT40 × MS1-45                              | 113.25 | 25 | 44.45          | 1.30   |
| CT40 × MS2-63                              | 131.25 | 32 | 44.45          | 1.70   |
| CT40 × MS3-75                              | 143.25 | 40 | 44.45          | 2.00   |
| CT40 × MS4-100                             | 168.25 | 48 | 44.45          | 2.50   |
| CT45 × MS1-40                              | 122.55 | 25 | 57.15          | 2.70   |
| CT45 × MS2-50                              | 132.55 | 32 | 57.15          | 3.80   |
| CT45 × MS3-73                              | 155.55 | 40 | 57.15          | 4.20   |
| CT45 × MS4-95                              | 177.55 | 48 | 57.15          | 4.60   |
| CT45 × MS5-125                             | 207.55 | 61 | 57.15          | 5.50   |
| CT50 × MS1-40                              | 141.6  | 25 | 69.85          | 4.00   |
| CT50 × MS2-50                              | 151.6  | 32 | 69.85          | 4.00   |
| CT50 × MS2-135                             | 236.6  | 32 | 69.85          | 5.00   |
| CT50 × MS3-63                              | 164.6  | 40 | 69.85          | 4.50   |
| CT50 × MS3-150                             | 251.6  | 40 | 69.85          | 5.50   |
| CT50 × MS4-85                              | 186.6  | 48 | 69.85          | 4.80   |
| CT50 × MS5-105                             | 206.6  | 61 | 69.85          | 5.20   |

According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.



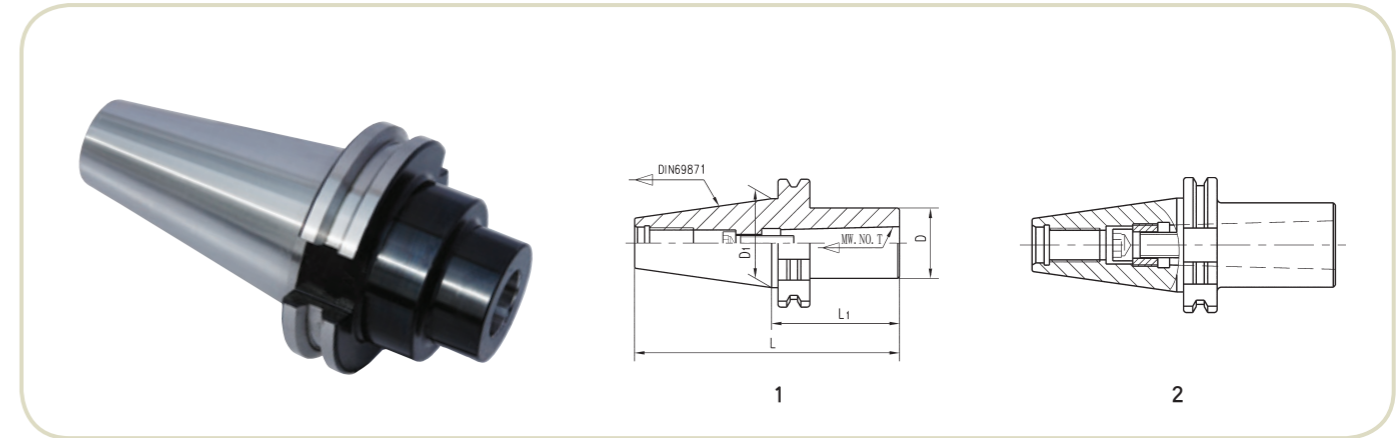
RH-00390 MORSE TAPER(WITH DRAWBAR)



| Order No.<br>BT×MW.NO.T-L <sub>1</sub> | L     | D  | D <sub>1</sub> | Figure |
|--|-------|----|----------------|--------|
| BT40×MW1-45                            | 110.4 | 25 | 44.45          | 1      |
| BT40×MW2-60                            | 125.4 | 32 |                | 1      |
| BT40×MW3-75                            | 140.4 | 40 |                | 2      |
| BT40×MW3-90                            | 155.4 | 40 |                | 2      |
| BT40×MW4-100                           | 165.4 | 48 |                | 2      |
| BT50×MW1-45                            | 146.8 | 25 | 69.85          | 1      |
| BT50×MW2-45                            | 146.8 | 32 |                | 1      |
| BT50×MW2-60                            | 161.8 | 32 |                | 1      |
| BT50×MW3-60                            | 161.8 | 40 |                | 1      |
| BT50×MW3-75                            | 176.8 | 40 |                | 1      |
| BT50×MW4-100                           | 201.8 | 48 |                | 2      |
| BT50×MW5-120                           | 221.8 | 63 |                | 2      |

- Note: 1. See figure 1, when the arbor being used, it is necessary to fix inner hex screw.  
 2. See figure 2, when the arbor bein used, it is necessary to fix standard knob, please note when order it.  
 3. When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.  
 4. According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

RH-00390 DIN MORSE TAPER(WITH DRAWBAR)

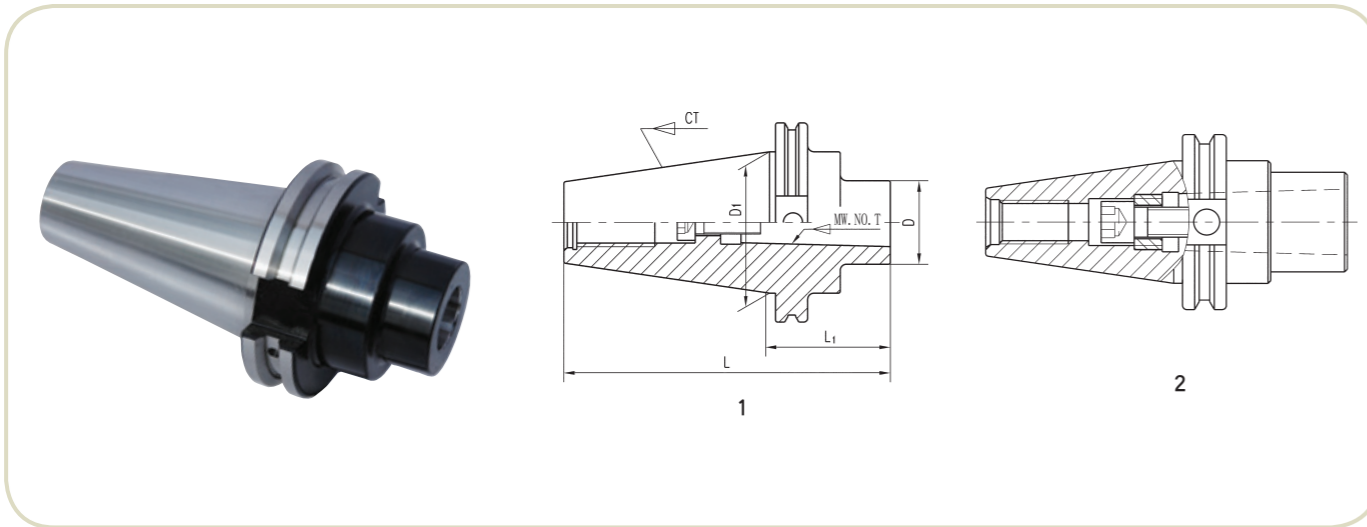


| Order No.<br>DIN69871.AXMW.NO.T-L <sub>1</sub> | L     | D  | D <sub>1</sub> | Figure |
|--|-------|----|----------------|--------|
| DIN69871.A40XMW1-45                            | 113.4 | 25 | 44.45          | 1      |
| DIN69871.A40XMW2-60                            | 128.4 | 32 |                | 1      |
| DIN69871.A40XMW3-80                            | 148.4 | 40 |                | 2      |
| DIN69871.A40XMW3-100                           | 168.4 | 40 |                | 2      |
| DIN69871.A40XMW4-100                           | 168.4 | 48 |                | 2      |
| DIN69871.A50XMW1-45                            | 146.8 | 25 | 69.85          | 1      |
| DIN69871.A50XMW2-45                            | 146.8 | 32 |                | 1      |
| DIN69871.A50XMW3-60                            | 161.8 | 40 |                | 1      |
| DIN69871.A50XMW3-80                            | 181.8 | 40 |                | 1      |
| DIN69871.A50XMW4-90                            | 191.8 | 48 |                | 2      |
| DIN69871.A50XMW4-120                           | 221.8 | 48 |                | 2      |
| DIN69871.A50XMW5-120                           | 221.8 | 61 |                | 2      |

- Note: 1. See figure 1, when the arbor being used, it is necessary to fix inner hex screw.  
 2. See figure 2, when the arbor bein used, it is necessary to fix standard knob, please note when order it.  
 3. When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.  
 4. According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.



## RH-00390 MORSE TAPER(WITH DRAWBAR)

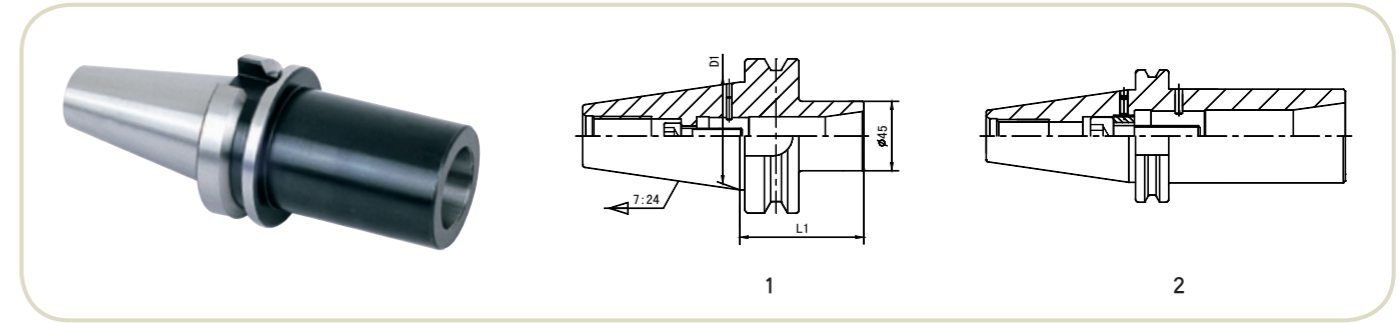


mm

| Order No.<br>CT×MW.NO.T-L1 | L      | D     | D1    | Figure |
|----------------------------|--------|-------|-------|--------|
| CT40×MW1-45                | 113.25 | 25    | 44.45 | 1      |
| CT40×MW2-60                | 128.25 | 32    |       | 1      |
| CT40×MW3-75                | 143.25 | 40    |       | 2      |
| CT40×MW3-90                | 158.25 | 40    |       | 2      |
| CT40×MW4-100               | 168.25 | 48    |       | 2      |
| CT40×MW4-120               | 188.25 | 48    |       | 2      |
| CT50×MW2-60                | 161.6  | 31.75 | 69.85 | 1      |
| CT50×MW3-60                | 161.6  | 41.28 |       | 1      |
| CT50×MW4-90                | 191.6  | 50.8  |       | 2      |
| CT50×MW5-120               | 201.6  | 69.85 |       | 2      |

- Note: 1. See figure 1, when the arbor being used, it is necessary to fix inner hex screw.  
 2. See figure 2, when the arbor being used, it is necessary to fix standard knob, please note when order it.  
 3. According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

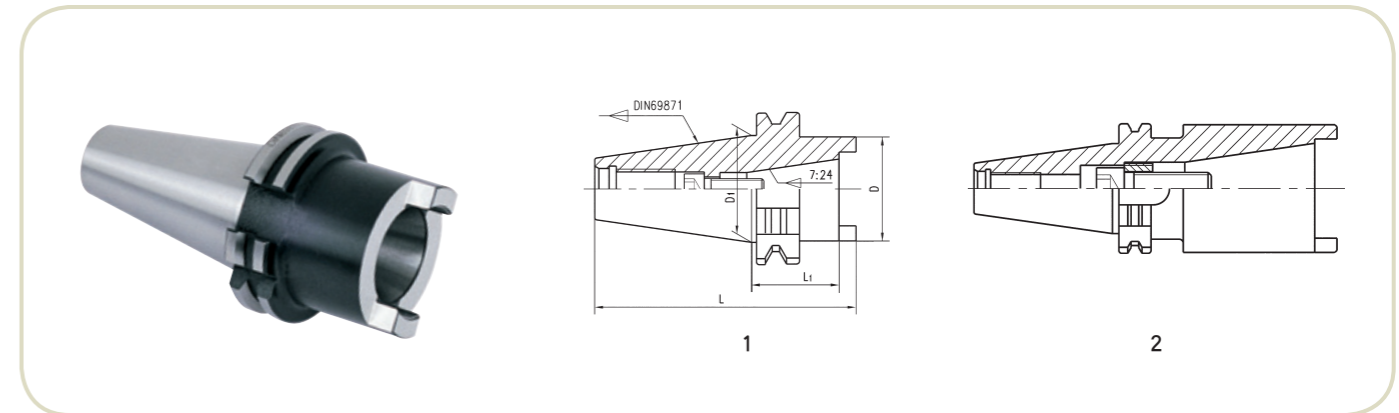
## RH-00392 BT R8 TAPER SLEEVES



mm

| Order No.   | D1    | L1  | Figure | Order No.   | D1    | L1  | Figure |
|-------------|-------|-----|--------|-------------|-------|-----|--------|
| BT30XR8-125 | 31.75 | 125 | 2      | BT50XR8-120 | 44.45 | 120 | 1      |
| BT30XR8-150 | 31.75 | 150 | 2      | BT50XR8-150 | 44.45 | 150 | 1      |
| BT40XR8-120 | 44.45 | 120 | 2      | CT40XR8-4   | 44.45 | 4"  | 2      |
| BT40XR8-150 | 44.45 | 150 | 2      | CT50XR8-4   | 69.85 | 6"  | 1      |

## ZZ-00394 7:24 TAPER SLEEVES



mm

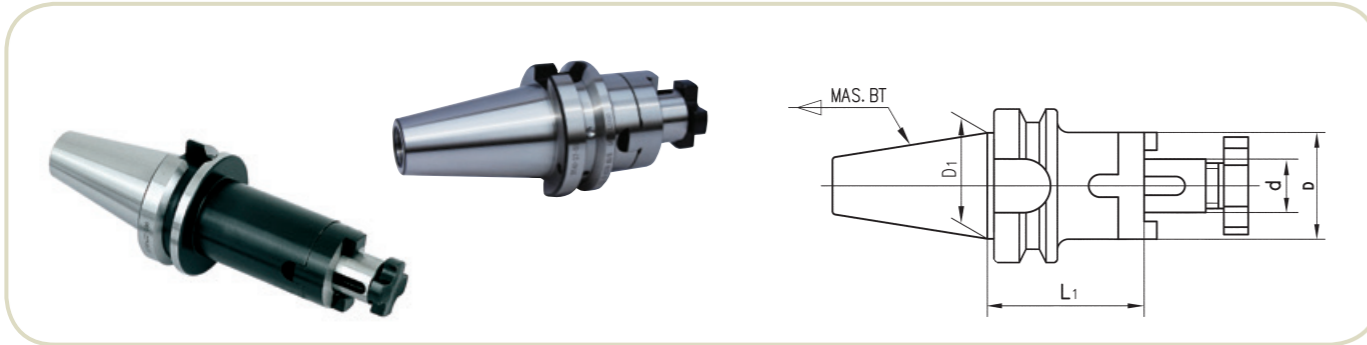
| Order No.<br>DIN69871.AX7.24-L1 | L      | D  | D1    | Figure | Order No.<br>BTX7.24-L1 | L     | D  | D1    | Figure |
|---------------------------------|--------|----|-------|--------|-------------------------|-------|----|-------|--------|
| DIN69871.A40XISO30-75           | 152.4  | 50 | 44.45 | 2      | BT40XISO30-75           | 149.4 | 50 | 44.45 | 2      |
| DIN69871.A40XISO40-100          | 179.4  | 63 | 44.45 | 2      | BT40XISO40-100          | 176.4 | 63 | 44.45 | 2      |
| DIN69871.A50XISO30-50           | 160.75 | 50 | 69.85 | 1      | BT50XISO30-50           | 160.8 | 50 | 69.85 | 1      |
| DIN69871.A50XISO40-70           | 182.75 | 70 | 69.85 | 2      | BT50XISO40-70           | 182.8 | 70 | 69.85 | 2      |
| DIN69871.A50XISO50-120          | 235.75 | 97 | 69.85 | 2      | BT50XISO50-120          | 235.8 | 97 | 69.85 | 2      |

- Note: 1. See figure 1, when the arbor being used, it is necessary to fix inner hex screw.  
 2. See figure 2, when the arbor being used, it is necessary to fix standard knob, please note when order it.





## RH-00396 BT COMBI SHELL END MILL ARBORS

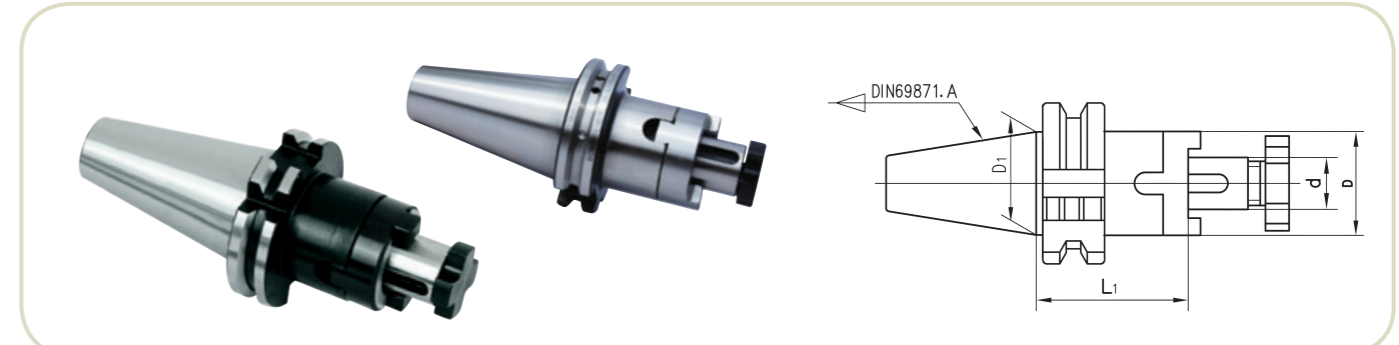


mm

| Order No.<br>BT × d-L1 | D  | D1    | Wt(kg) |
|------------------------|----|-------|--------|
| BT30 × 16-55           | 32 | 31.75 | 1.00   |
| BT30 × 22-55           | 40 | 31.75 | 1.20   |
| BT30 × 27-55           | 48 | 31.75 | 1.20   |
| BT30 × 32-60           | 58 | 31.75 | 1.50   |
| BT30 × 40-60           | 70 | 31.75 | 2.30   |
| BT40 × 16-55           | 32 | 44.45 | 1.20   |
| BT40 × 16-100          | 32 | 44.45 | 1.50   |
| BT40 × 22-55           | 40 | 44.45 | 1.25   |
| BT40 × 22-100          | 40 | 44.45 | 1.85   |
| BT40 × 27-55           | 48 | 44.45 | 1.50   |
| BT40 × 27-100          | 48 | 44.45 | 2.00   |
| BT40 × 32-60           | 58 | 44.45 | 1.50   |
| BT40 × 32-100          | 58 | 44.45 | 2.30   |
| BT40 × 40-60           | 70 | 44.45 | 2.00   |
| BT40 × 40-100          | 70 | 44.45 | 3.00   |
| BT50 × 16-63           | 32 | 69.85 | 3.60   |
| BT50 × 16-100          | 32 | 69.85 | 4.00   |
| BT50 × 22-70           | 40 | 69.85 | 3.70   |
| BT50 × 22-100          | 40 | 69.85 | 4.00   |
| BT50 × 27-70           | 48 | 69.85 | 4.00   |
| BT50 × 27-100          | 48 | 69.85 | 4.40   |
| BT50 × 32-70           | 58 | 69.85 | 4.20   |
| BT50 × 32-100          | 58 | 69.85 | 4.70   |
| BT50 × 40-75           | 70 | 69.85 | 4.50   |
| BT50 × 40-100          | 70 | 69.85 | 5.50   |
| BT50 × 50-75           | 90 | 69.85 | 4.60   |
| BT50 × 50-125          | 90 | 69.85 | 7.20   |

- When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

## RH-00396 DIN COMBI SHELL END MILL ARBORS



mm

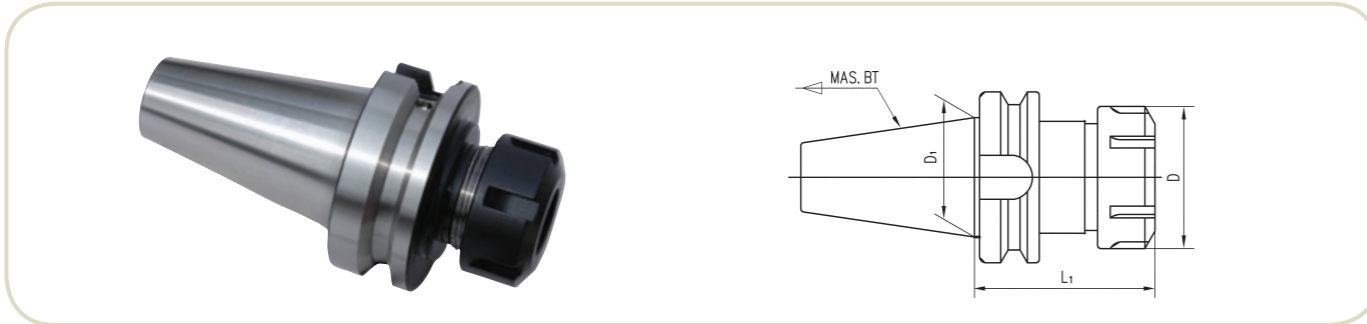
| Order No.<br>DIN69871 . A × d-L1 | D  | D1    | Wt(kg) |
|----------------------------------|----|-------|--------|
| DIN69871 . A30 × 16-55           | 32 | 31.75 | 1.00   |
| DIN69871 . A30 × 22-55           | 40 | 31.75 | 2.00   |
| DIN69871 . A30 × 27-55           | 48 | 31.75 | 2.10   |
| DIN69871 . A30 × 32-60           | 58 | 31.75 | 1.80   |
| DIN69871 . A30 × 40-60           | 70 | 31.75 | 7.30   |
| DIN69871 . A40 × 16-55           | 32 | 44.45 | 1.20   |
| DIN69871 . A40 × 16-100          | 32 | 44.45 | 1.50   |
| DIN69871 . A40 × 22-55           | 40 | 44.45 | 1.23   |
| DIN69871 . A40 × 22-100          | 40 | 44.45 | 1.83   |
| DIN69871 . A40 × 27-55           | 48 | 44.45 | 1.30   |
| DIN69871 . A40 × 27-100          | 48 | 44.45 | 2.20   |
| DIN69871 . A40 × 32-60           | 58 | 44.45 | 1.50   |
| DIN69871 . A40 × 32-100          | 58 | 44.45 | 2.30   |
| DIN69871 . A40 × 40-60           | 70 | 44.45 | 1.80   |
| DIN69871 . A40 × 40-100          | 70 | 44.45 | 3.00   |
| DIN69871 . A50 × 16-63           | 32 | 69.85 | 3.50   |
| DIN69871 . A50 × 16-100          | 32 | 69.85 | 3.80   |
| DIN69871 . A50 × 22-70           | 40 | 69.85 | 3.60   |
| DIN69871 . A50 × 22-100          | 40 | 69.85 | 4.00   |
| DIN69871 . A50 × 27-70           | 48 | 69.85 | 3.70   |
| DIN69871 . A50 × 27-100          | 48 | 69.85 | 4.40   |
| DIN69871 . A50 × 32-70           | 58 | 69.85 | 3.80   |
| DIN69871 . A50 × 32-100          | 58 | 69.85 | 4.70   |
| DIN69871 . A50 × 40-75           | 70 | 69.85 | 3.90   |
| DIN69871 . A50 × 40-100          | 70 | 69.85 | 5.30   |
| DIN69871 . A50 × 50-75           | 90 | 69.85 | 4.50   |
| DIN69871 . A50 × 50-125          | 90 | 69.85 | 7.20   |

69871.40AD/BX27-55.

- When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.



## RH-00400 BT MILLING CHUCK ARBORS



mm

| Order No.<br>BT X ER-L1 | D  | D1    | Order No.<br>BT X ER-L1 | D  | D1    |
|-------------------------|----|-------|-------------------------|----|-------|
| BT30×ER16-70            | 28 | 31.75 | BT45×ER32-70            | 50 | 57.15 |
| BT30×ER20-70            | 34 | 31.75 | BT45×ER32-100           | 50 | 57.15 |
| BT30×ER25-70            | 42 | 31.75 | BT45×ER32-120           | 50 | 57.15 |
| BT30×ER32-70            | 50 | 31.75 | BT45×ER40-80            | 63 | 57.15 |
| BT30×ER40-80            | 63 | 31.75 | BT45×ER40-100           | 63 | 57.15 |
| BT40×ER16-70            | 28 | 44.45 | BT45×ER40-120           | 63 | 57.15 |
| BT40×ER20-70            | 34 | 44.45 | BT50×ER16-70            | 28 | 69.85 |
| BT40×ER20-100           | 34 | 44.45 | BT50×ER16-90            | 28 | 69.85 |
| BT40×ER20-150           | 34 | 44.45 | BT50×ER16-135           | 28 | 69.85 |
| BT40×ER25-60            | 42 | 44.45 | BT50×ER20-70            | 34 | 69.85 |
| BT40×ER25-70            | 42 | 44.45 | BT50×ER20-90            | 34 | 69.85 |
| BT40×ER25-90            | 42 | 44.45 | BT50×ER20-135           | 34 | 69.85 |
| BT40×ER25-100           | 42 | 44.45 | BT50×ER20-150           | 34 | 69.85 |
| BT40×ER25-150           | 42 | 44.45 | BT50×ER20-165           | 34 | 69.85 |
| BT40×ER32-70            | 50 | 44.45 | BT50×ER25-70            | 42 | 69.85 |
| BT40×ER32-100           | 50 | 44.45 | BT50×ER25-135           | 42 | 69.85 |
| BT40×ER32-150           | 50 | 44.45 | BT50×ER25-165           | 42 | 69.85 |
| BT40×ER40-70            | 63 | 44.45 | BT50×ER32-70            | 50 | 69.85 |
| BT40×ER40-80            | 63 | 44.45 | BT50×ER32-80            | 50 | 69.85 |
| BT40×ER40-120           | 63 | 44.45 | BT50×ER32-100           | 50 | 69.85 |
| BT40×ER40-150           | 63 | 44.45 | BT50×ER32-120           | 50 | 69.85 |
| BT45×ER16-70            | 28 | 57.15 | BT50×ER40-80            | 63 | 69.85 |
| BT45×ER20-70            | 34 | 57.15 | BT50×ER40-100           | 63 | 69.85 |
| BT45×ER20-100           | 34 | 57.15 | BT50×ER40-120           | 63 | 69.85 |
| BT45×ER25-70            | 42 | 57.15 | BT50×ER40-135           | 63 | 69.85 |
| BT45×ER25-90            | 42 | 57.15 | BT50×ER50-90            | 78 | 69.85 |
| BT45×ER25-100           | 42 | 57.15 | BT50×ER50-120           | 78 | 69.85 |

- When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

## RH-00400 DIN69871 MILLING CHUCK ARBORS



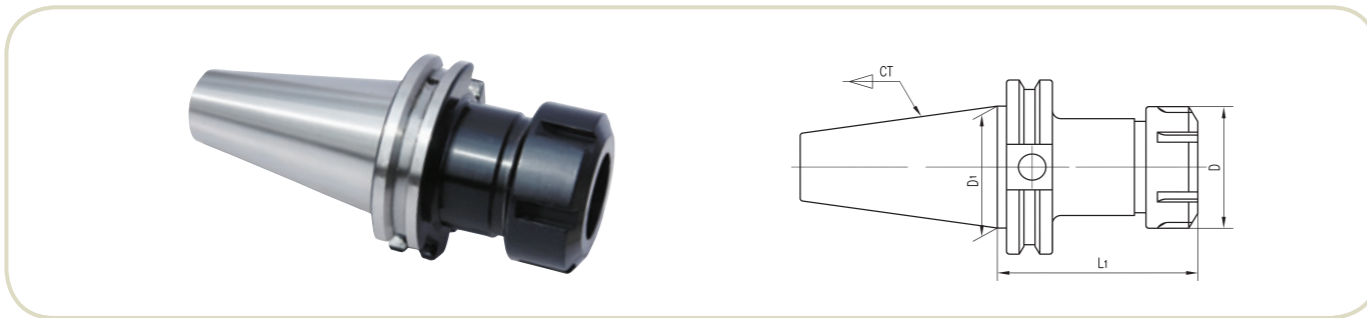
mm

| Order No.<br>DIN69871 . AXER-L1 | D  | D1    | Order No.<br>DIN69871 . AXER-L1 | D  | D1    |
|---------------------------------|----|-------|---------------------------------|----|-------|
| DIN69871 . A30×ER11-80          | 19 | 31.75 | DIN69871 . A40×ER40-120         | 63 | 44.45 |
| DIN69871 . A30×ER16-63          | 28 | 31.75 | DIN69871 . A40×ER40-150         | 63 | 44.45 |
| DIN69871 . A30×ER20-63          | 34 | 31.75 | DIN69871 . A50×ER16-70          | 28 | 69.85 |
| DIN69871 . A30×ER25-63          | 42 | 31.75 | DIN69871 . A50×ER16-100         | 28 | 69.85 |
| DIN69871 . A40×ER11-80          | 19 | 44.45 | DIN69871 . A50×ER16-160         | 28 | 69.85 |
| DIN69871 . A40×ER16-63          | 28 | 44.45 | DIN69871 . A50×ER20-70          | 34 | 69.85 |
| DIN69871 . A40×ER16-70          | 28 | 44.45 | DIN69871 . A50×ER20-100         | 34 | 69.85 |
| DIN69871 . A40×ER16-100         | 28 | 44.45 | DIN69871 . A50×ER20-135         | 34 | 69.85 |
| DIN69871 . A40×ER16-120         | 28 | 44.45 | DIN69871 . A50×ER20-160         | 34 | 69.85 |
| DIN69871 . A40×ER20-70          | 34 | 44.45 | DIN69871 . A50×ER25-70          | 42 | 69.85 |
| DIN69871 . A40×ER20-100         | 34 | 44.45 | DIN69871 . A50×ER25-100         | 42 | 69.85 |
| DIN69871 . A40×ER20-160         | 34 | 44.45 | DIN69871 . A50×ER25-150         | 42 | 69.85 |
| DIN69871 . A40×ER25-60          | 42 | 44.45 | DIN69871 . A50×ER32-80          | 50 | 69.85 |
| DIN69871 . A40×ER25-70          | 42 | 44.45 | DIN69871 . A50×ER32-100         | 50 | 69.85 |
| DIN69871 . A40×ER25-100         | 42 | 44.45 | DIN69871 . A50×ER32-120         | 50 | 69.85 |
| DIN69871 . A40×ER25-150         | 42 | 44.45 | DIN69871 . A50×ER32-160         | 50 | 69.85 |
| DIN69871 . A40×ER32-70          | 50 | 44.45 | DIN69871 . A50×ER40-80          | 63 | 69.85 |
| DIN69871 . A40×ER32-80          | 50 | 44.45 | DIN69871 . A50×ER40-120         | 63 | 69.85 |
| DIN69871 . A40×ER32-100         | 50 | 44.45 | DIN69871 . A50×ER40-160         | 63 | 69.85 |
| DIN69871 . A40×ER32-120         | 50 | 44.45 | DIN69871 . A50×ER50-90          | 78 | 69.85 |
| DIN69871 . A40×ER32-150         | 50 | 44.45 | DIN69871 . A50×ER50-120         | 78 | 69.85 |
| DIN69871 . A40×ER40-80          | 63 | 44.45 | DIN69871 . A50×ER50-160         | 78 | 69.85 |
| DIN69871 . A40×ER40-100         | 63 | 44.45 | DIN69871 . A50×ER50-200         | 78 | 69.85 |

- When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.



RH-00400 CT MILLING CHUCK ARBORS

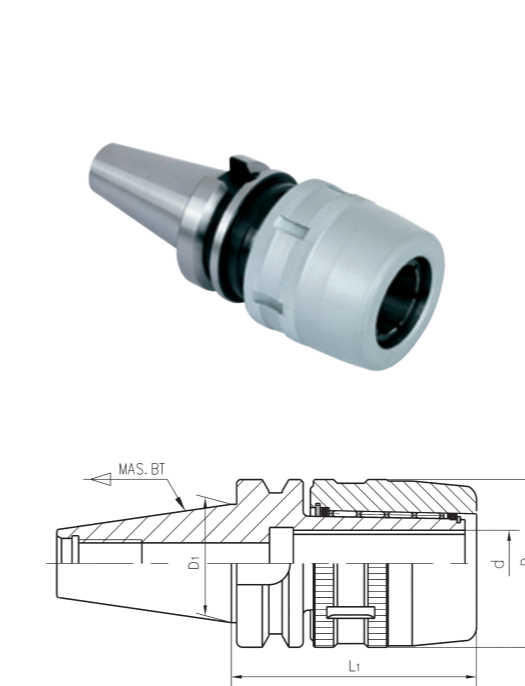


mm

| Order No.<br>CT X ER-L1 | D  | D1    | Order No.<br>CT X ER-L1 | D  | D1    |
|-------------------------|----|-------|-------------------------|----|-------|
| CT40×ER16-63            | 28 | 44.45 | CT40×ER50-80            | 78 | 44.45 |
| CT40×ER16-70            | 28 | 44.45 | CT40×ER50-100           | 78 | 44.45 |
| CT40×ER16-100           | 28 | 44.45 | CT50×ER16-70            | 28 | 69.85 |
| CT40×ER16-120           | 28 | 44.45 | CT50×ER16-90            | 28 | 69.85 |
| CT40×ER16-125           | 28 | 44.45 | CT50×ER16-105           | 28 | 69.85 |
| CT40×ER16-150           | 28 | 44.45 | CT50×ER16-135           | 28 | 69.85 |
| CT40×ER20-70            | 34 | 44.45 | CT50×ER20-70            | 34 | 69.85 |
| CT40×ER20-90            | 34 | 44.45 | CT50×ER20-90            | 34 | 69.85 |
| CT40×ER20-100           | 34 | 44.45 | CT50×ER20-105           | 34 | 69.85 |
| CT40×ER20-105           | 34 | 44.45 | CT50×ER20-135           | 34 | 69.85 |
| CT40×ER20-135           | 34 | 44.45 | CT50×ER20-150           | 34 | 69.85 |
| CT40×ER20-150           | 34 | 44.45 | CT50×ER20-165           | 34 | 69.85 |
| CT40×ER25-70            | 42 | 44.45 | CT50×ER25-70            | 42 | 69.85 |
| CT40×ER25-90            | 42 | 44.45 | CT50×ER25-105           | 42 | 69.85 |
| CT40×ER25-100           | 42 | 44.45 | CT50×ER25-135           | 42 | 69.85 |
| CT40×ER25-125           | 42 | 44.45 | CT50×ER25-165           | 42 | 69.85 |
| CT40×ER25-150           | 42 | 44.45 | CT50×ER32-70            | 50 | 69.85 |
| CT40×ER32-70            | 50 | 44.45 | CT50×ER32-80            | 50 | 69.85 |
| CT40×ER32-100           | 50 | 44.45 | CT50×ER32-100           | 50 | 69.85 |
| CT40×ER32-120           | 50 | 44.45 | CT50×ER32-120           | 50 | 69.85 |
| CT40×ER32-150           | 50 | 44.45 | CT50×ER40-80            | 63 | 69.85 |
| CT40×ER40-70            | 63 | 44.45 | CT50×ER40-100           | 63 | 69.85 |
| CT40×ER40-80            | 63 | 44.45 | CT50×ER40-120           | 63 | 69.85 |
| CT40×ER40-100           | 63 | 44.45 | CT50×ER40-150           | 63 | 69.85 |
| CT40×ER40-120           | 63 | 44.45 | CT50×ER50-90            | 78 | 69.85 |
| CT40×ER40-150           | 63 | 44.45 | CT50×ER50-120           | 78 | 69.85 |

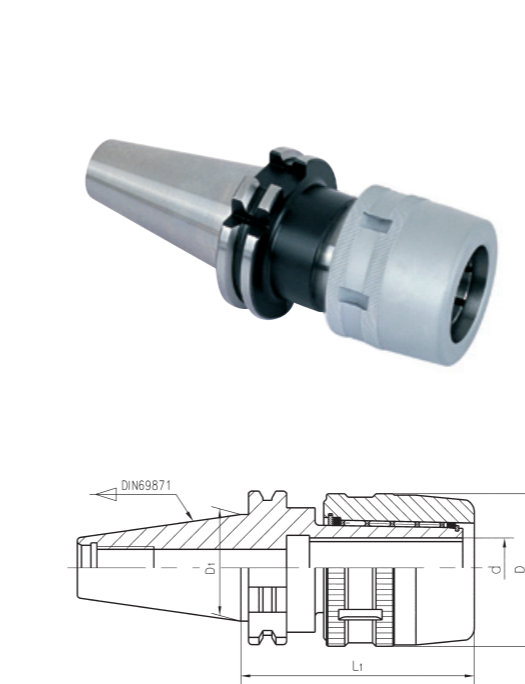
According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

RH-00401 JM71 MILLING CHUCK ARBORS



| Order No.<br>BT X JM71-L1 | d  | D  | D1    |
|---------------------------|----|----|-------|
| BT40×JM7112-86            | 16 | 50 | 44.45 |
| BT40×JM7116-90            | 22 | 56 |       |
| BT40×JM7116-100           | 22 | 56 |       |
| BT40×JM7116-135           | 22 | 56 |       |
| BT40×JM7120-100           | 25 | 63 |       |
| BT40×JM7120-105           | 25 | 63 |       |
| BT40×JM7125-100           | 32 | 70 |       |
| BT40×JM7125-105           | 32 | 70 |       |
| BT40×JM7125-135           | 32 | 70 |       |
| BT40×JM7132-115           | 42 | 90 |       |
| BT50×JM7116-100           | 22 | 56 | 69.85 |
| BT50×JM7125-110           | 32 | 70 |       |
| BT50×JM7125-150           | 32 | 70 |       |
| BT50×JM7132-120           | 42 | 90 |       |
| BT50×JM7132-150           | 42 | 90 |       |
| BT50×JM7132-165           | 42 | 90 |       |

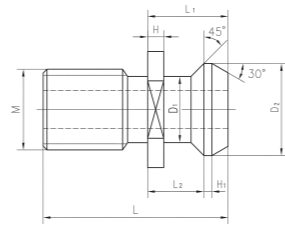
RH-00401 JM71 MILLING CHUCK ARBORS



| Order No.<br>DIN69871 . A X JM71-L1 | d  | D  | D1    |       |
|-------------------------------------|----|----|-------|-------|
| DIN69871 . A40×JM7112-90            | 16 | 50 | 44.45 |       |
| DIN69871 . A40×JM7116-100           | 22 | 56 |       |       |
| DIN69871 . A40×JM7116-120           | 22 | 56 |       |       |
| DIN69871 . A40×JM7120-105           | 25 | 63 |       |       |
| DIN69871 . A40×JM7125-100           | 32 | 70 |       |       |
| DIN69871 . A40×JM7125-105           | 32 | 70 |       |       |
| DIN69871 . A40×JM7125-135           | 32 | 70 |       |       |
| DIN69871 . A40×JM7132-135           | 42 | 90 |       |       |
| DIN69871 . A50×JM7116-110           | 22 | 56 |       | 69.85 |
| DIN69871 . A50×JM7116-150           | 22 | 56 |       |       |
| DIN69871 . A50×JM7125-150           | 32 | 70 |       |       |
| DIN69871 . A50×JM7125-165           | 32 | 70 |       |       |
| DIN69871 . A50×JM7132-120           | 42 | 90 |       |       |
| DIN69871 . A50×JM7132-150           | 42 | 90 |       |       |
| DIN69871 . A50×JM7132-165           | 42 | 90 |       |       |



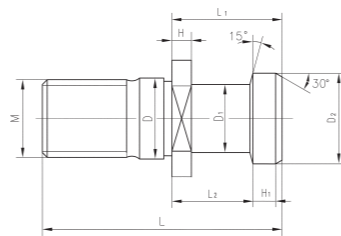
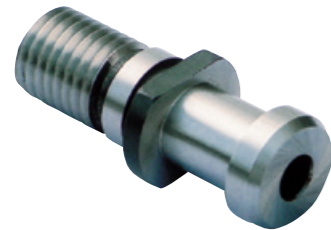
RH-00402 ANSI/ASME B5.50-1985 RETENTION KNOB



mm

| Order No. | D1    | D2    | M       | L     | L1    | L2    | H    | H1   |
|-----------|-------|-------|---------|-------|-------|-------|------|------|
| LDA-30    | 9.78  | 13.21 | 1/2"-13 | 27.94 | 11.68 | 8.13  | 2.54 | 1.01 |
| LDA-40    | 12.45 | 18.80 | 5/8"-11 | 38.10 | 16.26 | 11.18 | 3.05 | 1.52 |
| LDA-45    | 15.37 | 23.88 | 3/4"-10 | 45.72 | 20.83 | 14.73 | 4.06 | 2.03 |
| LDA-50    | 20.83 | 28.96 | 1"-8    | 58.42 | 25.4  | 17.78 | 5.08 | 2.54 |

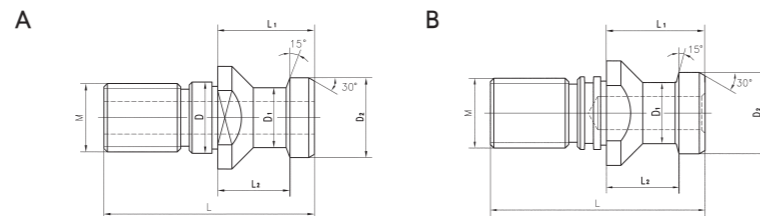
RH-00404 ISO/DIS7388/2-1984A RETENTION KNOB



mm

| Order No. | D  | D1 | D2 | M   | L  | L1 | L2 | H | H1 |
|-----------|----|----|----|-----|----|----|----|---|----|
| LDI-30A   | 13 | 8  | 12 | M12 | 44 | 24 | 19 | 4 | 3  |
| LDI-40A   | 17 | 14 | 19 | M16 | 54 | 26 | 20 | 4 | 4  |
| LDI-45A   | 21 | 17 | 23 | M20 | 65 | 30 | 23 | 5 | 5  |
| LDI-50A   | 25 | 21 | 28 | M24 | 74 | 34 | 25 | 6 | 7  |

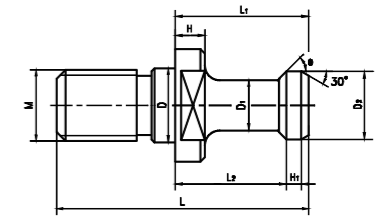
RH-00406 DIN69872-1988 RETENTION KNOB



mm

| Order No.  | D  | D1 | D2 | M   | L  | L1 | L2 |
|------------|----|----|----|-----|----|----|----|
| LDD-30A(B) | 13 | 9  | 13 | M12 | 44 | 24 | 19 |
| LDD-40A(B) | 17 | 14 | 19 | M16 | 54 | 26 | 20 |
| LDD-45A(B) | 21 | 17 | 23 | M20 | 65 | 30 | 23 |
| LDD-50A(B) | 25 | 21 | 28 | M24 | 74 | 34 | 25 |

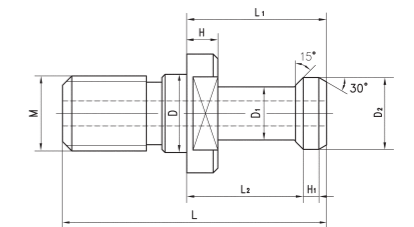
RH-00408 MAS403-1982 RETENTION KNOB



mm

| Order No.   | D    | D1 | D2 | M   | L  | L1 | L2 | H  | H1  | θ           |
|-------------|------|----|----|-----|----|----|----|----|-----|-------------|
| LDB-P30T(θ) | 12.5 | 7  | 11 | M12 | 43 | 23 | 18 | 5  | 2.5 | 45° 60° 90° |
| LDB-P40T(θ) | 17   | 10 | 15 | M16 | 60 | 35 | 28 | 6  | 3   | 45° 60° 90° |
| LDB-P45T(θ) | 21   | 14 | 19 | M20 | 70 | 40 | 31 | 8  | 4   | 45° 60° 90° |
| LDB-P50T(θ) | 25   | 17 | 23 | M24 | 85 | 45 | 35 | 10 | 5   | 45° 60° 90° |

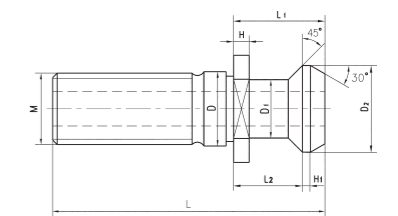
RH-00409 JIS B6339-1986 RETENTION KNOB



mm

| Order No. | D    | D1 | D2 | M   | L  | L1   | L2   | H  | H1 |
|-----------|------|----|----|-----|----|------|------|----|----|
| LDJ-30P   | 12.5 | 8  | 12 | M12 | 43 | 23.4 | 18.4 | 5  | 3  |
| LDJ-35P   | 12.5 | 11 | 15 | M12 | 44 | 24   | 19   | 5  | 3  |
| LDJ-40P   | 17   | 14 | 19 | M16 | 54 | 29   | 23   | 7  | 3  |
| LDJ-45P   | 21   | 17 | 23 | M20 | 60 | 30   | 23   | 7  | 4  |
| LDJ-50P   | 25   | 21 | 28 | M24 | 74 | 34   | 25   | 7  | 5  |
| LDJ-55P   | 31   | 27 | 36 | M30 | 98 | 48   | 36   | 11 | 7  |

RH-00410 ISO/DIS7388/2-1984B RETENTION KNOB

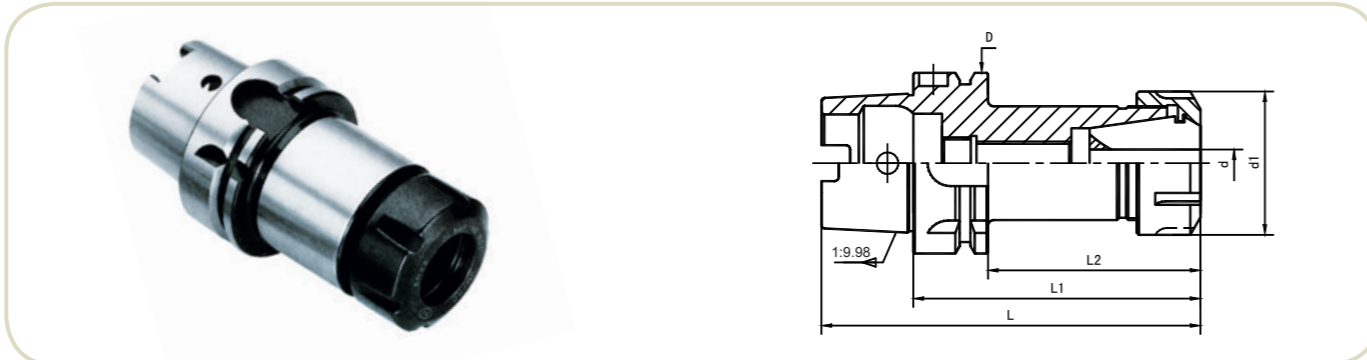


mm

| Order No. | D  | D1    | D2    | M   | L    | L1    | L2    | H    | H1   |
|-----------|----|-------|-------|-----|------|-------|-------|------|------|
| LDI-30B   | 13 | 9.3   | 13.3  | M12 | 27   | 11.8  | 8.1   | 2.7  | 1.2  |
| LDI-40B   | 17 | 12.95 | 18.95 | M16 | 44.5 | 16.4  | 11.15 | 3.25 | 1.75 |
| LDI-45B   | 21 | 16.3  | 24.05 | M20 | 56   | 20.95 | 14.85 | 4.25 | 2.25 |
| LDI-50B   | 25 | 19.6  | 29.1  | M24 | 65.5 | 25.55 | 17.95 | 5.25 | 2.75 |



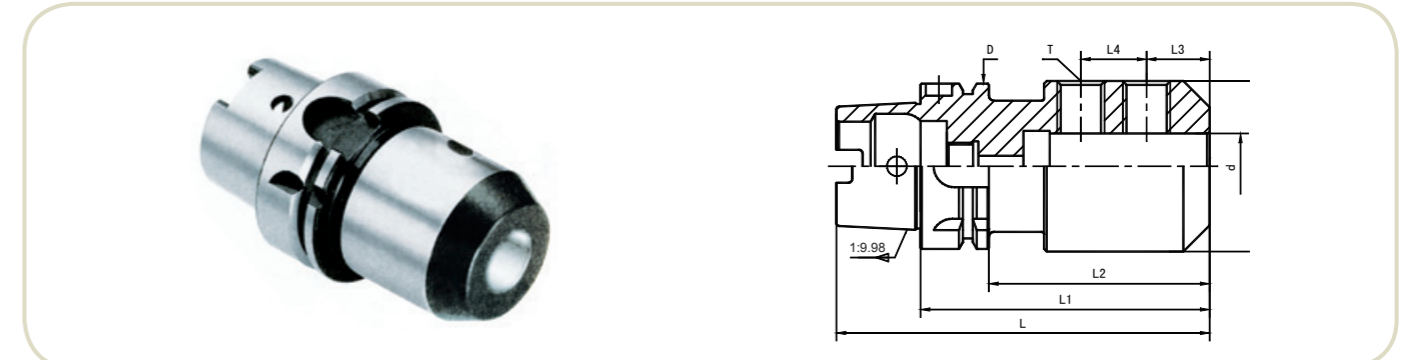
## RH-0041002 HSK (A) ER ER COLLET CHUCK



mm

| Order No.<br>HSK_AXER-L1 | clamping range | L   | L2 | D   | d1 |
|--------------------------|----------------|-----|----|-----|----|
| HSK40AXER20-80           | 1-13           | 100 | 60 | 40  | 34 |
| HSK40AXER25-80           | 1-16           | 100 | 60 | 40  | 42 |
| HSK50AXER16-80           | 1-10           | 105 | 54 | 50  | 28 |
| HSK50AXER16-100          | 1-10           | 125 | 74 | 50  | 28 |
| HSK50AXER25-80           | 1-16           | 105 | 54 | 50  | 42 |
| HSK50AXER25-100          | 1-16           | 125 | 74 | 50  | 42 |
| HSK50AXER32-100          | 2-20           | 125 | 74 | 50  | 50 |
| HSK50AXER32-120          | 2-20           | 145 | 94 | 50  | 50 |
| HSK63AXER16-80           | 1-10           | 112 | 54 | 63  | 28 |
| HSK63AXER16-100          | 1-10           | 132 | 74 | 63  | 28 |
| HSK63AXER25-80           | 1-16           | 112 | 54 | 63  | 42 |
| HSK63AXER25-100          | 1-16           | 132 | 74 | 63  | 42 |
| HSK63AXER25-120          | 1-16           | 152 | 94 | 63  | 42 |
| HSK63AXER32-80           | 2-20           | 112 | 54 | 63  | 50 |
| HSK63AXER32-100          | 2-20           | 132 | 74 | 63  | 50 |
| HSK63AXER32-120          | 2-20           | 152 | 94 | 63  | 50 |
| HSK63AXER40-80           | 3-26           | 112 | 54 | 63  | 63 |
| HSK63AXER40-100          | 3-26           | 132 | 74 | 63  | 63 |
| HSK63AXER40-120          | 3-26           | 152 | 94 | 63  | 63 |
| HSK100AXER25-100         | 1-16           | 150 | 71 | 100 | 42 |
| HSK100AXER25-120         | 1-16           | 170 | 91 | 100 | 42 |
| HSK100AXER32-100         | 2-20           | 150 | 71 | 100 | 50 |
| HSK100AXER32-120         | 2-20           | 170 | 91 | 100 | 50 |
| HSK100AXER40-100         | 3-26           | 150 | 71 | 100 | 63 |
| HSK100AXER40-120         | 3-26           | 170 | 91 | 100 | 63 |

## RH-0041004 HSK (A) END MILL HOLDER

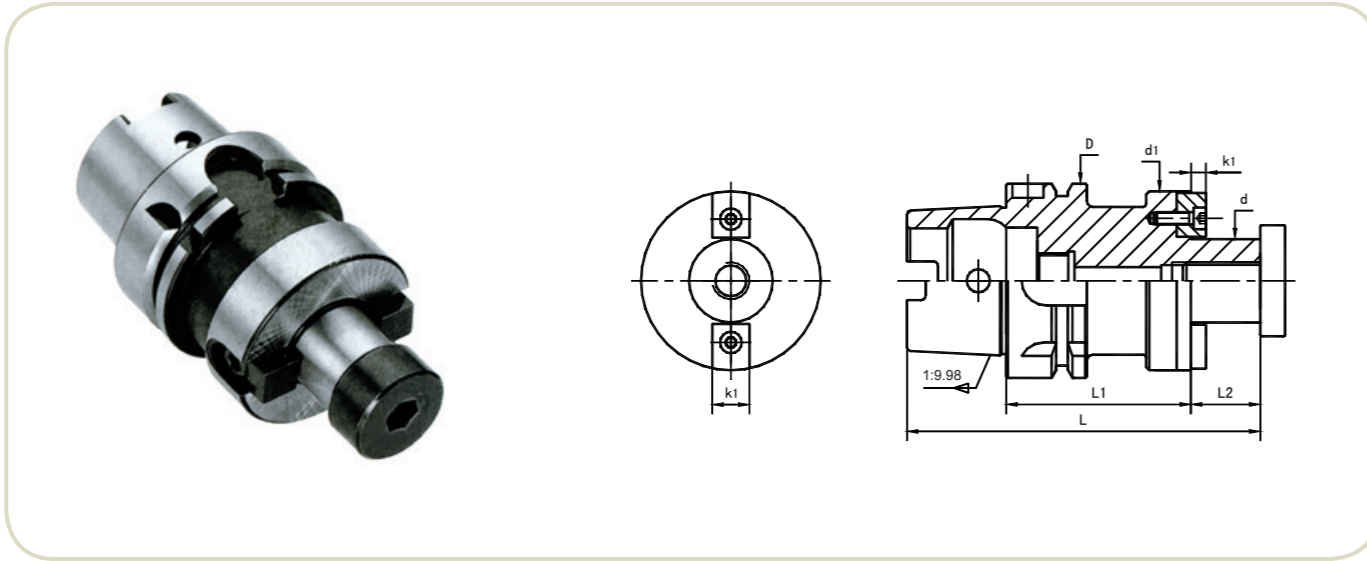


mm

| Order No.<br>HSK_AXd-L1 | L   | L2 | L3   | L4 | D   | d1 | T        |
|-------------------------|-----|----|------|----|-----|----|----------|
| HSK50AX6-65             | 90  | 39 | 18   | —  | 50  | 25 | M6X1.0   |
| HSK50AX8-65             | 90  | 39 | 18   | —  | 50  | 28 | M8X1.25  |
| HSK50AX10-65            | 90  | 39 | 20   | —  | 50  | 35 | M10X1.5  |
| HSK50AX12-80            | 105 | 54 | 22.5 | —  | 50  | 42 | M12X1.75 |
| HSK50AX14-80            | 105 | 54 | 22.5 | —  | 50  | 44 | M12X1.75 |
| HSK50AX16-80            | 105 | 54 | 24   | —  | 50  | 48 | M14X2.0  |
| HSK50AX18-80            | 105 | 54 | 24   | —  | 50  | 50 | M14X2.0  |
| HSK50AX20-80            | 105 | 54 | 25   | —  | 50  | 52 | M16X2.0  |
| HSK63AX6-65             | 97  | 39 | 18   | —  | 63  | 25 | M6X1.0   |
| HSK63AX8-65             | 97  | 39 | 18   | —  | 63  | 28 | M8X1.25  |
| HSK63AX10-65            | 97  | 39 | 20   | —  | 63  | 35 | M10X1.5  |
| HSK63AX12-80            | 112 | 54 | 22.5 | —  | 63  | 42 | M12X1.75 |
| HSK63AX14-80            | 112 | 54 | 22.5 | —  | 63  | 44 | M12X1.75 |
| HSK63AX16-80            | 112 | 54 | 24   | —  | 63  | 48 | M14X2.0  |
| HSK63AX18-80            | 112 | 54 | 24   | —  | 63  | 50 | M14X2.0  |
| HSK63AX20-80            | 112 | 54 | 25   | —  | 63  | 52 | M16X2.0  |
| HSK63AX25-110           | 142 | 84 | 24   | 25 | 63  | 65 | M18X2.0  |
| HSK63AX32-110           | 142 | 84 | 24   | 28 | 63  | 72 | M20X2.0  |
| HSK100AX6-80            | 130 | 51 | 18   | —  | 100 | 25 | M6X1.0   |
| HSK100AX8-80            | 130 | 51 | 18   | —  | 100 | 28 | M8X1.25  |
| HSK100AX10-80           | 130 | 51 | 20   | —  | 100 | 35 | M10X1.5  |
| HSK100AX12-80           | 130 | 51 | 22.5 | —  | 100 | 42 | M12X1.75 |
| HSK100AX14-80           | 130 | 51 | 22.5 | —  | 100 | 44 | M12X1.75 |
| HSK100AX16-100          | 150 | 71 | 24   | —  | 100 | 48 | M14X2.0  |
| HSK100AX18-100          | 150 | 71 | 24   | —  | 100 | 50 | M14X2.0  |
| HSK100AX20-100          | 150 | 71 | 25   | —  | 100 | 52 | M16X2.0  |
| HSK100AX25-100          | 150 | 71 | 24   | 25 | 100 | 65 | M18X2.0  |
| HSK100AX32-100          | 150 | 71 | 24   | 28 | 100 | 72 | M20X2.0  |
| HSK100AX40-100          | 150 | 71 | 30   | 32 | 100 | 90 | M20X2.0  |

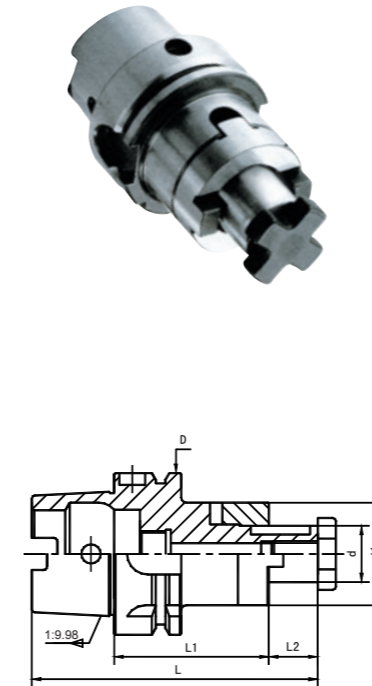


RH-0041006 HSK (A) SHELL END MILL HOLDER



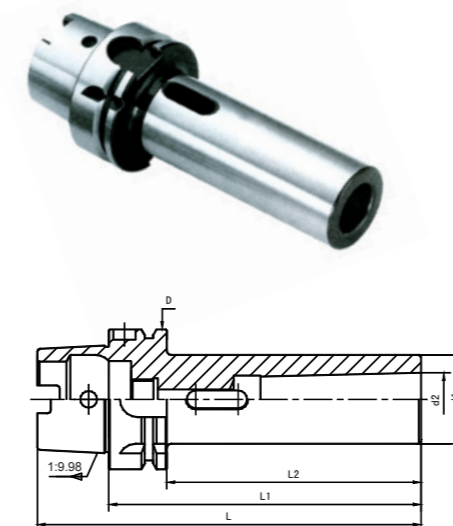
| Order No.<br>HSK . AXd-L1 | L   | L2 | D   | d1 | k1  | k2 |
|---------------------------|-----|----|-----|----|-----|----|
| HSK40AX16-50              | 87  | 17 | 40  | 38 | 3.8 | 8  |
| HSK40AX22-60              | 99  | 19 | 40  | 47 | 4.8 | 10 |
| HSK40AX27-60              | 101 | 21 | 40  | 58 | 5.8 | 12 |
| HSK40AX32-60              | 104 | 24 | 40  | 66 | 6.8 | 14 |
| HSK50AX16-50              | 92  | 17 | 50  | 38 | 3.8 | 8  |
| HSK50AX22-60              | 104 | 19 | 50  | 47 | 4.8 | 10 |
| HSK50AX27-60              | 106 | 21 | 50  | 58 | 5.8 | 12 |
| HSK50AX32-60              | 109 | 24 | 50  | 66 | 6.8 | 14 |
| HSK63AX16-50              | 99  | 17 | 63  | 38 | 3.8 | 8  |
| HSK63AX22-50              | 101 | 19 | 63  | 47 | 4.8 | 10 |
| HSK63AX27-60              | 113 | 21 | 63  | 58 | 5.8 | 12 |
| HSK63AX32-60              | 116 | 24 | 63  | 66 | 6.8 | 14 |
| HSK63AX40-60              | 119 | 27 | 63  | 82 | 8.3 | 16 |
| HSK100AX22-50             | 119 | 19 | 100 | 47 | 4.8 | 10 |
| HSK100AX27-50             | 121 | 21 | 100 | 58 | 5.8 | 12 |
| HSK100AX32-50             | 124 | 24 | 100 | 66 | 6.8 | 14 |
| HSK100AX40-60             | 137 | 27 | 100 | 82 | 8.3 | 16 |
| HSK100AX50-70             | 150 | 30 | 100 | 95 | 9.7 | 19 |

RH-0041008 HSK (A) COMBI-SHELL END MILL HOLDER



| Order No.<br>HSK . AXd-L1 | L   | L2 | D   | d1 |
|---------------------------|-----|----|-----|----|
| HSK50AX16-50              | 92  | 17 | 50  | 32 |
| HSK50AX22-50              | 94  | 19 | 50  | 40 |
| HSK50AX27-65              | 111 | 21 | 50  | 48 |
| HSK50AX32-65              | 114 | 24 | 50  | 58 |
| HSK63AX16-60              | 109 | 17 | 63  | 32 |
| HSK63AX22-60              | 111 | 19 | 63  | 40 |
| HSK63AX27-60              | 113 | 21 | 63  | 48 |
| HSK63AX32-60              | 116 | 24 | 63  | 58 |
| HSK63AX40-70              | 129 | 27 | 63  | 70 |
| HSK100AX22-60             | 127 | 17 | 100 | 32 |
| HSK100AX27-60             | 129 | 19 | 100 | 40 |
| HSK100AX32-60             | 131 | 21 | 100 | 48 |
| HSK100AX40-60             | 134 | 24 | 100 | 58 |
| HSK100AX50-70             | 147 | 27 | 100 | 70 |
| HSK100AX50-80             | 160 | 30 | 100 | 90 |

RH-0041010 HSK (A) MORSE TAPER ADAPTER

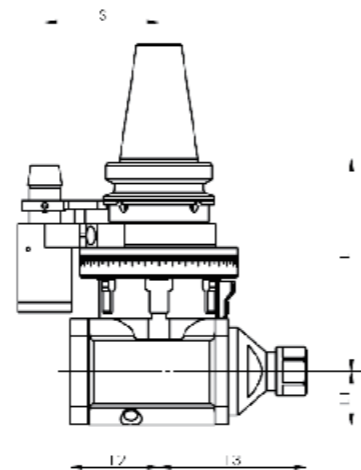


| Order No.<br>HSK . AXMS-L1 | L   | L2  | D   | d1 | d2     |
|----------------------------|-----|-----|-----|----|--------|
| HSK50AXMS1-100             | 125 | 74  | 50  | 25 | 12.065 |
| HSK50AXMS2-120             | 145 | 94  | 50  | 32 | 17.780 |
| HSK50AXMS3-140             | 165 | 114 | 50  | 40 | 23.825 |
| HSK63AXMS1-100             | 132 | 74  | 63  | 25 | 12.065 |
| HSK63AXMS2-120             | 152 | 94  | 63  | 32 | 17.780 |
| HSK63AXMS3-140             | 172 | 114 | 63  | 40 | 23.825 |
| HSK63AXMS4-160             | 192 | 134 | 63  | 48 | 31.267 |
| HSK100AXMS1-110            | 160 | 81  | 100 | 25 | 12.065 |
| HSK100AXMS2-120            | 170 | 91  | 100 | 32 | 17.780 |
| HSK100AXMS3-150            | 200 | 121 | 100 | 40 | 23.825 |
| HSK100AXMS4-170            | 220 | 141 | 100 | 48 | 31.267 |
| HSK100AXMS5-200            | 250 | 171 | 100 | 63 | 44.399 |



## RH-0041060 90 ANGLE HEAD

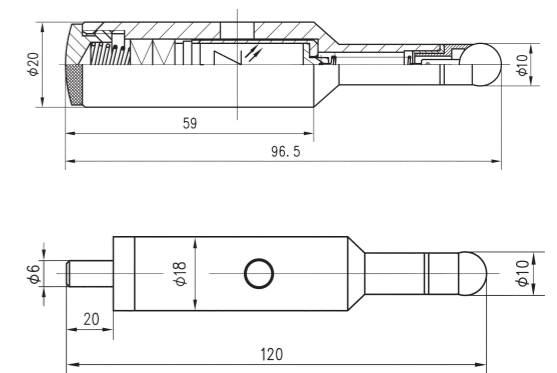
1. The angular position of spindle is 90° and process vertically.
2. Spindle chuck could rotate in 360° degree.
3. High quality precision helical pinions keep steady running with longer life.
4. Run-out of spindle chuck is within 0.02
5. According to different machine devices, it is equipped with versatile coolant systems for customer to choose from:
  - (1) Coolant feed from the center and exhaust from the cutting tool.
  - (2) Coolant feed from the center and exhaust from the oil ball.
  - (3) Coolant feed from the stop block and exhaust from the cutting tool.
  - (4) Coolant feed from the stop block and exhaust from the oil ball.



| Order No.       | L   | L1   | L2 | L3 | S  | Capacity | Torque | Collet |
|-----------------|-----|------|----|----|----|----------|--------|--------|
| AHBT40XER16-120 | 121 | 30.5 | 51 | 85 | 65 | 0.5-10   | 20N.m  | ER16   |
| AHBT40XER32-120 | 121 | 30.5 | 51 | 78 | 65 | 1-16     | 20N.m  | ER32   |
| AHBT50XER16-120 | 130 | 30.5 | 51 | 85 | 80 | 0.5-10   | 20N.m  | ER16   |
| AHBT50XER32-120 | 130 | 30.5 | 51 | 78 | 80 | 1-16     | 20N.m  | ER32   |

## RH-004110 ELECTRONIC EDGE FINDER

1. Touch point LED indication
2. Manufactured from high quality alloy steel
3. Hardened and precision ground
4. Concentricity 0.01mm

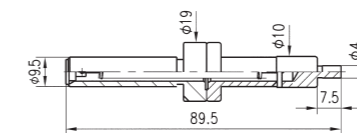


## RH-004112 MECHANICAL EDGE FINDER

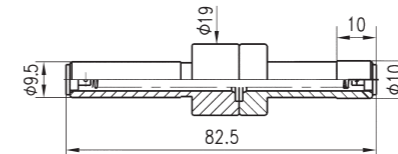
1. Mechanical edge finder for quick and easy location of round or flat work
2. Manufactured from high quality steel
3. Easy to use
4. Quick and accurate
5. Concentricity 0.005mm



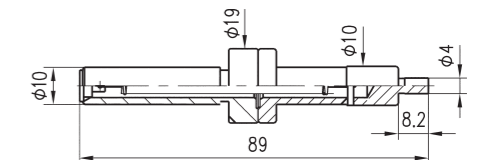
CBQ-00A



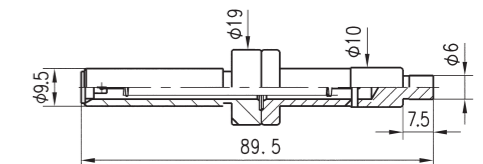
CBQ-00B



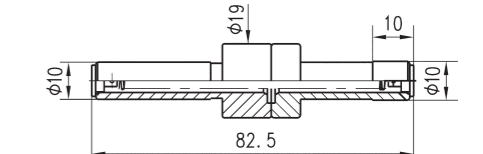
CBQ-00C



CBQ-00D

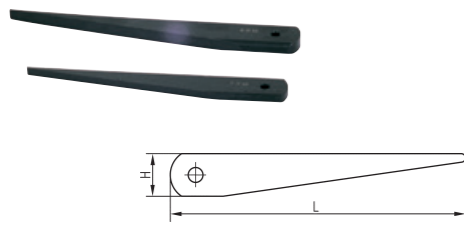


CBQ-00E





RH-00412 DIN317 MORSE SHANK PULLER



| Order      | MS.NO   | L (mm) | H(mm) |
|------------|---------|--------|-------|
| DIN317/0   | MS0     | 90     | 12    |
| DIN317/1-2 | MS1 MS2 | 140    | 20    |
| DIN317/3   | MS3     | 190    | 25    |
| DIN317/4   | MS4     | 225    | 30    |
| DIN317/5-6 | MS5 MS6 | 265    | 35    |

RH-00414 DIN318 HALF AUTOMATIC MORSE SHANK PULLER



| Order No.  | MS.NO       | Overall Length |
|------------|-------------|----------------|
| DIN318/1-3 | MS1 MS2 MS3 | 317            |
| DIN318/4-6 | MS4 MS5 MS6 | 380            |

The morse shank can easy to be pulled off by the half-automatic morse shank puller. Operation quickly, saving time and pressure

RH-00416 SCREW JACK



| Order No. | Base outsize (mm) |
|-----------|-------------------|
| SJ-1      | 25                |
| SJ-2      | 31.5              |

It can be used on various jacking with different combination easy to operation & save your time and pressure

RH-004170 VERTICAL HORIZONTAL TOOL HOLDER DEVICE



| Order No. | Taper of Tool Holder | Outsize (mm)     | Weight (kg) |
|-----------|----------------------|------------------|-------------|
| LD-BT30   | BT30                 | 205 × 98.5 × 128 | 3.70        |
| LD-BT40   | BT40                 | 205 × 98.5 × 128 | 3.80        |
| LD-BT50   | BT50                 | 275 × 150 × 198  | 11.40       |
| LD-DT30   | DIN69871 .30         | 205 × 98.5 × 128 | 3.70        |
| LD-DT40   | DIN69871 .40         | 205 × 98.5 × 128 | 3.80        |
| LD-DT50   | DIN69871 .50         | 275 × 150 × 198  | 11.40       |
| LD-CT30   | CAT30                | 205 × 98.5 × 128 | 3.70        |
| LD-CT40   | CAT40                | 205 × 98.5 × 128 | 3.80        |
| LD-CT50   | CAT50                | 275 × 150 × 198  | 11.40       |

RH-004172 SY ARBOR PRESSES



| Order No. | Pressure KN | Strock mm | Weight |
|-----------|-------------|-----------|--------|
| SY-0.5T   | 5           | 90        | 10     |
| SY-1T     | 10          | 110       | 16     |
| SY-2T     | 20          | 180       | 38     |
| SY-3T     | 30          | 285       | 67     |
| SY-5T     | 50          | 430       | 154    |

RH-004174 58-PC CLAMPING KIT



58-PC Clamping kit with metal holder Each set contains  
 \* 6-T-Slot nuts  
 \* 6-Flange nuts  
 \* 4-Coupling nuts  
 \* 6-Step clamps  
 \* 12-Step blocks  
 \* 24 Studs 4 ea. 3", 4", 5", 6", 7", 8" length

| Order No. | Stud Size (US) | Stud Size (US) | Order No. | Tsble T-slot Size (MM) | Stud Size (MM) |
|-----------|----------------|----------------|-----------|------------------------|----------------|
| YT-0101   | 3/8            | 5/6-18         | YT-0201   | 9.7                    | M8x1.25        |
| YT-0102   | 7/16           | 3/8-16         | YT-0202   | 11.7                   | M10x1.5        |
| YT-0103   | 1/2            | 3/8-16         | YT-0203   | 13.7                   | M10x1.5        |
| YT-0104   | 9/16           | 3/8-16         | YT-0204   | 13.7                   | M12x1.75       |
| YT-0105   | 9/16           | 1/2-13         | YT-0205   | 15.7                   | M12x1.75       |
| YT-0106   | 5/8            | 1/2-13         | YT-0206   | 15.7                   | M14x2          |
| YT-0107   | 11/16          | 1/2-13         | YT-0207   | 17.7                   | M14x2          |
| YT-0108   | 11/16          | 5/8-11         | YT-0208   | 17.7                   | M16x2          |
| YT-0109   | 3/4            | 5/8-11         | YT0209    | 19.7                   | M16x2          |
| YT-0110   | 13/16          | 5/8-11         |           |                        |                |

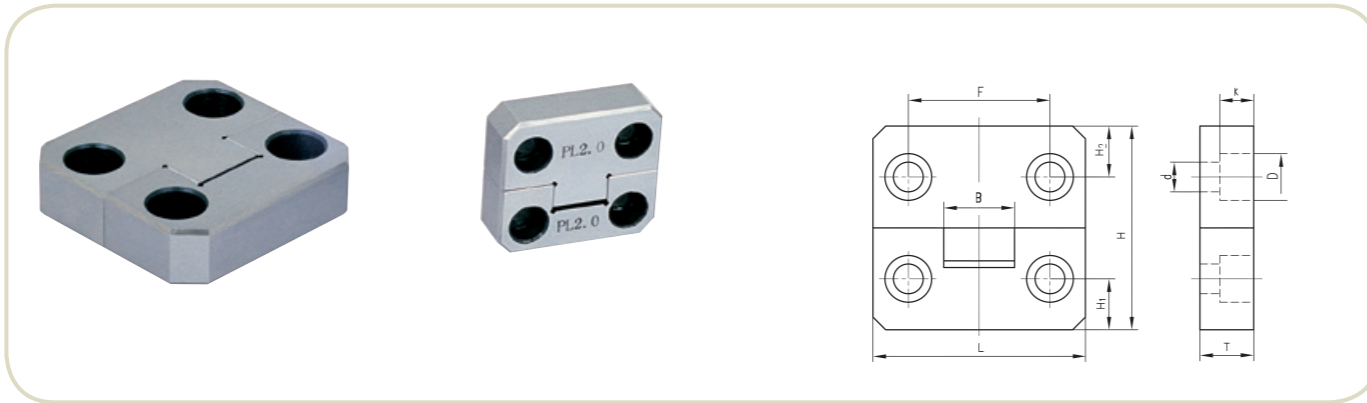
YT-0105, YT-0106, YT-0107;  
 Could choose all plastic holder

YT-0204, YT-0205;  
 Could choose all plastic holder





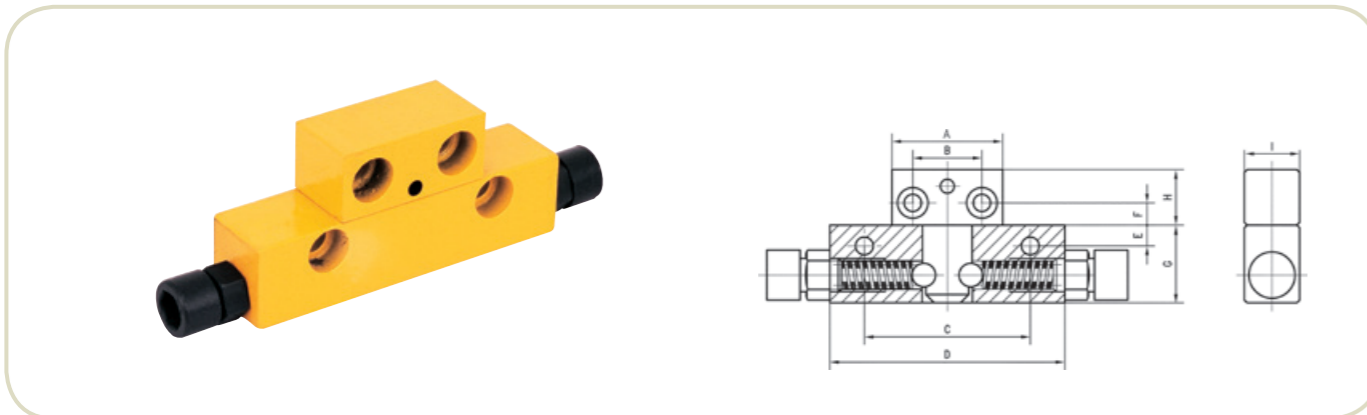
RH-00418 STRAIGHT BLOCK SET-PL TYPE



| Order No. | L   | B    | F  | T  | H  | H <sub>1</sub> | H <sub>2</sub> | D    | d    | K  |
|-----------|-----|------|----|----|----|----------------|----------------|------|------|----|
| PL50      | 50  | 17   | 34 | 16 | 43 | 11             | 11             | 10.5 | 6.5  | 8  |
| PL75      | 75  | 25   | 50 | 19 | 72 | 18             | 18             | 16.5 | 10.5 | 12 |
| PL100     | 100 | 35.4 | 70 | 19 | 90 | 22             | 22             | 16.5 | 10.5 | 12 |
| PL125     | 125 | 45   | 84 | 25 | 90 | 22             | 22             | 16.5 | 10.5 | 12 |

| Order No. | L     | B      | F      | T      | H      | H <sub>1</sub> | H <sub>2</sub> | D  | d  | K  |
|-----------|-------|--------|--------|--------|--------|----------------|----------------|----|----|----|
| PL1.5     | 38.1  | 12.7   | 23.826 | 15.748 | 44.196 | 7.14           | 11.15          | 11 | 7  | 7  |
| PL2.0     | 50.8  | 17.272 | 31.75  | 15.748 | 44.196 | 9.53           | 11.1           | 11 | 7  | 7  |
| PL3.0     | 76.2  | 25.4   | 57.15  | 18.923 | 69.342 | 17.46          | 17.46          | 15 | 10 | 10 |
| PL4.0     | 101.6 | 34.925 | 69.85  | 18.923 | 94.996 | 22.23          | 22.23          | 15 | 10 | 10 |
| PL5.0     | 127   | 44.45  | 88.9   | 28.448 | 95.296 | 22.23          | 22.23          | 19 | 14 | 14 |

RH-00419 PL LOCKING



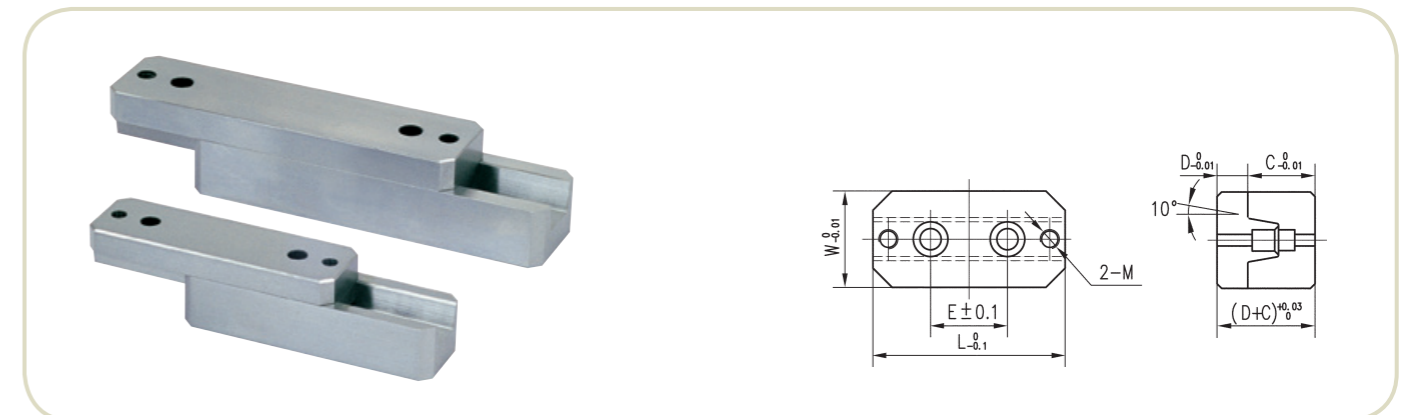
| Order No. | A  | B  | C  | D   | E | F  | G  | H  | I  |
|-----------|----|----|----|-----|---|----|----|----|----|
| PL1       | 40 | 25 | 60 | 85  | 8 | 8  | 20 | 28 | 20 |
| PL2       | 60 | 35 | 70 | 127 | 9 | 13 | 26 | 32 | 30 |

RH-00422 TAPER BLOCK SET-ROUND TPN TYPE



| Order No. | D  | V  | E  | L  | M x L <sub>1</sub> |
|-----------|----|----|----|----|--------------------|
| TPN13     | 13 | 7  | 6  | 14 | M4X10              |
| TPN16     | 16 | 10 |    |    | M5X10              |
| TPN20     | 20 | 13 | 9  | 19 | M6X12              |
| TPN25     | 25 | 16 |    |    | M8X16              |
| TPN30     | 30 | 20 | 15 | 29 | M10X20             |
| TPN32     | 32 | 20 |    |    | M12X24             |
| TPN35     | 35 | 24 | 18 | 34 |                    |

RH-00424 TAPER BLOCK SET-TBL TYPE



| Order No. | L      | W     | C     | D    | E     | M        |
|-----------|--------|-------|-------|------|-------|----------|
| TBL50     | 50     | 25    | 17.5  | 8    | 0     | M5       |
| TBL100    | 100    | 30    | 22    | 10   | 60    | M6       |
| TBL150    | 150    | 40    | 25    | 13   | 100   | M8       |
| TBL50 I   | 50.29  | 25.4  | 17.53 | 7.93 | 0     | 3/16"-24 |
| TBL100 I  | 101.09 | 31.75 | 22.1  | 9.53 | 63.5  | 1/4"-20  |
| TBL150 I  | 151.89 | 38.1  | 25.4  | 12.7 | 101.6 | 5/16"-18 |