

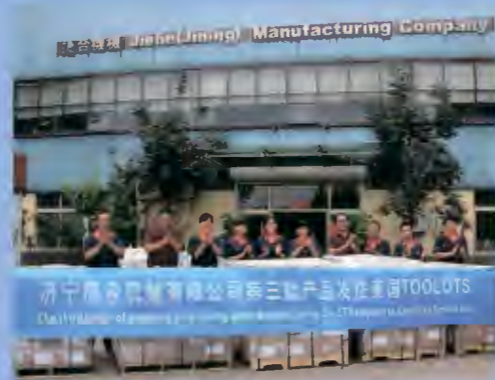
**JiHe**

**CNC JiHe**

目录  
INDEX



Our Factory  
Our Team



A:刀柄



P1-151



液压刀柄系列  
HYDRAULIC CHUCK



HSK高精度液压刀柄  
HSK HIGH PRECISION HYDRAULIC CHUCK

P4-6



BBT/BT高精度液压刀柄  
BBT/BT HIGH PRECISION HYDRAULIC CHUCK

P7-P8



BBT/BT高精度液压刀柄细长型  
BBT/BT HIGH PRECISION HYDRAULIC CHUCK SUPER SLIM

P9-P10



BBT/BT高精度液压刀柄BT50  
BBT/BT HIGH PRECISION HYDRAULIC CHUCK BT50

P11



SK高精度液压刀柄  
SK HIGH PRECISION HYDRAULIC CHUCK

P12



SK高精度液压刀柄-磨刀机专用  
SK HIGH PRECISION HYDRAULIC CHUCK-GRINDING HOLDER

P13



HSK高精度液压刀柄细长型  
HSK HIGH PRECISION HYDRAULIC CHUCK SUPER SLIM

P14



液压膨胀套  
HYDRAULIC EXPANSION SLEEVE

P14



高精度液压筒夹  
REDUCTION SLEEVES

P15



液压减径套套装  
REDUCTION SLEEVES SET

P16



液压刀柄套装  
HYDRAULIC CHUCK SET

P16



走心机最佳高精度液压产品  
HIGH PRECISION HYDRAULIC CHUCK FOR CNC AUTOMATIC LATHES(WELDON)

P17



高精度一体式钻头  
HIGH PRECISION DRILL CHUCK HOLDER

P19



SK超高精度一体式钻头刀柄  
SK HIGH PRECISION DRILL CHUCK HOLDER

P19



ISO 超高精度一体式钻头刀柄  
ISO HIGH PRECISION DRILL CHUCK HOLDER

P20



BT 超高精度一体式钻头刀柄  
BT HIGH PRECISION DRILL CHUCK HOLDER

P20



HSK 超高精度一体式钻头刀柄  
HSK HIGH PRECISION DRILL CHUCK HOLDER

P21



VDI 超高精度一体式钻头刀柄  
VDI HIGH PRECISION DRILL CHUCK HOLDER

P19



MT 超高精度一体式钻头刀柄  
MT HIGH PRECISION DRILL CHUCK HOLDER

P19



BT/APU 一体式钻头刀柄  
BT/APU DRILLCHUCK HOLDER

P22



GAT/APU 一体式钻头刀柄  
GAT/APU DRILL CHUCK HOLDER

P22



SK/APU 一体式钻头刀柄  
SK/APU DRILL CHUCK HOLDER

P22



BT/APU 高精一体式钻头刀柄  
BT/APU HIGH PRECISION DRILL CHUCK HOLDER

P24



GAT/APU 高精一体式钻头刀柄  
GAT/APU HIGH PRECISION DRILL CHUCK HOLDER

P24



SK/APU 高精一体式钻头刀柄  
SK/APU HIGH PRECISION DRILL CHUCK HOLDER

P24



NT/APU 高精一体式钻头刀柄  
NT/APU HIGH PRECISION DRILL CHUCK HOLDER

P25



高精一体式钻头刀柄  
HIGH PRECISION DRILL CHUCK HOLDER

P25



高精重型自紧钻头  
HIGH PRECISION HEAVY-DUTY KEYLESS DRILL CHUCK

P25



SK高速筒夹刀柄  
SK COLLET CHUCK

P26



**ER高速刀柄**  
HIGH SPEED ER COLLET TOOL HOLDER



P29

**HSK ER刀柄**  
HSK(A)ER COLLET CHUCK



P29

**BT/ER刀柄**  
BT/ER COLLET CHUCK



P30-31

**CAT/ER刀柄**  
CAT/ER COLLET CHUCKS



P32

**NMTB/ER刀柄**  
NMTB/ER COLLET CHUCK



P33

**平面铣刀柄**  
FACE MILL HOLDER



P60

**BT/FMA平面铣刀柄**  
BT/FMA FACE MILL HOLDER



P60

**BT/FMB平面铣刀柄**  
BT/FMB FACE MILL HOLDER



P61

**BT/FMC普通面铣刀柄-出水结构**  
FACE MILL HOLDER WITH COOLANT



P62

**BT/CMA复合式面铣刀柄**  
COMBINATION FOR FACE MILL HOLDER



P63

**SK/ER刀柄**  
SK/ER COLLET CHUCK



P34-35

**NT/ER刀柄**  
NT/ER COLLET CHUCK



P36

**ISO/ER高速小径刀柄**  
NT/ER HIGH SPEED SLIM CHUCK



P36

**MT/ER刀柄**  
MT/ER COLLET CHUCK



P37

**R8/ER刀柄**  
R8/ER COLLET CHUCK



P37

**CAT/FMA平面铣刀柄**  
CAT/FMA FACE MILL HOLDER



P64

**NMTB/FMA面铣刀柄**  
NMTB/FMA FACE MILL HOLDER



P65

**SK/FMB平面铣刀柄**  
SK/FMB FACE MILL HOLDER



P66

**SK/CAM复合式平面铣刀柄**  
SK COMBINATION FOR FACE MILL HOLDER



P67

**SK40/50普通面铣刀柄-出水结构**  
SK40/50 FACE MILL HOLDER WITH COOLANT



P68

**直柄ER夹头组(延长杆)**  
STRAIGHT SHANK ER COLLET CHUCK



P38

**5C/ER刀柄**  
5C/ER COLLET CHUCK



P39

**刚性伸缩浮动攻丝夹头刀柄**  
ER FLOATING TAP COLLET CHUCK



P39

**强力刀柄**  
MILLING CHUCK



P41

**HSK高精度强力刀柄**  
HSK HIGH PRECISION POWER MILLING CHUCK



P41

**NT/FMB平面铣刀柄**  
NT/FMB FACE MILL HOLDER



P69

**NT/CMA复合式铣刀柄**  
NT/CMA COMBINATION FOR FACE MILL HOLDER



P69

**R8/SM平面铣刀柄**  
R8/SM SHELL MILL HOLDER



P70

**SK钻接杆**  
SK JACOBS ARBORS



P70

**BT钻接杆**  
BT JACOBS TAPER ARBORS



P71

**NT/MLC强力刀柄**  
NT/MLC MILLING CHUCK



P44

**BT/MLC强力型刀柄**  
BT/MLC MILLING CHUCK



P42

**CAT/MLC强力刀柄**  
CAT/MLC MILLING CHUCK



P43

**SK/MLC强力刀柄**  
SK/MLC MILLING CHUCK



P43

**CAT钻接杆**  
CAT JACOBE TAPER ARBORS



P72

**NMTB钻接杆**  
NMTB/JTA JACOBS TAPER ARBORS



P73

**NMTB钻头套**  
NMTB/MTA MORSE TAPER ARBORS



P73

**BT变径套**  
BT/MTA MORSE TAPER ARBORS



P74

**BT变径套**  
BT/MTB MORSE TAPER ARBORS



P75

**DC筒夹**  
DC COLLET




P47

**后拉式筒夹刀柄**  
BT/DC Slim-Fit Collet Chuck



P46

**DC筒夹**  
DC COLLET



P47

**NT/MTB Morse Taper Arbors**



P76

**CAT/MTA Morse Taper Arbors**



P76

**SK/MTA Morse Taper Arbors**



P77

**SK/MTB Reducing Sleeve Arbors**



P77

**NT/MTA Morse Taper Arbors**



P78

**侧固式刀柄**  
END MILL HOLDER



P57

**BT/SLN侧固式铣刀柄**  
BT/SLN END MILL HOLDER



P49-51

**CAT/SLN侧固式刀柄**  
CAT/SLN END MILL HOLDER



P52-53

**NMTB/SLN侧固式刀柄**  
NMTB/SLN END MILL HOLDER



P54

**SK/SLN侧固式铣刀柄**  
SK/SLN END MILL HOLDER



P55-56

**NT/MTB Morse Taper Arbors**



P78

**BT/EOC(OZ)刀柄**  
BT/EOC(OZ) COLLET CHUCK



P79

**CAT/EOC(OZ)刀柄**  
CAT/EOC(OZ) COLLET CHUCK



P80

**SK/EOC(OZ)刀柄**  
SK/EOC(OZ) COLLET CHUCK



P80

**ISO-CNC雕刻机、木工机**  
ISO-CNC BALANCED TOOL HOLDER NO KEY SLOT



P81

**NT/SLN侧固式铣刀柄**  
NT/SLN END MILL HOLDER



P57

**R8/SLN侧固式刀柄**  
R8/SLN END MILL HOLDER



P58

**HSK/SLN侧固式刀柄**  
HSK/SLN END MILL HOLDER



P58

**SK-CNC雕刻机、木工机**  
SK-CNC BALANCED TOOL HOLDER NO KEY SLOT



P81

**ISO30-CNC雕刻机、木工机**  
OZ COLLET CHUCK NO KEY SLOT



P81

**45°粗镗孔刀柄**  
45° SQUARE SHANK BORING BAR TYPE A



P82

**90°粗镗孔刀柄**  
90° SQUARE SHANK BORING BAR TYPE A



P83

**BT/LBK镗孔头刀柄**  
BT/LBK BORING HEAD SHANK BAR TYPE A



P84

**R8侧铣刀柄**  
R8 SIDE CUTTER ARBORS



P85

**莫氏侧铣刀柄**  
MORSE TAPER SIDE CUTTER ARBORS



P85

**NT侧铣刀柄**  
NT SIDE CUTTER ARBORS



P85

**BT侧铣刀柄**  
BT SIDE CUTTER ARBORS



P86

**NT30F砂轮杆**  
NT30F GRINDING WHEEL ROD




P86



BT圆刀铣刀杆  
BT Screw-in Endmill Holder  
  
P87

圆刀铣刀  
CORNER ROUNDING END MILL  
  
P87

精度检测仪  
Precision Measuring Instrument  
  
P88

刀柄精度检测仪  
Inspection Device for Tool Holder  
  
P89

Z轴测定器  
Z Figure Meter  
  
P90

MS型ER螺帽扳手  
Spanner for ERMS nut  
  
P118

拉钉  
PULL STUDS  
  
P119-122

棒柱  
BT-NT ADAPTER  
  
P123

光电式巡边器  
ELECTRONIC EDGE FINDER  
  
P123

偏心式巡边器  
MECHANICAL EDGE FINDER  
  
P123

BT检验棒  
BT Test Bar  
  
P91

HSK检验棒  
HSK Test Bar  
  
P91

BT带软柄的切断刀柄  
BT BIANK TOOLHOLDER WITH SOFT SHANK  
  
P92

CAT带软柄的切断刀柄  
CAT BIANK TOOLHOLDER WITH SOFT SHANK  
  
P93

HSK带软柄的切断刀柄  
HSK BIANK TOOLHOLDER WITH SOFT SHANK  
  
P94

BT&CAT锁刀座  
TOOL LOCKING DEVICE FOR BT & CAT  
  
P124

HSK滚针式锁刀座  
HSK LOCK CUTTER BASE WITH BEARING PIN  
  
P124

ER 夹阻支架  
ER COLLET PACKS  
  
P125

刀具车  
TOOL TROLLEY  
  
P125

NBH2084精密微调镗头  
BORING HEAD-NBH2084  
  
P126

SK筒夹  
SK COLLET  
  
P96

ER弹性筒夹  
ER COLLET  
  
P97-98

ER止水筒夹  
ER COOLANT COLLET  
  
P99-100

ER 弹性筒夹套装  
ER SPRING COLLET SET  
  
P101

ERG 攻丝夹头  
ERG TAP COLLET  
  
P102

NBH2084镗头柄  
BORING HEAD SHANK FOR NBH2084  
  
P127

NBH2084镗头套装  
BORING HEAD SET-NBH2084  
  
P127

精密微调镗头  
BORING HEAD  
  
P128

微调镗头柄  
BORING HEAD SHANK  
  
P129

镗孔头套装  
BORING HEAD SETS  
  
P130

TG弹性筒夹  
TG COLLETS  
  
P103

DA弹性筒夹  
DA COLLETS  
  
P104

TG/DA筒夹套装  
TG/DA COLLET SET  
  
P105

E0C/OZ筒夹  
E0C/OZ COLLET  
  
P106

强力筒夹  
COLLETS  
  
P107

油路刀套  
REDUCING SLEEVE  
  
P131

R8 筒夹  
R8 COLLETS  
  
P107

5C筒夹  
5C ROUND COLLET  
  
P108

5C方孔筒夹&套装  
5C COLLET&SET  
  
P109

5C四六方套  
5C COLLET BLOCK SET  
  
P109

5C精密圆夹头套装  
5C PRECISION ROUND COLLET SET  
  
P110

攻丝夹头系列  
Tapping Chuck  
  
P133

攻丝刀柄  
TAPPING CHUCKS  
  
P133

MT 攻丝刀柄  
MT TAPPING CHUCKS  
  
P134

HSK 攻丝刀柄  
HSK TAPPING CHUCKS  
  
P134

CAT 攻丝刀柄  
CAT TAPPING CHUCKS  
  
P135

R8精密圆夹头套装  
R8 PRECISION ROUND COLLET SET  
  
P111

5C夹具  
5C COLLET CHUCK(PLAIN BACK)  
  
P112

ER压帽  
ER NUTS  
  
P113

ER无风阻压帽  
ER NON WIND RESIS-TANCE NUT  
  
P114

TG压帽  
TG NUTS  
  
P114

SK 攻丝刀柄  
SK TAPPING CHUCKS  
  
P135

攻丝夹头(扭力型)  
TAPPING COLLET WITH OVERLOAD CLUTCH  
  
P136-141

快换式连接套  
QUICK CHANGE CONNECTION SLEEVE  
  
P142

快换式攻丝夹头套装  
QUICK CHANGE TAPPING COLLET SET  
  
P143

攻丝夹头套装  
TAPPING CHUCK SET  
  
P143

SK压帽  
SK NUTS  
  
P114

E0C压帽  
E0C NUTS  
  
P114

ER 扳手  
ER SPANNER  
  
P115

SK扳手  
SK SPANNER  
  
P116

扭矩扳手  
TORQUE WRENCH  
  
P116

JSN型可逆式丝锥夹头系列  
SERIES JSN REVERSIBLE TAPPING CHUCK  
  
P144

JSN型可逆柔性夹头  
RUBBER FLEX COLLETS  
  
P144

多用快换套装夹头  
QUICK-CHANGE TAP CHUCK  
  
P145

刚性伸缩浮动攻丝夹头刀柄  
ER FLOATING TAP COLLET CHUCK  
  
P145

拨环  
Drive Bing  
  
P117

扳手  
SPANNERS  
  
P117

螺栓  
Cross Screw  
  
P117

MS型ER小径高速压帽  
ER HIGH SPEED NUT with smaller outer diameter  
  
P118

ISO拉钉  
Pull stud type ISO  
  
P118

活塞式快换刀架套装  
QUICK CHANGE TOOL POST SET  
  
P146

楔式快换刀架套装  
QUICK CHANGE TOOL POST SET  
  
P146

活塞式夹紧刀架  
QUICK CHANGE TOOL POST(PISTON STYLE)  
  
P147

楔式快换刀架  
QUICK CHANGE TOOL POST(WEDGE STYLE)  
  
P147

车削刀架  
TURNING AND FACING HOLDER  
  
P148



车镗削刀夹  
TURNING BORING AND FACING  
HOLDER  
**P148**

强力镗削刀夹  
HEAVY DUTY BORING BAR  
HOLDER  
**P149**

切断刀夹  
UNIVERSAL PARTING BLADE  
TOOL HOLDER  
**P149**

钻削莫氏锥孔刀夹  
MORSE TAPER HOLDER  
FOR DRING  
**P150**

滚花车削刀夹  
KNURLING, TURNING AND  
FACING HOLDER  
**P150**

BT/ER套装铣夹头  
BT/ER COLLET CHUCK SET  
**P151**

NT/ER铣夹头套装  
NT/ER MILLING CHUCK SET  
**P152**

MT/ER铣夹头套装  
MT/ER MILLING CHUCK SET  
**P153**

BT/SC强力铣夹头套装  
BT/SC MILLING CHUCK SET  
**P154**

NT/SC强力铣夹头套装  
NT/SC MILLING CHUCK SET  
**P155**

OZ铣夹头套装  
OZ MILLING CHUCK SET  
**P156**

B:分度头  
**P157-172**

立卧两用回转工作盘  
HORIZONTAL AND VERTICAL  
ROTARY TABLE  
**P158-159**

立卧两用强力型快速分度盘  
HORIZONTAL AND VERTICAL  
SUPER INDEXING SPACER  
**P160**

简易型立卧快速分度盘  
SIMPLE HORIZONTAL AND  
VERTICAL INDEXING SPACER  
**P161**

F11系列万能分度头  
F11 SERIE UNIVERSAL DIVIDING  
HEAD  
**P162-163**

TS...A系列回转工作台  
TS...A SERIE ROTARY TABLE  
**P164**

可倾回转工作台  
TILING ROTARY TABLES  
**P165**

万能分度头  
UNIVERSAL CENTER DIVIDING  
HEAD  
**P166-168**

数控分度头  
NC DIVIDING HEAD  
**P169**

蜂巢板  
DIVIDING PLATES  
**P170**

法兰盘  
FLANGE  
**P170**

可调尾座  
TAIL STOCK  
**P171**

液压倍力尾座  
TAIL STOCK  
**P172**

标准中负荷回转顶尖  
MEDIUM LIVE CENTER  
**P173-181**

标准中负荷回转顶尖  
MEDIUM LIVE CENTER  
**P173**

标准中负荷回转顶尖  
MEDIUM LIVE CENTER  
**P173**

轻型外旋回转顶尖  
LIGHT-DUTY LIVE CENTER  
**P174**

重型外旋回转顶尖  
HEAVY-DUTY LIVE CENTER  
**P174**

精密高速回转顶尖  
HIGH-SPEED WATER-PROOF  
TYPE  
**P175**

精密重负荷回转顶尖  
PRECISION CNC HEAVY-DUTY  
LIVE CENTER  
**P175**

大载荷精密回转顶尖  
NCR TYPE LIVE CENTER  
**P176**

重负荷回转顶尖(3-5吨)  
HIGH-LOAD TYPE(3-5T)  
**P176**

可互换式回转顶尖  
LIVE CENTER WITH  
INTERCHANGEABLE INSERTS  
**P177**

多功能外旋式回转顶尖组合  
ROLLING TYPE LIVE CENTER SET  
**P178**

超重负荷回转顶尖(10-15吨)  
SUPER-LOAD TYPE(10-15T)  
**P179**

伞形顶尖  
BULL NOSE CENTER  
**P180**

加大合金固定顶尖  
OVERSIZED CARBIDE POINT  
DEAD CENTER  
**P180**

固定顶尖  
DEAD CENTER  
**P181**

半缺顶尖  
HALF-NOTCHED CENTER  
**P181**

D:平口钳  
**P182-194**

MC 油压角固式虎钳  
MC HYDRAULIC & ANGLE  
LOCK VISE  
**P182**

MC 机械倍力虎钳  
MC MECHANICAL (UIVERSAL)  
POWER VISE  
**P183**

高精度角固式平口钳  
LOCK-TIGHT PRECISION  
MACHINE VISE  
**P184**

角固式等高精密平口钳  
HIGH LOCK-TIGHT PRECISION  
MACHINE VISE  
**P185**

底座  
SWIVEL BASE  
**P185**

QM系列平口钳  
QM SERIES MACHINE VISE  
**P186**

QMN系列平口钳  
QMN SERIES MACHINE VISE  
**P186**

Q12系列平口钳  
Q12 SERIES MACHINE VISE  
**P187**

Q13系列平口钳  
Q13 SERIES MACHINE VISE  
**P187**

Q41系列平口钳  
Q41 SERIES MACHINE VISE  
**P188**

万向回转平口钳  
UNIVERSAL VISE  
**P188**

精密万向回转平口钳  
PRECISION UNIVERSAL VISE  
**P188**

QGG系列精密工具平口钳  
QGG PRECISION MACHINE VISE  
**P189**

QKG系列精密工具平口钳  
QKG PRECISION MACHINE VISE  
**P190**

导杆式精密平口钳  
STANDARD DRILL PRESS VISE  
**P191**

导杆式精密角度钳  
ANGLE VISE  
**P191**

组合压板  
CLAMPING KIT  
**P192**

精密公英制平行块系列  
METRIC PRECISION PARALLEL SETS  
**P193-194**

E:卡盘  
**P196-199**

K11-三爪自定心卡盘  
THREE-JAW SELF-CENTRING  
CHUCKS  
**P197**

K12-四爪自定心卡盘  
FOUR-JAW SELF-CENTRING  
CHUCK  
**P198**

K72-四爪单动卡盘  
FOUR-JAW INDEPENDENT  
CHUCK  
**P199**

F:钻夹头  
**P200-220**

高精度工业级钻夹头  
INDUSTRIAL QUALITY DRILL  
CHUCK  
**P200**

标准型钻夹头  
KEY DRILL CHUCK  
**P201**

耐用型钻夹头  
KEY DRILL CHUCK  
**P202**

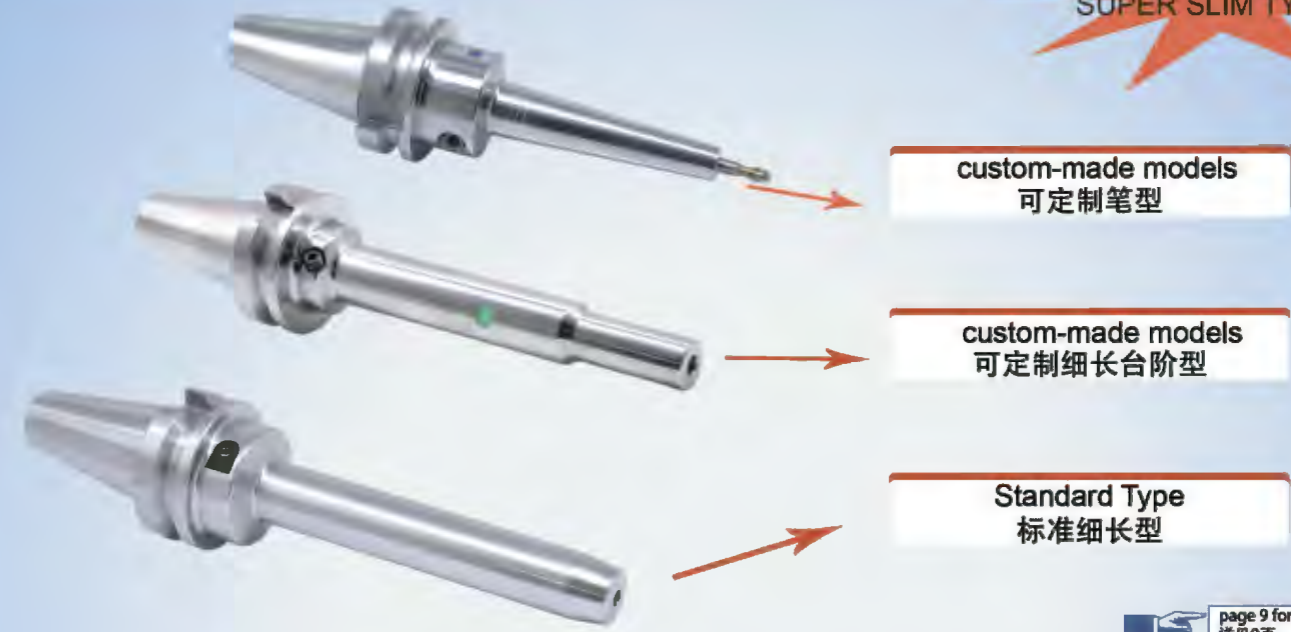
德国款式钻夹头  
KEY DRILL CHUCK  
**P203**



|   |   |  |  |   |
|---|---|--|--|---|
| 韩国款式钻夹头<br>KEY DRILL CHUCK<br>P204                      | LPM台湾款式钻夹头<br>KEY DRILL CHUCK<br>P205                 | 重型自紧钻夹头<br>HEAVY-DUTY KEYLESS DRILL CHUCK<br>P206  | 重型自紧钻夹头<br>HEAVY-DUTY KEYLESS DRILL CHUCK<br>P207        | 轻型自紧钻夹头<br>LIGHT-DUTY KEYLESS DRILL CHUCK<br>P208   |
| 蓝钻标准钻夹头<br>KEY DRILL CHUCK<br>P209                      | 蓝钻紧凑钻夹头<br>KEY DRILL CHUCK<br>P210                    | 轻型钻夹头<br>LIGHT-DUTY KEY DRILLCHUCK<br>P211         | 蓝钻重型自紧钻夹头<br>HEAVY-DUTY KEYLESS DRILL CHUCKS<br>P212     | 蓝钻轻型自紧钻夹头<br>LIGHT-DUTY KEYLESS DRILL CHUCK<br>P213 |
| 高精度自紧钻夹头<br>HIGH PRECISION KEYLESS DRILL CHUCKS<br>P214 | 莫氏锥度钻接杆<br>MORSE TAPER DRILL CHUCK ARBORS<br>P215-216 | 直柄钻接杆<br>STRAIGHT SHANK DRILL CHUCK ARBORS<br>P217 | 直柄/R8钻接杆<br>STRAIGHT/R8 SHANK DRILL CHUCK ARBORS<br>P218 | 莫氏锥度变径套<br>MORSE TAPER REDUCING SLEEVES<br>P219     |
| 加长变径套<br>LENGTHENED REDUCING SLEEVES<br>P219            | 莫氏中间套<br>MORSE MODDLE SLEEVES<br>P220                 | 顶尖套<br>MORSE CENTER SLEEVES<br>P220                |  |   |

**CNCJieHe**  
液压刀柄  
POWER HYDRO CHUCK

**细长型**  
SUPER SLIM TYPE



page 9 for details  
详见9页

最大限度的减少工件干涉的细长设计

These slim tools are optimized for eliminating workpiece interference in tight spaces.

减振,防振,切削面完美  
High anti-vibration effect provides better surface

细长型适用于深腔加工  
Slim type for deep cavities processing

BT40加工中心  
BT40 Machining Center



夹持刀具简单, 迅速!  
Easy!Quick!Simple Clamping!

高转速  
G2.5 30000rpm

高精度  
3μm

夹持孔径  
ø6mm ~ ø20mm



深腔加工,  
高转速, 高精度  
Machine deep cavities,  
High speed,high precision



支持立铣刀,  
硬质合金钻头,  
抛光铰刀加工等, 夹持直径  
丰富, 刀柄外形多样。  
For machine with endmills,  
carbide drills and burnishing  
reamers. more clamping  
diameters and the slim type  
has various shapes.



**磨刀机专用**  
 Grinding Holder



用于刀具刃磨和磨床  
 Used tool sharpening and grinding machine

刀柄可夹变径套，便于夹持各种直径的刀杆  
 Flexibility in clamping range, use of reducing sleeves possible.

换刀快捷!  
 Easy handing and tool change!

夹紧力大  
 High clamping force

高精度  
 3 $\mu$ m

减轻震动  
 Vibration dampening

With the combination of extreme high precision and easy handling and tool change a massive improvement in productivity can be reached. Quicker set-up times and improved repeat accuracy during sharpening of tools will save you time and money. The possibility to use reduction sleeves in the hydraulic holder also increases your flexibility.

这款刀柄集超高精度，换刀简便的优点于一身，能极大地提升生产效率。使用它，可以缩短刀具修磨的调机时间，提高重复定位精度，从而省时省钱。再刀柄内放置各种规格的变径套，从而满足磨削各种规格刀具的需要。

**自紧式钻夹头**  
 DRILL CHUCK HOLDER

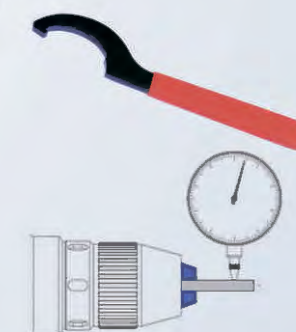


用于CNC加工中心  
 For CNC machining centers

所有零件都经过特殊工艺，高精度加工，可互换性能强，重复精度稳定。  
 All parts are processed by special technology with high precision, strong interchangeability and stable repeatable clamping accuracy

超高精度自紧夹头系列:

1. 锥孔系列
2. 短锥系列
3. APU 锥柄系列: 有 BT、NBT、HSK、SK (DIN 69871)、CAT、MT、等
1. taper holes series,
2. short-taper series
2. shank type for BT、HSK、SK (DIN 69871)、CAT、MT.



高精度  
 < 0.06mm





攻丝夹头  
TAPPING COLLET



过载保护, 高精度, 高感度, 可调扭矩, 反应灵敏  
Overload protection, high precision, high sensitivity.



顺时针转矩增大,  
逆时针转矩减小,  
转矩可以通过扳手轻松调节。

Clockwise torque increases,  
counterclockwise torque decreases,  
torque can be easily adjusted through a wrench.



应用广泛!  
great universality!

可以调节扭矩  
small adjustments can be  
made to tapping collet torque

高精度  
high precision

可以配置连接套  
adapter sleeve

page 136 for details  
详见136页



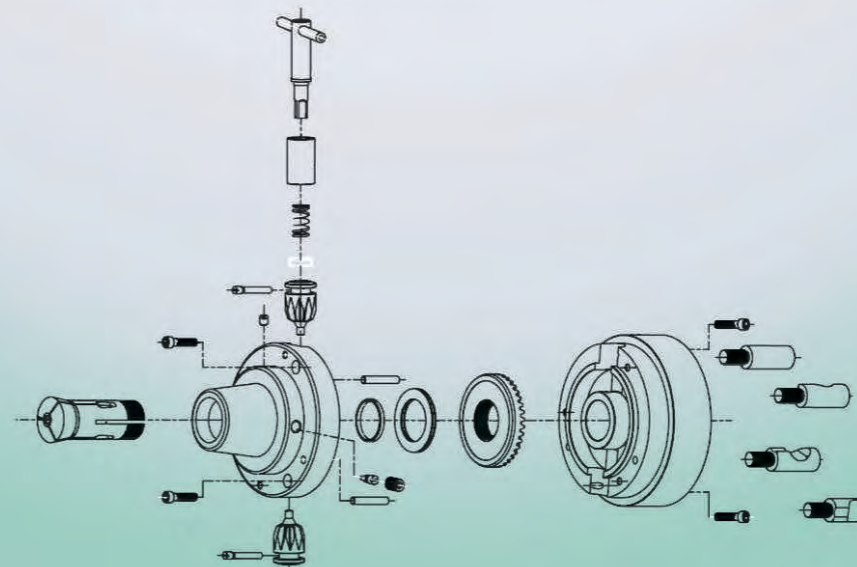
5C collet chuck



精度在0.015mm以内,  
最大转速6000 R.P.M  
Precision 0.015mm, Max 6000 R.P.M

该装置与5C夹头配合, 可夹持不同直径的刀具或者工件,  
可安装在车床, 磨床和其他专用设备上, 具有精度高,  
操作方便, 使用安全, 夹紧牢固的优点。

5C collet is fit for this device, which can clamp tool or workpiece  
with different diameter and figure. It can be fixed on lathe, grinder and  
other special equipment, with such features as high precision, easy operation,  
safe application, The clamping force is stable.

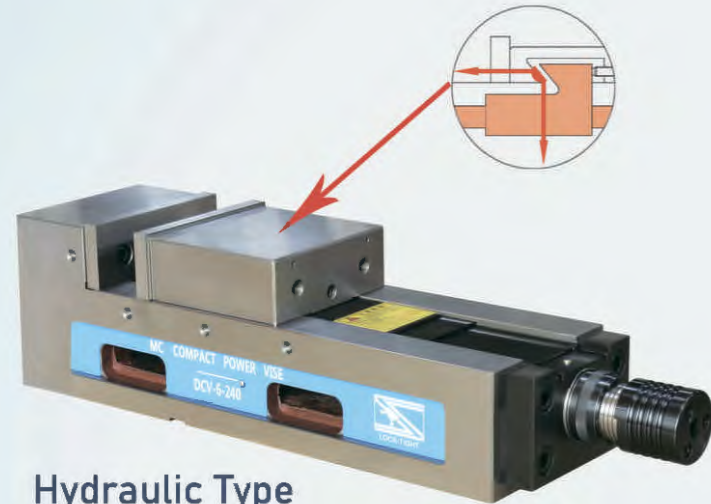


page 112 for details  
详见112页





液压虎钳/倍力虎钳  
MC HYDRAULIC & ANGLE LOCK VISE  
MC MECHANICAL(UIVERSAL) POWER VISE

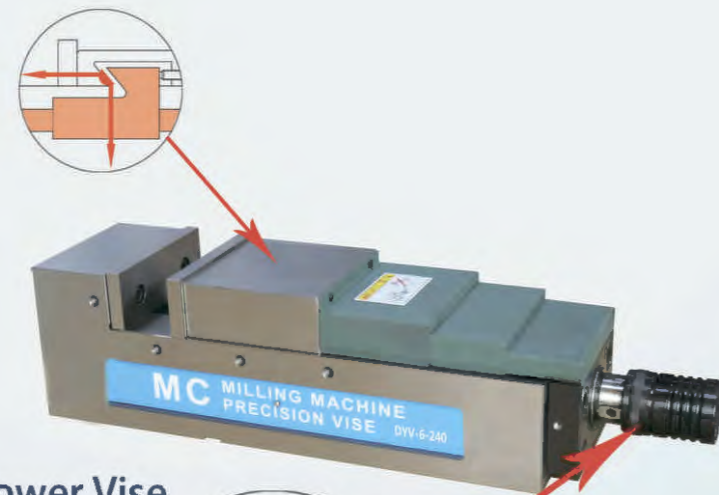


Hydraulic Type  
Heavy Duty Design

MC 油压角固式虎钳  
MC Hydraulic & Angle Lock Vise

Each pound of force horizontally  
includes 1/2 pound of force vertically

page 182 for details  
详见182页



MC 机械倍力虎钳  
MC Mechanical(Uiversal) Power Vise

Each pound of force horizontally  
includes 1/2 pound of force vertically

page 183 for details  
详见183页

## 机加工生产线 Machining production line







高精度液压刀柄系列

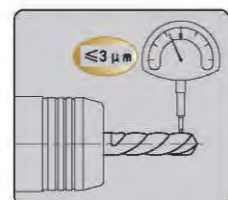
HIGH PRECISION HYDRAULIC CHUCK SYSTEM

- 刀具使用寿命可提升3倍，减少更换刀具，加工尺寸更稳定
- 表面光洁度好，无振纹
- 噪音低，可以保持机床主轴良好的精度与寿命
- 动态旋转精度保持在0.003mm以内

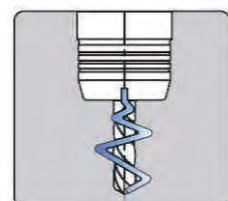


终极解决方案

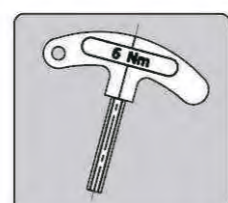
- 适用于所有切削工具
- 适用于铣（粗铣、精铣）、钻、铰及攻丝等所有应用



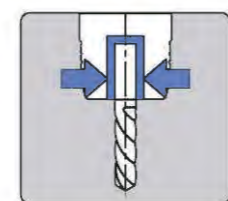
High runout accuracy, less than 0.003mm  
超高精度，精度小于0.003mm



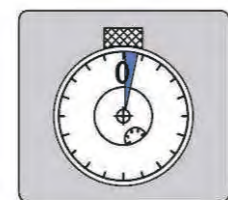
Vibration damping  
超高减震性能



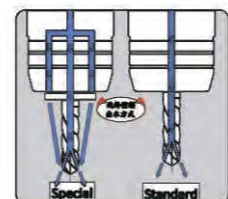
Easy mounting with torque wrench  
使用6Nm的扭紧力，可以轻松安装及操作。



High clamping force, the torque reaches 2000Nm  
夹持力大，扭矩高达2000Nm



Fast set-up time  
快速换刀，无需辅助装置



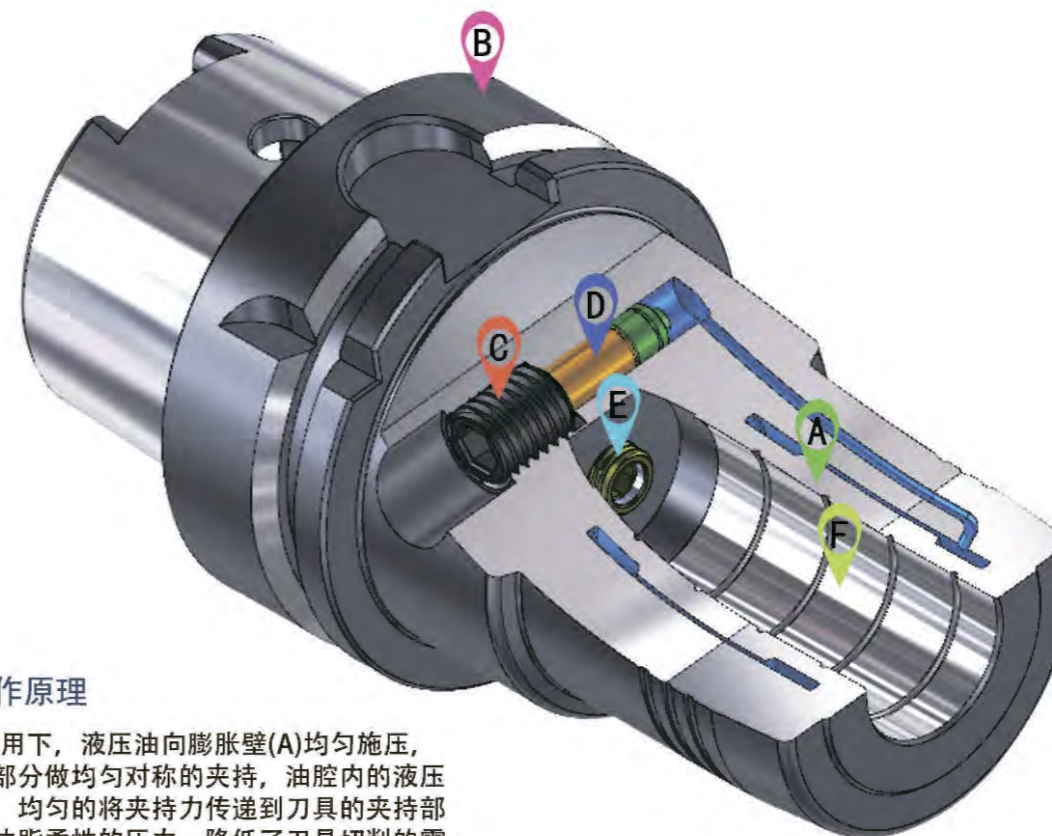
Two type of cooling  
两种冷却方式

(图片概念设计，仿冒必究)



高精度液压刀柄 夹持原理

HIGH PRECISION HYDRAULIC CHUCK SYSTEM



A. 液压刀柄工作原理

在油缸(D)的作用下，液压油向膨胀壁(A)均匀施压，膨胀壁对夹持部分做均匀对称的夹持，油腔内的液压油通过夹持壁，均匀的将夹持力传递到刀具的夹持部位，由于中间油脂柔性的压力，降低了刀具切削的震动，减少了对刀具边缘的磨损，可延长刀具40%的使用寿命，使加工零件的尺寸更加稳定，也能有效的保护机床主轴的精度和使用寿命。  
The expansion sleeve expands against the tool shank. This clamping process first centers the tool shank before fully clamping it over the whole surface. The chamber system fills TH with hydraulic fluid, exerting a damping effect on the clam-eped tool. Wear on the cutting edge of the tool is minimized, service life is increased by up to 40%.

B. 刀柄体连接型号 The toolholder body

刀柄连接型号包含HSK/BBT/BT/CAT/SK等等  
The toolholder body includes the machine interface, e.g. HSKSK, JIS-BT, CAT, etc.

C. 加压螺栓 The actuation screw

用扳手旋转加压螺栓，带动活塞移动，直至拧紧。  
The actuation piston is moved with the actuation screw and tightened to a dead stop without a torque wrench

D. 驱动活塞 The actuation piston

驱动活塞压缩液压油，提高油腔内的油压。  
The actuation piston compresses the hydraulic fluid into the chamber system.

E. 长度调节螺钉 The length adjustment screw

可以快速，方便的调节刀具长度。  
For fast and easy presetting.

F. 环槽 The groove

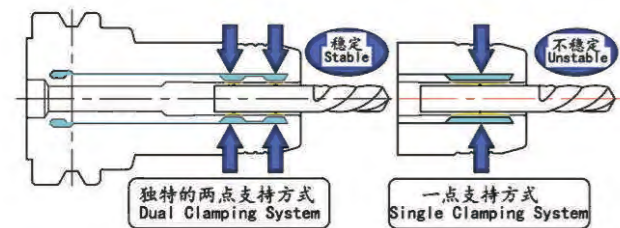
装夹孔内壁和被夹刀具之间产生的巨大压力将油，油脂等润滑物的残余部分排挤到环槽内，保持了装夹孔壁的清和干燥。  
The enormous clamping pressure of the TENDO hydraulic expansion toolholder creates a displacement of oil, grease, or lubricant residues into the groove causing surfaces to remain dry.



# 液压刀柄系列 HYDRAULIC CHUCK SYSTEM extend cutter life to be 300%



- 液压刀柄独特的内部结构，具有精度高刚性强等独特的优点，零部件精确定位、锁紧一气呵成
- For heavy machining
- Extreme high clamping force
- Easy handling
- Rigid design

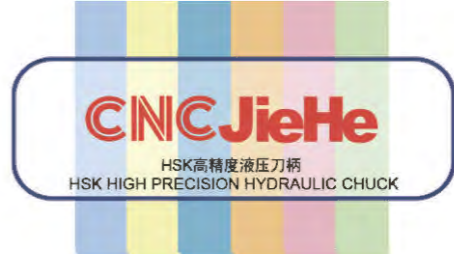
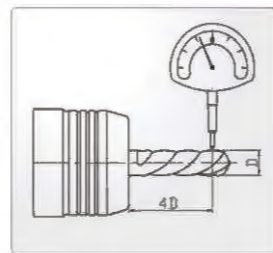


- 独特的两点支持方式，使精度更稳定
- "Dual clamping points system" for stable and high precision clamping

- 液压刀柄在4倍直径的跳动精度在 $3\mu\text{m}$ 以下
- 刀柄跳动小，加工表面质量越好，同时还能延长刀具的使用寿命。
- Runout tolerance within 3 micron at 4xD diameters position
- Minimum tool runout ensures good surfaces and extend tool life



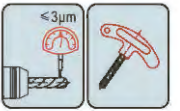
- 装入刀具后仅一个T型扳手使用6/10NM的拧紧力就可以轻松锁紧、拆卸
- Easy handling and tool change with a force 6/10NM



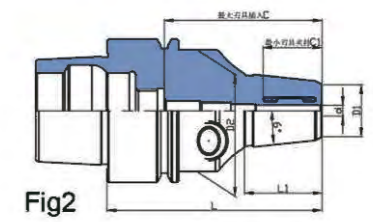
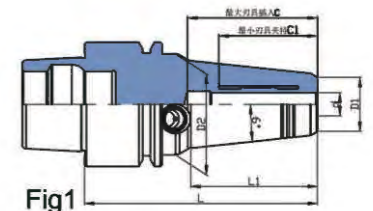
## HSK高精度液压刀柄

A011010-A011210 订单号 Order NO.

HSK HIGH PRECISION HYDRAULIC CHUCK (DIN 69893)



- 小孔设计，适用于微钻加工，市场稀缺。 Design of small aperture
- 口罩熔喷布的小孔加工神器。 Smart tool for processing of face mask meltblown



在放大镜下，夹持3mm的网红小钻头。 Under a magnifying glass, clamping a 3 mm drill bit

| Order No  | Type            | Fig. | Φd | ΦD1 | ΦD2 | L  | L1 | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|-----------|-----------------|------|----|-----|-----|----|----|---------------------|--------------------|----------|-------|
| ▲ A011010 | HSK32E-PHC03-55 | 1    | 3  | 15  | 26  | 55 | 28 | 16                  | 28                 | 0.38     |       |
| ▲ A011011 | HSK32E-PHC04-60 | 1    | 4  | 15  | 26  | 60 | 33 | 19                  | 30                 | 0.34     |       |
| ▲ A011012 | HSK32E-PHC06-60 | 1    | 6  | 15  | 26  | 60 | 33 | 25                  | 33.5               | 0.35     |       |
| ○ A011110 | HSK40E-PHC03-60 | 2    | 3  | 15  | 34  | 60 | 21 | 16                  | 33.5               | 0.36     |       |
| ● A011111 | HSK40E-PHC04-60 | 2    | 4  | 15  | 34  | 60 | 21 | 19                  | —                  | 0.36     |       |
| ● A011210 | HSK50E-PHC03-65 | 2    | 3  | 15  | 37  | 65 | 19 | 16                  | —                  | 0.7      |       |

### 注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank (ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.





## HSK高精度液压刀柄

A011112-A011225 订单号Order NO.

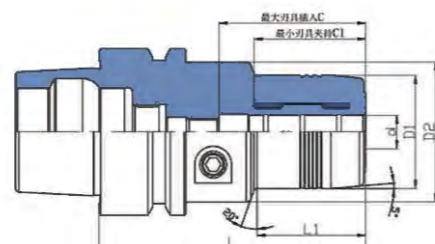
HSK HIGH PRECISION HYDRAULIC CHUCK  
(DIN 69893)



HSK32E-40E-50E系列, 轻巧, 精度高。  
小型加工中心上强力推荐。

HSK32E-40E-50E Series, Ultra-compact  
and high precision.

Hydraulic chuck suitable for small  
machining centers.



| Order No  | Type             | $\Phi d$ | $\Phi D1$ | $\Phi D2$ | L   | L1   | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|-----------|------------------|----------|-----------|-----------|-----|------|---------------------|--------------------|----------|-------|
| ● A011112 | HSK40E-PHC06-70  | 6        | 28        | 34        | 70  | 33   | 28                  | 37                 | 0.46     |       |
| ● A011113 | HSK40E-PHC08-70  | 8        | 30        | 34        | 70  | 34   | 28                  | 37                 | 0.48     |       |
| ● A011114 | HSK40E-PHC10-75  | 10       | 32        | 34        | 75  | 39   | 33                  | 44                 | 0.51     |       |
| ● A011115 | HSK40E-PHC12-80  | 12       | 34        | 34        | 80  | —    | 36                  | 50                 | 0.53     |       |
| ● A011211 | HSK50E-PHC06-70  | 6        | 30        | 42        | 70  | 25.5 | 28                  | 37                 | 0.7      |       |
| ● A011212 | HSK50E-PHC08-70  | 8        | 32        | 42        | 70  | 26   | 28                  | 37                 | 0.71     |       |
| ● A011213 | HSK50E-PHC10-80  | 10       | 34        | 42        | 80  | 32.6 | 33                  | 44                 | 0.72     |       |
| ● A011214 | HSK50E-PHC12-85  | 12       | 36        | 42        | 85  | 40   | 36                  | 50                 | 0.85     |       |
| ● A011215 | HSK50E-PHC16-90  | 16       | 40        | 42        | 90  | 43   | 42                  | 52                 | 0.91     |       |
| ● A011216 | HSK50E-PHC20-90  | 20       | 42        | 42        | 90  | —    | 39                  | 52                 | 0.91     |       |
| ● A011217 | HSK50E-PHC20-120 | 20       | 42        | 42        | 120 | —    | 39                  | 52                 | 1.05     |       |
| ○ A011218 | HSK50A-PHC05-65  | 5        | 28        | 42        | 70  | 28   | 28                  | 34                 | —        |       |
| ○ A011219 | HSK50A-PHC06-70  | 6        | 30        | 42        | 70  | 28   | 28                  | 34                 | —        |       |
| ○ A011220 | HSK50A-PHC08-70  | 8        | 32        | 42        | 70  | 28   | 28                  | 34                 | —        |       |
| ● A011221 | HSK50A-PHC10-80  | 10       | 34        | 42        | 80  | 35   | 33                  | 44                 | 0.77     |       |
| ● A011222 | HSK50A-PHC12-85  | 12       | 36        | 42        | 85  | 42   | 35                  | 50                 | 0.93     |       |
| ● A011223 | HSK50A-PHC16-90  | 16       | 40        | 42        | 90  | 45   | 37                  | 51                 | 0.98     |       |
| ○ A011224 | HSK50A-PHC18-90  | 18       | 42        | 42        | 90  | —    | 38                  | 51                 | —        |       |
| ● A011225 | HSK50A-PHC20-90  | 20       | 42        | 42        | 90  | —    | 40                  | 51                 | 1.05     |       |

### 注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank (ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.



- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request



## HSK高精度液压刀柄

A011310-A011420 订单号Order NO.

HSK HIGH PRECISION HYDRAULIC CHUCK  
(DIN 69893)

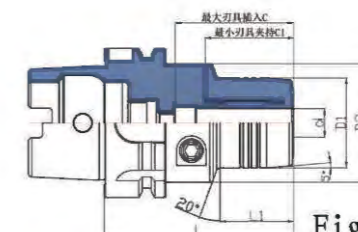
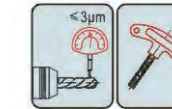


Fig1

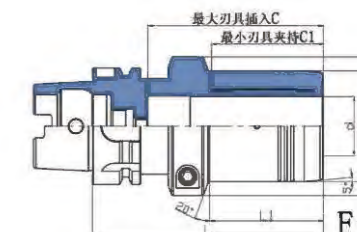


Fig2

| Order No  | Type               | Fig. | $\Phi d$ | $\Phi D1$ | $\Phi D2$ | L   | L1   | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|-----------|--------------------|------|----------|-----------|-----------|-----|------|---------------------|--------------------|----------|-------|
| ● A011310 | HSK63A-PHC03-65    | 1    | 3        | 25        | 46        | 65  | 19   | 18                  | —                  | 0.91     |       |
| ● A011311 | HSK63A-PHC3.175-65 | 1    | 3.175    | 25        | 46        | 65  | 19   | 18                  | —                  | 0.91     |       |
| ● A011312 | HSK63A-PHC06-80    | 1    | 6        | 32        | 48        | 80  | 32   | 29                  | 46                 | 1.08     |       |
| ● A011313 | HSK63A-PHC08-80    | 1    | 8        | 34        | 50        | 80  | 32   | 30                  | 46                 | 1.13     |       |
| ● A011314 | HSK63A-PHC10-80    | 1    | 10       | 36        | 52.5      | 80  | 32   | 31                  | 50                 | 1.17     |       |
| ● A011315 | HSK63A-PHC12-80    | 1    | 12       | 38        | 52.5      | 80  | 32   | 32                  | 50                 | 1.2      |       |
| ● A011316 | HSK63A-PHC16-90    | 1    | 16       | 42        | 52.5      | 90  | 41   | 40                  | 60                 | 1.3      |       |
| ● A011317 | HSK63A-PHC20-90    | 1    | 20       | 46        | 52.5      | 90  | 41   | 40                  | 60                 | 1.35     |       |
| ● A011318 | HSK63A-PHC25-120   | 2    | 25       | 53        | 63        | 120 | 55.5 | 49                  | 85                 | 1.98     |       |
| ● A011319 | HSK63A-PHC32-125   | 2    | 32       | 60        | 75        | 125 | 60.5 | 61                  | 95                 | 2.29     |       |
| ● A011406 | HSK100A-PHC06-85   | 1    | 6        | 32        | 50        | 85  | 30   | 29                  | 45                 | 2.46     |       |
| ○ A011407 | HSK100A-PHC06-150  | 1    | 8        | 32        | 50        | 150 | 30   | 29                  | 45                 | 2.82     |       |
| ● A011408 | HSK100A-PHC08-85   | 1    | 8        | 34        | 50        | 85  | 30   | 30                  | 45                 | 2.48     |       |
| ○ A011409 | HSK100A-PHC08-150  | 1    | 8        | 34        | 50        | 150 | 30   | 30                  | 45                 | 2.95     |       |
| ● A011410 | HSK100A-PHC10-90   | 1    | 10       | 36        | 52        | 90  | 34   | 36                  | 50                 | 2.6      |       |
| ○ A011417 | HSK100A-PHC10-150  | 1    | 10       | 36        | 52        | 150 | 34   | 36                  | 50                 | 3.25     |       |
| ● A011411 | HSK100A-PHC12-95   | 1    | 12       | 38        | 52        | 95  | 38   | 38                  | 50                 | 2.64     |       |
| ○ A011418 | HSK100A-PHC12-150  | 1    | 12       | 38        | 52        | 150 | 38   | 38                  | 50                 | 3.57     |       |
| ● A011412 | HSK100A-PHC16-100  | 1    | 16       | 42        | 58        | 100 | 40   | 43                  | 54                 | 2.86     |       |
| ○ A011419 | HSK100A-PHC16-150  | 1    | 16       | 42        | 58        | 150 | 40   | 43                  | 54                 | 3.7      |       |
| ● A011420 | HSK100A-PHC18-105  | 1    | 18       | 42        | 58        | 105 | 30   | 44                  | 50                 | 3        |       |
| ● A011413 | HSK100A-PHC20-105  | 1    | 20       | 46        | 60        | 105 | 45   | 40                  | 53                 | 3.01     |       |
| ○ A011414 | HSK100A-PHC20-150  | 1    | 20       | 46        | 60        | 150 | 45   | 40                  | 53                 | 3.73     |       |
| ● A011415 | HSK100A-PHC25-110  | 1    | 25       | 53        | 63        | 110 | 55.5 | 49                  | 72                 | 3.18     |       |
| ● A011416 | HSK100A-PHC32-110  | 1    | 32       | 62        | 75        | 110 | 55.5 | 54                  | 72                 | 3.59     |       |

### 注意 Caution

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- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.



- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request





## BBT/BT高精度液压刀柄

A011510-A011524 订单号 Order NO.

BBT/BT HIGH PRECISION HYDRAULIC CHUCK  
(JIS B 6339)

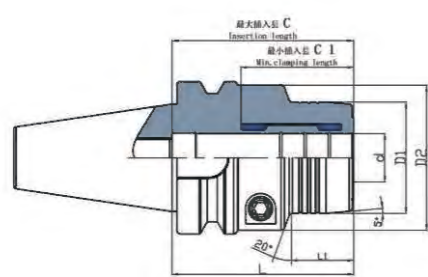
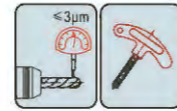


Fig1

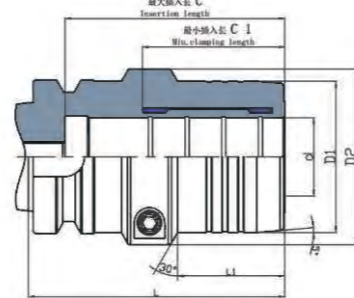


Fig2

| Order No  | Type             | Fig. | $\Phi d$ | $\Phi D1$ | $\Phi D2$ | L   | L1 | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|-----------|------------------|------|----------|-----------|-----------|-----|----|---------------------|--------------------|----------|-------|
| ● A011510 | BT30-PHC03-60    | 1    | 3        | 25        | 46        | 60  | 19 | 18                  | —                  | 0.64     |       |
| ○ A011511 | BT30-PHC3.175-60 | 1    | 3.175    | 25        | 46        | 60  | 19 | 18                  | —                  | 0.64     |       |
| ● A011512 | BT30-PHC04-65    | 1    | 4        | 26        | 46        | 65  | 24 | 23                  | —                  | 0.66     |       |
| ● A011513 | BT30-PHC06-75    | 1    | 6        | 30        | 46        | 75  | 26 | 29                  | 42                 | 0.81     |       |
| ● A011514 | BT30-PHC08-75    | 1    | 8        | 32        | 46        | 75  | 24 | 30                  | 42                 | 0.82     |       |
| ● A011515 | BT30-PHC10-75    | 1    | 10       | 34        | 46        | 75  | 24 | 34                  | 50                 | 0.83     |       |
| ● A011516 | BT30-PHC12-75    | 1    | 12       | 36        | 46        | 75  | 25 | 36                  | 50                 | 0.84     |       |
| ● A011521 | BT30-PHC14-90    | 1    | 14       | 38        | 46        | 90  | 40 | 42                  | 50                 | 0.96     |       |
| ● A011517 | BT30-PHC16-90    | 1    | 16       | 40        | 46        | 90  | 33 | 43                  | 52                 | 1        |       |
| ○ A011522 | BT30-PHC16-120   | 1    | 16       | 40        | 46        | 120 | 33 | 43                  | 52                 | 1.43     |       |
| ● A011523 | BT30-PHC18-90    | 1    | 18       | 42        | 46        | 90  | 35 | 40                  | 52                 | 1.00     |       |
| ● A011518 | BT30-PHC20-90    | 1    | 20       | 40        | 46        | 90  | 33 | 36                  | 52                 | 1.07     |       |
| ○ A011524 | BT30-PHC20-120   | 1    | 20       | 40        | 46        | 120 | 33 | 36                  | 52                 | 1.43     |       |
| ● A011519 | BT30-PHC25-105   | 2    | 25       | 55        | 63        | 105 | 46 | 49                  | 80                 | 1.64     |       |
| ● A011520 | BT30-PHC32-105   | 2    | 32       | 60        | 74        | 105 | 47 | 54                  | 80                 | 1.83     |       |

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- Do not clamp without a tool.
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● 可供现货/ in stock  
○ 交货期短/ within a few days  
▲ 可定制/ on request



7



## BBT/BT高精度液压刀柄

A011610-A011635 订单号 Order NO.

BBT/BT HIGH PRECISION HYDRAULIC CHUCK  
(JIS B 6339)

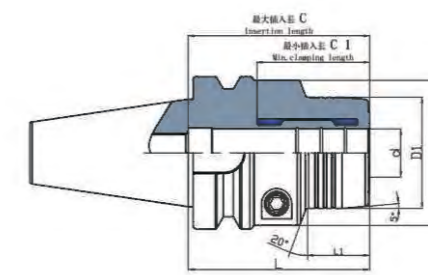
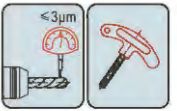


Fig1

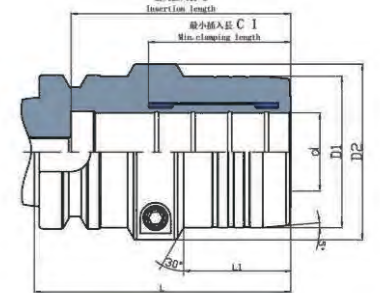


Fig2

| Order No  | Type           | Fig. | $\Phi d$ | $\Phi D1$ | $\Phi D2$ | L   | L1 | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|-----------|----------------|------|----------|-----------|-----------|-----|----|---------------------|--------------------|----------|-------|
| ● A011610 | BT40-PHC04-75  | 1    | 4        | 26        | 46        | 75  | 24 | 23                  | —                  | 1.29     |       |
| ● A011611 | BT40-PHC06-75  | 1    | 6        | 28        | 46        | 75  | 30 | 29                  | 46                 | 1.27     |       |
| ● A011612 | BT40-PHC06-90  | 1    | 6        | 28        | 46        | 90  | 30 | 29                  | 46                 | 1.37     |       |
| ● A011628 | BT40-PHC06-120 | 1    | 6        | 28        | 46        | 120 | 30 | 29                  | 46                 | 1.8      |       |
| ● A011613 | BT40-PHC08-75  | 1    | 8        | 30        | 48        | 75  | 30 | 30                  | 46                 | 1.29     |       |
| ● A011614 | BT40-PHC08-90  | 1    | 8        | 30        | 48        | 90  | 30 | 30                  | 46                 | 1.43     |       |
| ● A011629 | BT40-PHC08-120 | 1    | 8        | 30        | 48        | 120 | 30 | 30                  | 46                 | 1.85     |       |
| ● A011615 | BT40-PHC10-75  | 1    | 10       | 36        | 52        | 75  | 26 | 38                  | 57                 | 1.43     |       |
| ● A011616 | BT40-PHC10-90  | 1    | 10       | 36        | 52        | 90  | 40 | 38                  | 57                 | 1.53     |       |
| ● A011630 | BT40-PHC10-120 | 1    | 10       | 36        | 52        | 120 | 40 | 38                  | 57                 | 1.95     |       |
| ● A011617 | BT40-PHC12-75  | 1    | 12       | 38        | 54        | 75  | 26 | 38                  | 57                 | 1.46     |       |
| ● A011618 | BT40-PHC12-90  | 1    | 12       | 38        | 54        | 90  | 40 | 38                  | 57                 | 1.58     |       |
| ● A011631 | BT40-PHC12-120 | 1    | 12       | 38        | 54        | 120 | 40 | 38                  | 57                 | 2.05     |       |
| ○ A011619 | BT40-PHC14-75  | 1    | 14       | 40        | 56        | 75  | 28 | 42                  | 57                 | 1.5      |       |
| ○ A011632 | BT40-PHC14-90  | 1    | 14       | 40        | 56        | 90  | 40 | 42                  | 57                 | 1.65     |       |
| ● A011620 | BT40-PHC16-75  | 1    | 16       | 42        | 58        | 75  | 26 | 46                  | 75                 | 1.5      |       |
| ● A011621 | BT40-PHC16-90  | 1    | 16       | 42        | 58        | 90  | 40 | 46                  | 75                 | 1.65     |       |
| ● A011633 | BT40-PHC16-120 | 1    | 16       | 42        | 58        | 120 | 40 | 46                  | 75                 | 2.3      |       |
| ○ A011622 | BT40-PHC18-75  | 1    | 18       | 44        | 59        | 75  | 25 | 45                  | 75                 | 1.52     |       |
| ○ A011634 | BT40-PHC18-90  | 1    | 18       | 44        | 59        | 90  | 40 | 45                  | 75                 | 1.62     |       |
| ● A011623 | BT40-PHC20-75  | 1    | 20       | 46        | 60        | 75  | 26 | 46                  | 75                 | 1.52     |       |
| ● A011624 | BT40-PHC20-90  | 1    | 20       | 46        | 60        | 90  | 40 | 46                  | 75                 | 1.7      |       |
| ● A011635 | BT40-PHC20-120 | 1    | 20       | 46        | 60        | 120 | 40 | 46                  | 75                 | 2.32     |       |
| ● A011625 | BT40-PHC20-150 | 1    | 20       | 43        | 50        | 150 | 47 | 40                  | 52.5               | 2.35     |       |
| ● A011626 | BT40-PHC25-105 | 2    | 25       | 52        | 62        | 105 | 55 | 46                  | 80                 | 2        |       |
| ● A011627 | BT40-PHC32-105 | 2    | 32       | 62        | 72        | 105 | 44 | 58                  | 90                 | 2.3      |       |

### 注意 Caution

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● 可供现货/ in stock  
○ 交货期短/ within a few days  
▲ 可定制/ on request



8

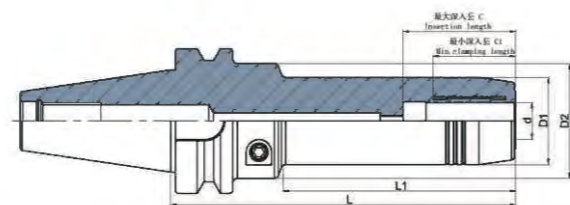




BBT/BT高精度液压刀柄细长型

A011710-A011722 订单号Order NO.

BBT/BT HIGH PRECISION HYDRAULIC CHUCK  
SUPER SLIM (JIS B 6339)



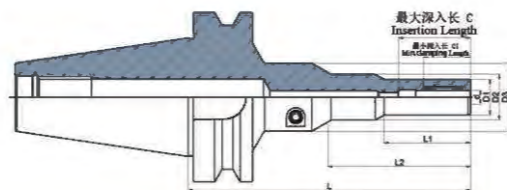
| Order No | Type            | $\Phi d$ | $\Phi D1$ | $\Phi D2$ | L   | L1  | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|----------|-----------------|----------|-----------|-----------|-----|-----|---------------------|--------------------|----------|-------|
| A011710  | BT40-PHC06X-200 | 6        | 26        | 50        | 200 | 150 | 20                  | 37                 | 2.05     |       |
| A011711  | BT40-PHC08X-200 | 8        | 28        | 50        | 200 | 150 | 20                  | 37                 | 2.1      |       |
| A011712  | BT40-PHC10X-200 | 10       | 30        | 50        | 200 | 150 | 24                  | 40                 | 2.18     |       |
| A011713  | BT40-PHC12X-200 | 12       | 32        | 50        | 200 | 150 | 29                  | 45                 | 2.3      |       |
| A011714  | BT40-PHC20X-200 | 20       | 34        | 50        | 200 | 150 | 31                  | 50                 | 2.45     |       |



| Order No | Type            | $\Phi d$ | $\Phi D1$ | $\Phi D2$ | L   | L1 | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|----------|-----------------|----------|-----------|-----------|-----|----|---------------------|--------------------|----------|-------|
| A011715  | BT30-PHC04X-120 | 4        | 26        | 46        | 120 | 70 | 24                  | 35                 | 1.1      |       |
| A011716  | BT30-PHC06X-120 | 6        | 26        | 46        | 120 | 70 | 30                  | 48                 | 1.07     |       |
| A011717  | BT30-PHC08X-120 | 8        | 28        | 46        | 120 | 70 | 31                  | 48                 | 0.9      |       |
| A011718  | BT30-PHC10X-120 | 10       | 30        | 46        | 120 | 70 | 33                  | 50                 | 0.9      |       |
| A011719  | BT40-PHC04X-140 | 4        | 26        | 46        | 140 | 60 | 24                  | 35                 | 2        |       |
| A011720  | BT40-PHC06X-140 | 6        | 26        | 46        | 140 | 60 | 30                  | 48                 | 2.1      |       |
| A011721  | BT40-PHC08X-140 | 8        | 32        | 46        | 140 | 60 | 31                  | 48                 | 2.1      |       |
| A011722  | BT40-PHC10X-140 | 10       | 32        | 46        | 140 | 60 | 33                  | 50                 | 2.2      |       |

A012810-A012813 订单号Order NO.

BBT/BT高精度液压刀柄细长台阶型  
BBT/BT HIGH PRECISION HYDRAULIC CHUCK  
SUPER SLIM(JIS B 6339)



| Order No | Type            | $\Phi d$ | $\Phi D1$ | $\Phi D2$ | $\Phi D3$ | L   | L1 | L2  | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|----------|-----------------|----------|-----------|-----------|-----------|-----|----|-----|---------------------|--------------------|----------|-------|
| A012810  | BT40-PHC08L-200 | 8        | 21        | 27        | 40        | 200 | 50 | 100 | 24                  | 40                 | 1.67     |       |
| A012811  | BT40-PHC10L-200 | 10       | 24        | 29        | 40        | 200 | 50 | 100 | 24                  | 40                 | 1.7      |       |
| A012812  | BT50-PHC08L-330 | 8        | 21        | 27        | 40        | 330 | 50 | 215 | 24                  | 40                 | 5        |       |
| A012813  | BT50-PHC10L-330 | 10       | 24        | 29        | 40        | 330 | 50 | 215 | 24                  | 40                 | 5.02     |       |



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9

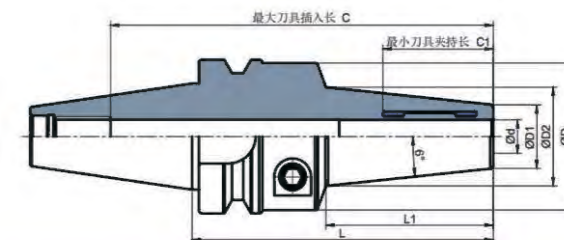
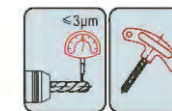
● 可供现货/ in stock  
○ 交货期短/ within a few days  
▲ 可定制/ on request



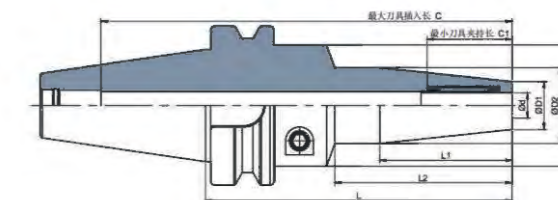
BBT/BT高精度液压刀柄细长型笔形

A012910-A012922 订单号Order NO.

BBT/BT HIGH PRECISION HYDRAULIC CHUCK  
SUPER SLIM LONG (JIS B 6339)



| Order No | Type            | $\Phi d$ | $\Phi D1$ | $\Phi D2$ | $\Phi D$ | L   | L1 | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|----------|-----------------|----------|-----------|-----------|----------|-----|----|---------------------|--------------------|----------|-------|
| A012910  | BT30-PHC04S-90  | 4        | 14        | 25        | 42       | 90  | 50 | 19                  | 113                | 0.66     |       |
| A012911  | BT30-PHC06S-90  | 6        | 14        | 25        | 42       | 90  | 50 | 25                  | 113                | 0.65     |       |
| A012912  | BT30-PHC08S-90  | 8        | 17        | 28        | 42       | 90  | 50 | 31                  | 113                | 0.67     |       |
| A012913  | BT30-PHC10S-90  | 10       | 19        | 30        | 44       | 90  | 50 | 33                  | 113                | 0.7      |       |
| A012914  | BT30-PHC12S-90  | 12       | 21        | 32        | 46       | 90  | 50 | 36                  | 113                | 0.72     |       |
| A012915  | BT40-PHC04S-90  | 4        | 14        | 25        | 38       | 90  | 50 | 19                  | 125                | 1.3      |       |
| A012916  | BT40-PHC06S-110 | 6        | 14        | 27        | 38       | 110 | 60 | 25                  | 145                | 1.3      |       |
| A012917  | BT40-PHC08S-110 | 8        | 17        | 30        | 40       | 110 | 60 | 31                  | 145                | 1.4      |       |
| A012918  | BT40-PHC10S-110 | 10       | 19        | 32        | 42       | 110 | 60 | 33                  | 145                | 1.4      |       |
| A012919  | BT40-PHC12S-110 | 12       | 21        | 34        | 44       | 110 | 60 | 36                  | 145                | 1.4      |       |



目标JIS



| Order No | Type            | $\Phi d$ | $\Phi D1$ | $\Phi D2$ | $\Phi D$ | L   | L1 | L2 | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|----------|-----------------|----------|-----------|-----------|----------|-----|----|----|---------------------|--------------------|----------|-------|
| A012920  | BT40-PHC06S-150 | 6        | 14        | 26        | 48       | 150 | 57 | 85 | 25                  | 185                | 1.6      |       |
| A012921  | BT40-PHC08S-150 | 8        | 17        | 28        | 50       | 150 | 52 | 85 | 31                  | 185                | 1.7      |       |
| A012922  | BT40-PHC10S-150 | 10       | 19        | 30        | 50       | 150 | 52 | 85 | 33                  | 185                | 1.7      |       |

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10

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▲ 可定制/ on request



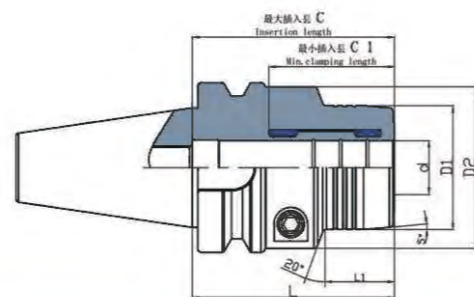


## BBT/BT高精度液压刀柄

A011810-A011824 订单号Order NO.

BBT/BT HIGH PRECISION HYDRAULIC CHUCK

(JIS B 6339)



|   | Order No | Type           | $\Phi d$ | $\Phi D1$ | $\Phi D2$ | L   | L1   | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|---|----------|----------------|----------|-----------|-----------|-----|------|---------------------|--------------------|----------|-------|
| ● | A011810  | BT50-PHC06-105 | 6        | 28        | 46        | 105 | 25   | 29                  | 46                 | 4.08     |       |
| ● | A011811  | BT50-PHC08-105 | 8        | 30        | 48        | 105 | 25   | 30                  | 46                 | 4.12     |       |
| ● | A011812  | BT50-PHC10-105 | 10       | 36        | 52        | 105 | 26   | 36                  | 57                 | 4.24     |       |
| ● | A011813  | BT50-PHC12-105 | 12       | 38        | 54        | 105 | 26   | 38                  | 57                 | 4.32     |       |
| ● | A011818  | BT50-PHC14-105 | 14       | 40        | 56        | 105 | 25   | 44                  | 75                 | 4.4      |       |
| ● | A011814  | BT50-PHC16-105 | 16       | 42        | 58        | 105 | 26   | 46                  | 75                 | 4.45     |       |
| ● | A011820  | BT50-PHC18-105 | 18       | 44        | 59        | 105 | 26   | 44                  | 75                 | 4.44     |       |
| ● | A011815  | BT50-PHC20-105 | 20       | 46        | 60        | 105 | 26   | 46                  | 75                 | 4.5      |       |
| ○ | A011821  | BT50-PHC20-150 | 20       | 46        | 60        | 150 | 26   | 46                  | 75                 | 4.85     |       |
| ● | A011816  | BT50-PHC25-120 | 25       | 52        | 62        | 120 | 56   | 50                  | 80                 | 4.67     |       |
| ● | A011817  | BT50-PHC32-120 | 32       | 62        | 72        | 120 | 43   | 60                  | 90                 | 5.08     |       |
| ○ | A011819  | BT50-PHC32-200 | 32       | 62        | 72        | 200 | 42.5 | 60                  | 90                 | 7.46     |       |
| ○ | A011820  | BT50-PHC06-150 | 6        | 28        | 46        | 150 | 25   | 29                  | 46                 |          |       |
| ○ | A011821  | BT50-PHC08-150 | 8        | 30        | 48        | 150 | 25   | 30                  | 46                 |          |       |
| ○ | A011822  | BT50-PHC10-150 | 10       | 36        | 52        | 150 | 25   | 36                  | 57                 |          |       |
| ○ | A011823  | BT50-PHC12-150 | 12       | 38        | 54        | 150 | 25   | 36                  | 57                 |          |       |
| ○ | A011824  | BT50-PHC16-150 | 16       | 42        | 58        | 150 | 25   | 44                  | 75                 |          |       |

### 注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank (ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.



## SK高精度液压刀柄

A011910-A011917 订单号Order NO.

SK HIGH PRECISION HYDRAULIC CHUCK

(DIN 69871)

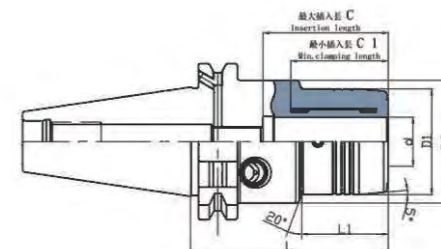
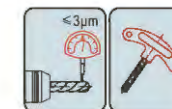


Fig1

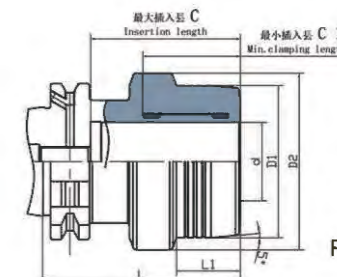


Fig2

|   | Order No | Type            | Fig. | $\Phi d$ | $\Phi D1$ | $\Phi D2$ | L    | L1   | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|---|----------|-----------------|------|----------|-----------|-----------|------|------|---------------------|--------------------|----------|-------|
| ▲ | A011910  | SK40-PHC06-80.5 | 1    | 6        | 28        | 50        | 80.5 | 35   | 26                  | 40                 | 1.2      |       |
| ▲ | A011911  | SK40-PHC08-80.5 | 1    | 8        | 30        | 50        | 80.5 | 35   | 28                  | 40                 | 1.25     |       |
| ▲ | A011912  | SK40-PHC10-80.5 | 1    | 10       | 32        | 50        | 80.5 | 35   | 33                  | 45                 | 1.3      |       |
| ● | A011913  | SK40-PHC12-80.5 | 1    | 12       | 34        | 50        | 80.5 | 35   | 37                  | 47                 | 1.35     |       |
| ▲ | A011914  | SK40-PHC16-80.5 | 1    | 16       | 38        | 50        | 80.5 | 35   | 40                  | 51                 | 1.35     |       |
| ● | A011915  | SK40-PHC20-80.5 | 1    | 20       | 43        | 50        | 80.5 | 35   | 40                  | 51                 | 1.38     |       |
| ▲ | A011916  | SK40-PHC25-80.5 | 2    | 25       | 57        | 66        | 80.5 | 26   | 51                  | 61                 | 1.5      |       |
| ▲ | A011917  | SK40-PHC32-80.5 | 2    | 32       | 62        | 72        | 80.5 | 26   | 55                  | 65                 | 1.6      |       |
| ▲ | A011910  | SK50-PHC06-90   | 1    | 6        | 30        | 52        | 90   | 40   | 26                  | 40                 | 3.55     |       |
| ▲ | A011911  | SK50-PHC08-90   | 1    | 8        | 32        | 52        | 90   | 40   | 28                  | 40                 | 3.65     |       |
| ▲ | A011912  | SK50-PHC10-90   | 1    | 10       | 34        | 52        | 90   | 42   | 33                  | 45                 | 3.7      |       |
| ▲ | A011913  | SK50-PHC12-90   | 1    | 12       | 36        | 52        | 90   | 42   | 37                  | 47                 | 3.75     |       |
| ● | A011914  | SK50-PHC16-90   | 1    | 16       | 41        | 52        | 90   | 40   | 40                  | 51                 | 3.8      |       |
| ● | A011915  | SK50-PHC20-90   | 1    | 20       | 43        | 52        | 90   | 34.5 | 40                  | 51                 | 4        |       |
| ▲ | A011916  | SK50-PHC25-105  | 1    | 25       | 54        | 66        | 105  | 43   | 56                  | 86                 | 4.04     |       |
| ▲ | A011917  | SK50-PHC32-105  | 1    | 32       | 62        | 72        | 105  | 43   | 60                  | 90                 | 4.22     |       |

### 注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank (ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.

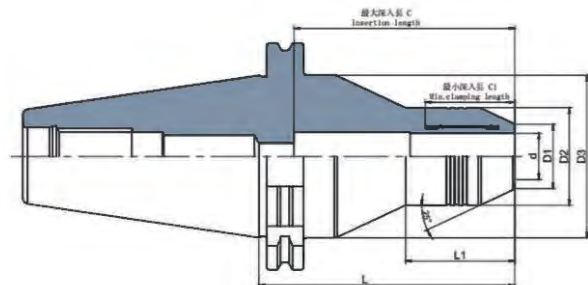




## SK高精度液压刀柄-磨刀机专用

A011918-A011922 订单号Order NO.

### SK HIGH PRECISION HYDRAULIC CHUCK (DIN 69871)-Grinding Holder



| Order No  | Type           | Φd | ΦD1  | ΦD2  | ΦD3 | L   | L1 | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|-----------|----------------|----|------|------|-----|-----|----|---------------------|--------------------|----------|-------|
| ● A011918 | SK50-PHC12-110 | 12 | 21.5 | 36.5 | 60  | 110 | 55 | 34                  | 60                 | 3.25     |       |
| ● A011919 | SK50-PHC16-110 | 16 | 25.5 | 39.5 | 60  | 110 | 60 | 39                  | 60                 | 3.4      |       |
| ● A011920 | SK50-PHC20-110 | 20 | 28   | 42   | 70  | 110 | 47 | 39                  | 95                 | 3.67     |       |
| ● A011921 | SK50-PHC25-110 | 25 | 33   | 50   | 70  | 110 | 55 | 45                  | 95                 | 3.77     |       |
| ● A011922 | SK50-PHC32-110 | 32 | 40   | 54   | 70  | 110 | 62 | 50                  | 95                 | 3.85     |       |

#### 注意 Caution

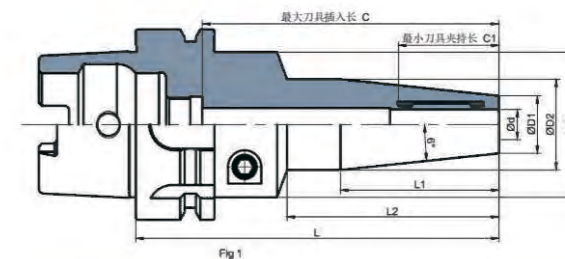
- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank.(ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.



## HSK高精度液压刀柄细长型

A013010-A013014 订单号Order NO.

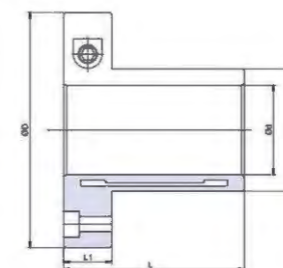
### HSK HIGH PRECISION HYDRAULIC CHUCK SUPER SLIM(DIN 69893)



| Order No  | Type              | Φd | ΦD1 | ΦD2 | ΦD | L   | L1 | L2 | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|-----------|-------------------|----|-----|-----|----|-----|----|----|---------------------|--------------------|----------|-------|
| ○ A013010 | HSK63A-PHC04S-120 | 4  | 14  | 26  | 48 | 120 | 57 | 72 | 19                  | 98                 | 1.1      |       |
| ○ A013011 | HSK63A-PHC06S-120 | 6  | 14  | 26  | 48 | 120 | 57 | 70 | 25                  | 98                 | 1.1      |       |
| ○ A013012 | HSK63A-PHC08S-120 | 8  | 17  | 28  | 48 | 120 | 52 | 70 | 31                  | 95                 | 1.2      |       |
| ○ A013013 | HSK63A-PHC10S-120 | 10 | 19  | 30  | 48 | 120 | 52 | 70 | 33                  | 94                 | 1.2      |       |
| ○ A013014 | HSK63A-PHC12S-120 | 12 | 21  | 32  | 48 | 120 | 52 | 70 | 36                  | 93                 | 1.2      |       |

## A013110-A013111 订单号Order NO.

### 液压膨胀套 HYDRAULIC EXPANSION SLEEVE



#### 特点 Feature

- 快速安装
- 提高生产效率
- 提高刀具寿命
- Quick and easy to handle with the one screw
- Higher productivity
- Increased tool life

| Order No  | Type   | Φd    | ΦD  | ΦD1 | L   | L1 | N.W (kg) | Price |
|-----------|--------|-------|-----|-----|-----|----|----------|-------|
| ○ A013110 | Φ40    | 40    | 100 | 52  | 75  | 20 | 1.35     |       |
| ○ A013111 | Φ52.15 | 52.15 | 110 | 67  | 100 | 30 | 2.4      |       |

#### 注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C1
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank.(ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C1.

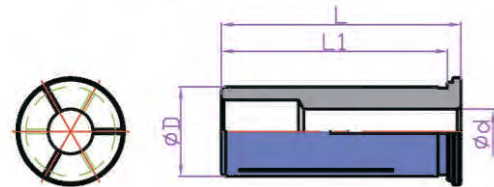




## 高精度液压减径套

A012010-A012225 订单号Order NO.

### REDUCTION SLEEVES



### 优点 Advantages

A. 一个刀柄满足多种夹持直径，以最佳成本控制最大程度的实现灵活性。由于较高的扭矩，与直接夹持相比，金属切削量更高。

Maximum flexibility with optimum cost control: one toolholder, several clamping diameters. A higher metal cutting volume than direct clamping, due to a higher torque.

B. HC12-HC25具有止水功能。HC12-HC25 By coolant.

### 可选 KN款液压减径套

### OPTIONAL KN TYPE REDUCTION SLEEVES



| Order No  | Type       | Φd    | ΦD        | L       | L1   | Price     | Order No  | Type   | Φd | ΦD   | L  | L1 | Price |
|-----------|------------|-------|-----------|---------|------|-----------|-----------|--------|----|------|----|----|-------|
| ● A012010 | HC12-3     | 3     | 12        | 47      | 45   |           | ● A012127 | HC25-5 | 5  | 25   | 58 | 55 |       |
| ● A012011 | HC12-4     | 4     |           |         |      | ● A012128 | HC25-6    | 6      |    |      |    |    |       |
| ● A012012 | HC12-5     | 5     |           |         |      | ● A012129 | HC25-7    | 7      |    |      |    |    |       |
| ● A012013 | HC12-6     | 6     |           |         |      | ● A012130 | HC25-8    | 8      |    |      |    |    |       |
| ● A012015 | HC12-7     | 7     |           |         |      | ● A012131 | HC25-9    | 9      |    |      |    |    |       |
| ● A012014 | HC12-8     | 8     |           |         |      | ● A012132 | HC25-10   | 10     |    |      |    |    |       |
| ● A012016 | HC16-3     | 3     | 16        | 50      | 47   | ● A012133 | HC25-11   | 11     | 32 | 64.5 | 61 |    |       |
| ● A012017 | HC16-4     | 4     |           |         |      | ● A012134 | HC25-12   | 12     |    |      |    |    |       |
| ● A012018 | HC16-5     | 5     |           |         |      | ● A012135 | HC25-13   | 13     |    |      |    |    |       |
| ● A012019 | HC16-6     | 6     |           |         |      | ● A012136 | HC25-14   | 14     |    |      |    |    |       |
| ● A012020 | HC16-7     | 7     |           |         |      | ● A012137 | HC25-15   | 15     |    |      |    |    |       |
| ● A012021 | HC16-8     | 8     |           |         |      | ● A012138 | HC25-16   | 16     |    |      |    |    |       |
| ● A012022 | HC16-9     | 9     |           |         |      | ● A012139 | HC25-17   | 17     |    |      |    |    |       |
| ● A012023 | HC16-10    | 10    |           |         |      | ● A012140 | HC25-18   | 18     |    |      |    |    |       |
| ● A012024 | HC16-11    | 11    |           |         |      | ● A012141 | HC25-19   | 19     |    |      |    |    |       |
| ● A012025 | HC16-12    | 12    |           |         |      | ● A012142 | HC25-20   | 20     |    |      |    |    |       |
| ● A012110 | HC20-3     | 3     | 20        | 53.5    | 50.5 | ● A012210 | HC32-6    | 6      | 32 | 64.5 | 61 |    |       |
| ● A012111 | HC20-3.175 | 3.175 |           |         |      | ● A012211 | HC32-7    | 7      |    |      |    |    |       |
| ● A012112 | HC20-4     | 4     |           |         |      | ● A012212 | HC32-8    | 8      |    |      |    |    |       |
| ● A012113 | HC20-5     | 5     |           |         |      | ● A012213 | HC32-9    | 9      |    |      |    |    |       |
| ● A012114 | HC20-6     | 6     |           |         |      | ● A012214 | HC32-10   | 10     |    |      |    |    |       |
| ● A012115 | HC20-7     | 7     |           |         |      | ● A012215 | HC32-11   | 11     |    |      |    |    |       |
| ● A012116 | HC20-8     | 8     |           |         |      | ● A012216 | HC32-12   | 12     |    |      |    |    |       |
| ● A012117 | HC20-9     | 9     |           |         |      | ● A012217 | HC32-13   | 13     |    |      |    |    |       |
| ● A012118 | HC20-10    | 10    |           |         |      | ● A012218 | HC32-14   | 14     |    |      |    |    |       |
| ● A012119 | HC20-11    | 11    |           |         |      | ● A012219 | HC32-15   | 15     |    |      |    |    |       |
| ● A012120 | HC20-12    | 12    |           |         |      | ● A012220 | HC32-16   | 16     |    |      |    |    |       |
| ● A012121 | HC20-13    | 13    |           |         |      | ● A012221 | HC32-17   | 17     |    |      |    |    |       |
| ● A012122 | HC20-14    | 14    |           |         |      | ● A012222 | HC32-18   | 18     |    |      |    |    |       |
| ● A012123 | HC20-15    | 15    |           |         |      | ● A012223 | HC32-19   | 19     |    |      |    |    |       |
| ● A012124 | HC20-16    | 16    | ● A012224 | HC32-20 | 20   |           |           |        |    |      |    |    |       |
| ● A012125 | HC25-3     | 3     | ● A012225 | HC32-25 | 25   |           |           |        |    |      |    |    |       |
| ● A012126 | HC25-4     | 4     |           |         |      |           |           |        |    |      |    |    |       |

- 可供现货 / in stock
- ▲ 交货期短 / within a few days
- ▲ 可定制 / on request



## 高精度液压减径套套装

A012310-A012317 订单号Order NO.

### REDUCTION SLEEVES SET



| Order No | Type       | Prepared collet  | Price |
|----------|------------|--|-------|
| A012310  | HC20-7pcs  | ø4, ø6, ø8, ø10, ø12, ø14, ø16,  |       |
| A012311  | HC20-14pcs | ø3, ø4, ø5, ø6, ø7, ø8, ø9, ø10, ø11, ø12, ø13, ø14, ø15, ø16,                     |       |
| A012312  | HC20-15pcs | ø3, ø3.175, ø4, ø5, ø6, ø7, ø8, ø9, ø10, ø11, ø12, ø13, ø14, ø15, ø16,             |       |
| A012313  | HC32-7pcs  | ø6, ø8, ø10, ø12, ø16, ø20, ø25,   |       |
| A012314  | HC32-9pcs  | ø6, ø8, ø10, ø12, ø14, ø16, ø18, ø20, ø25,   |       |
| A012315  | HC25-18pcs | ø3, ø4, ø5, ø6, ø7, ø8, ø9, ø10, ø11, ø12, ø13, ø14, ø15, ø16, ø17, ø18, ø19, ø20, |       |
| A012316  | HC16-10pcs | ø3, ø4, ø5, ø6, ø7, ø8, ø9, ø10, ø11, ø12,   |       |
| A012317  | HC12-6pcs  | ø3, ø4, ø5, ø6, ø7, ø8,  |       |

A012410-A012417 订单号Order NO.

## 高精度液压刀柄套装 HYDRAULIC CHUCK SET



| Order No | Type              | Collet | Prepared collet                  | Price |
|----------|-------------------|--------|----------------------------------|-------|
| A012410  | BT30-PHC20-6pc    | HC20   | ø4, ø6, ø8, ø10, ø12, ø16,       |       |
| A012411  | BT40-PHC20-6pc    | HC20   | ø4, ø6, ø8, ø10, ø12, ø16,       |       |
| A012412  | BT40-PHC32-7pc    | HC32   | ø6, ø8, ø10, ø12, ø16, ø20, ø25, |       |
| A012413  | BT50-PHC20-6pc    | HC20   | ø4, ø6, ø8, ø10, ø12, ø16,       |       |
| A012414  | BT50-PHC32-7pc    | HC32   | ø6, ø8, ø10, ø12, ø16, ø20, ø25, |       |
| A012415  | HSK63A-PHC20-6pc  | HC20   | ø4, ø6, ø8, ø10, ø12, ø16,       |       |
| A012416  | HSK63A-PHC32-7pc  | HC32   | ø6, ø8, ø10, ø12, ø16, ø20, ø25, |       |
| A012417  | HSK100A-PHC20-6pc | HC20   | ø4, ø6, ø8, ø10, ø12, ø16,       |       |

1. 每套包含1只液压刀柄，配备筒夹和六方扳手。
2. 包装盒为铝盒。
3. 规格还在继续更新。

1. Each set including 1pc each of hydraulic chuck, prepared collet and screw wrench.
2. Pack in strong aluminium box.
3. The type are still being updated.

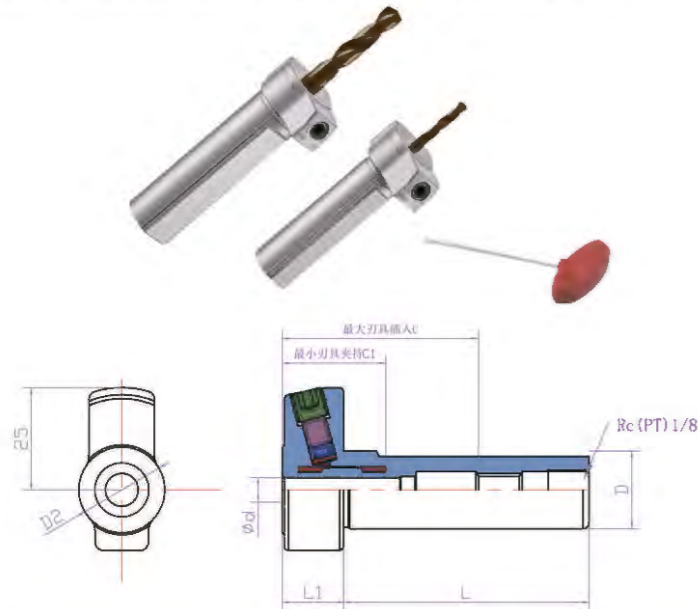
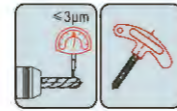




走心机最佳高精度液压产品

A012510-A012740 订单号 Order NO.

THE BEST HIGH PRECISION HYDRAULIC CHUCK FOR CNC AUTOMATIC LATHES(WELDON)



**特点 Feature**

- 刀具与刀具拆装不干涉
- 夹持范围 $\phi 3-\phi 8$
- 具有防震效果, 切削面良好
- 夹紧刀具时, 刀不会下沉
- 狭窄空间也可以快速换刀, 节省换刀时间
- The tool cutter and tool disassembly and assembly do not interfere
- Clamping range : $\phi 3-\phi 8$
- Anti-vibration effect, provides better surface
- The tool cutter does not sink when it is clamped
- The tool cutter can be changed quickly in the narrow space to save the time of changing the tool cutter

| Order No | Type              | $\Phi d$ | $\Phi D$ | D2 | L  | L1 | Insection Length C1 | Insection Length C | N.W (kg) | Price |
|----------|-------------------|----------|----------|----|----|----|---------------------|--------------------|----------|-------|
| A012510  | SLN19.05-PHC03-60 | 3        | 19.05    | 22 | 60 | 30 | 16                  | 32                 | 0.18     |       |
| A012520  | SLN19.05-PHC04-60 | 4        |          |    |    |    | 19                  | 32                 | 0.18     |       |
| A012530  | SLN19.05-PHC06-60 | 6        |          |    |    |    | 25                  | 48                 | 0.18     |       |
| A012540  | SLN19.05-PHC08-60 | 8        |          |    |    |    | 31                  | 65                 | 0.16     |       |
| A012610  | SLN20-PHC03-70    | 3        | 20       | 23 | 70 | 40 | 16                  | 32                 | 0.22     |       |
| A012620  | SLN20-PHC04-70    | 4        |          |    |    |    | 19                  | 32                 | 0.22     |       |
| A012630  | SLN20-PHC06-70    | 6        |          |    |    |    | 25                  | 48                 | 0.22     |       |
| A012640  | SLN20-PHC08-70    | 8        |          |    |    |    | 31                  | 75                 | 0.21     |       |
| A012710  | SLN22-PHC03-70    | 3        | 22       | 25 | 70 | 40 | 16                  | 32                 | 0.26     |       |
| A012720  | SLN22-PHC04-70    | 4        |          |    |    |    | 19                  | 32                 | 0.26     |       |
| A012730  | SLN22-PHC06-70    | 6        |          |    |    |    | 25                  | 48                 | 0.26     |       |
| A012740  | SLN22-PHC08-70    | 8        |          |    |    |    | 31                  | 75                 | 0.25     |       |

**注意 Caution**

- 请使用柄径公差在h6以内的刃具
- 请勿使用柄部有平面或缺口等的刃具
- 禁止空锁
- 刃具插入长度不能小于最小刃具夹持长C1
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C1.

• 未涉及型号, 可根据订单生产。  
Specials on request

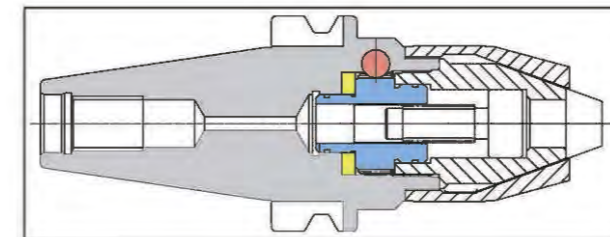


超高精一体式钻夹头刀柄

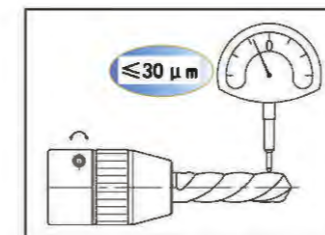
SUPER HIGH PRECISION DRILL CHUCK



跳动精度小于0.03mm - 超越传统钻夹头。  
TIR $\leq 0.03\text{mm}$ , Accuracy beyond traditional drill chuck.  
适用于CNC数控和高精密机床。  
Suitable for CNC and high precision machine applications  
用很小的力就可以轻松夹紧、拆卸。  
Gripping and dismounting with little force



- 独特的蜗轮蜗杆连接方式, 大大超越传统钻夹头刀柄  
The unique worm gear and worm connection mode is different from the traditional drill chuck
- 精度高, 刚性强, 夹紧力大  
High precision, strong rigidity and high clamping force
- 夹紧零部件时精确定位  
Accurate positioning when clamping parts



- 刀柄在4倍直径的跳动精度在 $30\mu m$ 以下  
Runout tolerance within 30 micron at 4xD diameters position
- 刀柄跳动小, 加工表面质量越好, 同时还能延长刀具的使用寿命。  
Minimum tool runout ensures good surfaces and extend tool life



- 装入刀具后仅一个T型扳手使用10/15NM的拧紧力就可以轻松锁紧、拆卸  
Easily locking and dismounting with T wrench a force 10/15NM

包装可选配:  
Optional packing:







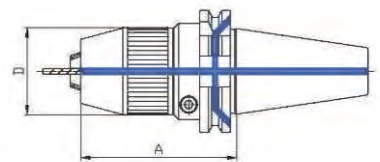
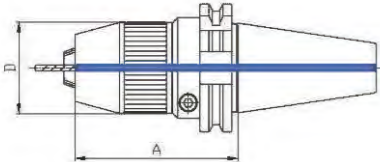
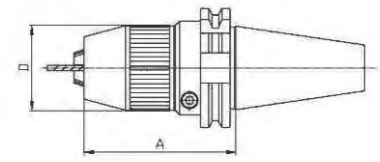
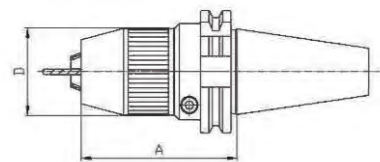
超高精一体式钻夹头刀柄SK柄

▼A021010-A021513 订单号Order NO.

SK SUPER HIGH PRECISION DRILL CHUCK HOLDER



钻夹头的跳动测试是由下列检测棒（扭力大约12Nm）完成：  
Runout test of CNCJieHe drill chucks is done with a torque of approx 12 Nm using the following test mandrels;  
13mm; 6mm,8mm,12mm  
16mm; 6mm,8mm,12mm and 16mm



Standard: without coolant  
AD: with internal coolant supply  
ADB: with internal coolant supply

1. 高精度，高同心度；径跳最大0.03mm
  2. 可以正反转
  3. 用很小的力就可以达到很好的夹紧力
  4. 短而牢固的设计；刀柄和夹头一体成型
  5. 操作简易；机床内部或外部快速换刀，如果主轴突然停止或者方向逆转不会出现夹持松开
  6. 适用于CNC数控和高精密机床
  7. 配送范围；钻夹头（含扳手）
1. high precision and concentricity:runout 0.03mm max.
  2. right and left rotation
  3. high gripping force with minimal sffort
  4. short and sturdy design;tool shank and chuck are forming one unit
  5. simple operation;quick tool change inside or outside of machine,no unintentional opening in case of sudden spindle stop or direction reversal
  6. suitable for CNC and high precision machine applications
  7. scope of delivery;drill chuck incl,wrench

DIN 69871-Standard

| Order No. | Shank | Capacity mm | A mm | D mm | N.W(kg) | Price |
|-----------|-------|-------------|------|------|---------|-------|
| A021010   | SK30  | 1-13        | 71   | 45   | 1.5     |       |
| A021110   | SK40  | 1-13        | 81   | 45   | 1.55    |       |
| A021111   | SK40  | 1-16        | 87   | 50   | 1.65    |       |
| A021210   | SK50  | 1-13        | 91   | 45   | 2.6     |       |
| A021211   | SK50  | 1-16        | 97   | 50   | 3.7     |       |

DIN 69871-Short version

| Order no. | Shank | Capacity mm | A mm | D mm | N.W(kg) | Price |
|-----------|-------|-------------|------|------|---------|-------|
| A021310   | SK40  | 1-13        | 67.5 | 45   | 1.5     |       |

DIN 69871-AD

| Order No. | Shank | Capacity mm | A mm | D mm | N.W(kg) | Price |
|-----------|-------|-------------|------|------|---------|-------|
| A021410   | SK40  | 1-13        | 81   | 45   | 1.55    |       |
| A021411   | SK40  | 1-16        | 87   | 50   | 1.65    |       |
| A021412   | SK50  | 1-13        | 91   | 45   | 2.6     |       |
| A021413   | SK50  | 1-16        | 97   | 50   | 3.7     |       |

DIN 69871-ADB

| Order No. | Shank | Capacity mm | A mm | D mm | N.W(kg) | Price |
|-----------|-------|-------------|------|------|---------|-------|
| A021510   | SK40  | 1-13        | 81   | 45   | 1.55    |       |
| A021511   | SK40  | 1-16        | 87   | 50   | 1.65    |       |
| A021512   | SK50  | 1-13        | 91   | 45   | 2.6     |       |
| A021513   | SK50  | 1-16        | 97   | 50   | 3.7     |       |

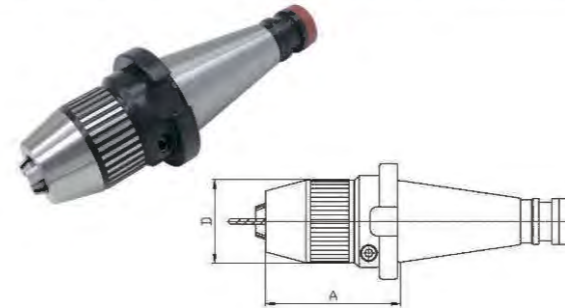
标准：不带冷却  
AD:带内部冷却供给  
ADB:带内部冷却供给



超高精钻夹头刀柄ISO柄

▼A031010-A031210 订单号Order NO.

ISO SUPER HIGH PRECISION DRILL CHUCK HOLDER



配送范围；钻夹头（含扳手）  
scope of delivery;drill chuck incl,wrench

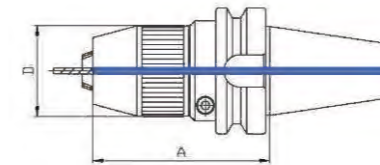
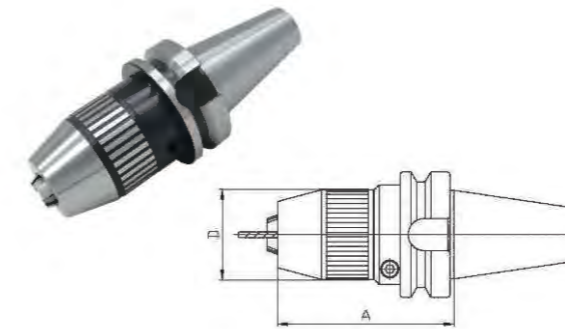
DIN 2080-Standard

| Order No. | Shank | Capacity mm | A mm | D mm | N.W(kg) | Price |
|-----------|-------|-------------|------|------|---------|-------|
| A031010   | ISO30 | 1-13        | 71   | 45   | 1.35    |       |
| A031011   | ISO30 | 1-16        | 76   | 50   | 1.5     |       |
| A031110   | ISO40 | 1-13        | 73.5 | 45   | 1.5     |       |
| A031111   | ISO40 | 1-16        | 79.5 | 50   | 1.6     |       |
| A031210   | ISO50 | 1-16        | 93.5 | 50   | 3.75    |       |

▼A041010-A041410 订单号Order NO.

超高精自紧钻夹头刀柄BT柄

BT SUPER HIGH PRECISION KEYLESS DRILL CHUCK HOLDER



Standard: without coolant  
AD: with internal coolant supply

MAS-BT-Standard

| Order No. | Shank | Capacity mm | A mm | D mm | N.W(kg) | Price |
|-----------|-------|-------------|------|------|---------|-------|
| A041010   | BT30  | 1-13        | 82   | 45   | 1.55    |       |
| A041110   | BT40  | 1-13        | 89   | 45   | 1.7     |       |
| A041111   | BT40  | 1-16        | 95   | 50   | 1.8     |       |
| A041210   | BT50  | 1-16        | 116  | 50   | 4.7     |       |

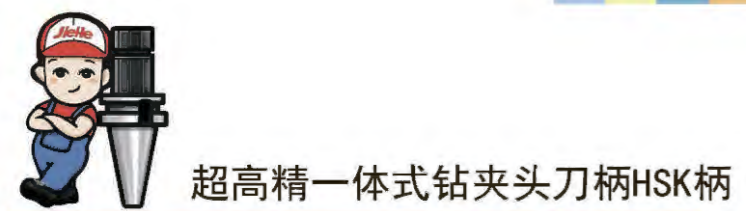
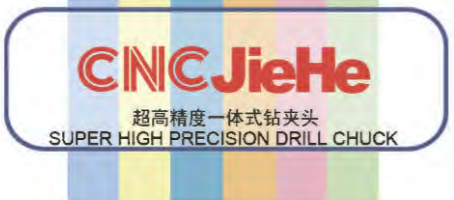
MAS-BT-AD

| Order no. | Shank | Capacity mm | A mm | D mm | N.W(kg) | Price |
|-----------|-------|-------------|------|------|---------|-------|
| A041310   | BT40  | 1-13        | 89   | 45   | 1.7     |       |
| A041311   | BT40  | 1-16        | 95   | 50   | 1.8     |       |
| A041410   | BT50  | 1-16        | 116  | 50   | 4.7     |       |

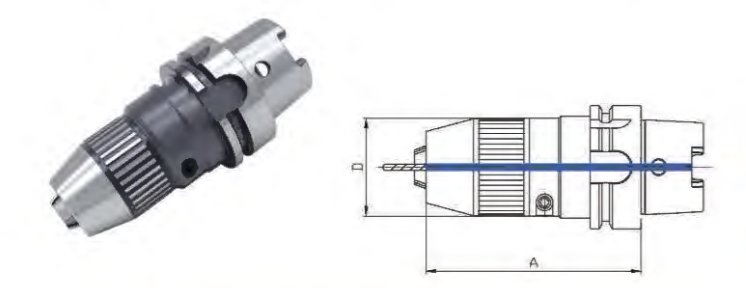
标准：不带冷却  
AD:带内部冷却供给







**超高精一体式钻夹头刀柄HSK柄**  
**▼A051010-A051110 订单号Order NO.**  
 HSK SUPER HIGH PRECISION DRILL CHUCK HOLDER



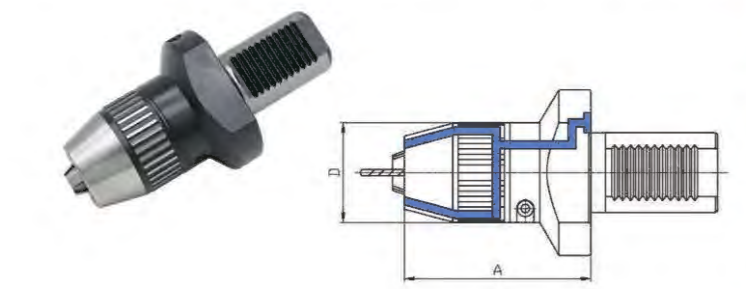
DIN 69893    DIN 69880    DIN 228-B    ≤30μm

配送范围; 钻夹头 (含扳手)  
 scope of delivery; drill chuck incl, wrench

**DIN 69893-AD**

| Order No. | Shank    | Capacity mm | A mm | D mm | N.W(kg) | Price |
|-----------|----------|-------------|------|------|---------|-------|
| A051010   | HSK-63A  | 1-13        | 107  | 45   | 1.65    |       |
| A051011   | HSK-63A  | 1-16        | 112  | 50   | 1.75    |       |
| A051110   | HSK-100A | 1-16        | 127  | 50   | 2.4     |       |

**超高精一体式钻夹头刀柄VDI柄**  
**▼A061010-A061510 订单号Order NO.**  
 VDI SUPER HIGH PRECISION DRILL CHUCK HOLDER

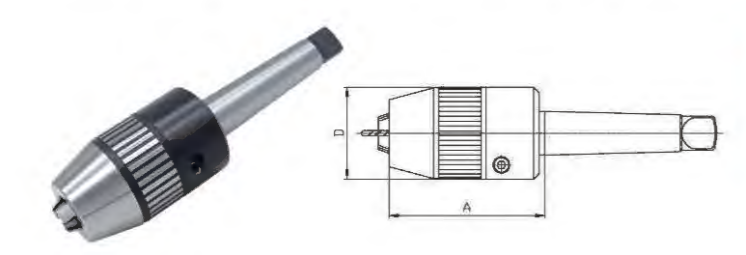


**DIN 69880-with coolant nozzles(冷却喷嘴)**

| Order no. | VDI | Capacity mm | A mm  | D mm | N.W(kg) | Price |
|-----------|-----|-------------|-------|------|---------|-------|
| A061010   | 16  | 0.3-10      | 46    | 40   | 1.35    |       |
| A061110   | 20  | 0.3-10      | 41    | 50   | 1.4     |       |
| A061210   | 25  | 1-13        | 87    | 50   | 1.46    |       |
| A061310   | 30  | 1-13        | 87    | 50   | 1.5     |       |
| A061311   | 30  | 1-16        | 92    | 55   | 1.64    |       |
| A061410   | 40  | 1-13        | 88    | 50   | 2.4     |       |
| A061411   | 40  | 1-16        | 93    | 55   | 2.6     |       |
| A061510   | 50  | 1-16        | 101.5 | 55   | 5       |       |

With internal coolant supply available upon request  
 lamping trough shank  
 根据要求可以提供内部冷却供给  
 夹紧槽柄

**超高精一体式钻夹头刀柄莫氏柄**  
**▼A071010-A071310 订单号Order NO.**  
 MT SUPER HIGH PRECISION DRILL CHUCK HOLDER

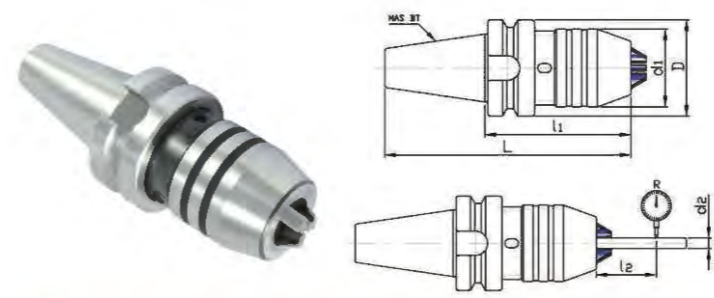


**With morse taper and tang-Standard**

| Order no. | Shank | Capacity mm | A mm | D mm | N.W(kg) | Price |
|-----------|-------|-------------|------|------|---------|-------|
| A071010   | MT2   | 1-13        | 80   | 45   | 1.2     |       |
| A071011   | MT2   | 1-16        | 86   | 50   | 1.25    |       |
| A071110   | MT3   | 1-13        | 80   | 45   | 1.3     |       |
| A071111   | MT3   | 1-16        | 86   | 50   | 1.35    |       |
| A071210   | MT4   | 1-16        | 86   | 50   | 1.58    |       |
| A071310   | MT5   | 1-16        | 86   | 50   | 2.55    |       |

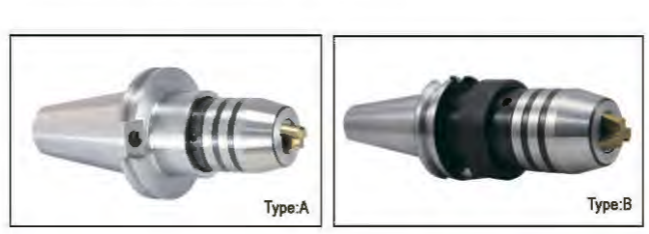


**BT/APU一体式钻夹头刀柄**  
**▼A081010-A081810 订单号Order NO.**  
 BT/APU DRILL CHUCK HOLDER



| Order NO. | Type           | L1  | L     | l2 | D   | d1 | d2 | N.W. (kg) | Price |
|-----------|----------------|-----|-------|----|-----|----|----|-----------|-------|
| A081010   | BT30×APU8-80   | 80  | 128.4 | 55 |     | 37 | 6  | 0.72      |       |
| A081110   | BT30×APU13-110 | 110 | 158.4 | 75 | 46  | 50 | 13 | 1.85      |       |
| A081210   | BT30×APU16-115 | 115 | 163.4 | 80 |     | 57 | 16 | 2.18      |       |
| A081310   | BT40×APU8-85   | 85  | 150.4 | 55 |     | 37 | 6  | 1.46      |       |
| A081410   | BT40×APU13-100 | 100 | 165.4 | 75 | 63  | 50 | 13 | 2.00      |       |
| A081510   | BT40×APU16-105 | 105 | 170.4 | 80 |     | 57 | 16 | 2.33      |       |
| A081610   | BT50×APU8-90   | 90  | 191.8 | 55 |     | 37 | 6  | 4.16      |       |
| A081710   | BT50×APU13-100 | 100 | 201.8 | 75 | 100 | 50 | 13 | 4.70      |       |
| A081810   | BT50×APU16-105 | 105 | 206.8 | 80 |     | 57 | 16 | 5.03      |       |

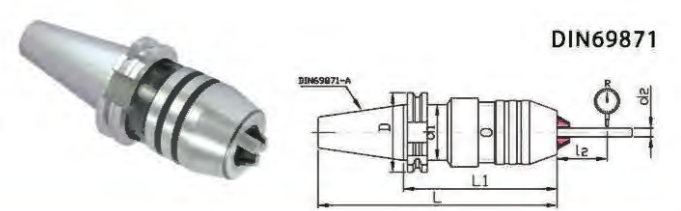
**CAT/APU一体式钻夹头刀柄**  
**▼A091010-A091510 订单号Order NO.**  
 CAT/APU DRILL CHUCK HOLDER



| Order NO. | Type                | L    | L2   | D      | d1   | d2    | Capacity Inch | N.W. (kg) | Price |
|-----------|---------------------|------|------|--------|------|-------|---------------|-----------|-------|
| A091010   | CAT40×SPU5/16-3.75" | 6.44 | 2.16 |        | 1.65 | 0.240 | 0-5/16"       | 1.85      |       |
| A091110   | CAT40×SPU1/2-4.75"  | 7.44 | 2.95 | 2.5"   | 2.13 | 0.510 | 1/32-1/2"     | 2.10      |       |
| A091210   | CAT40×SPU5/8-6"     | 8.69 | 3.15 |        | 2.44 | 0.51  | 1/8-5/8"      | 2.95      |       |
| A091310   | CAT50×SPU5/16-4"    | 8    | 2.16 |        | 1.65 | 0.24  | 0-5/16"       | 2.10      |       |
| A091410   | CAT50×SPU1/2-4.25"  | 8.25 | 2.95 | 3.875" | 2.13 | 0.51  | 1/32-1/2"     | 2.85      |       |
| A091510   | CAT50×SPU5/8-4.5"   | 8.5  | 3.15 |        | 2.44 | 0.51  | 1/8-5/8"      | 3.45      |       |

**SK/APU一体式钻夹头刀柄**  
**▼A101010-A101810 订单号Order NO.**  
 SK/APU DRILL CHUCK HOLDER

1. 一体式结构, 减少了连接误差精度, 内部用螺纹结构, 不会出现夹头脱落现象。
  2. 用于钻头、铰刀等夹持, 不可用于丝锥和铣刀夹持。
  3. 一体式刀柄缩短刀具长度, 提高加工精度, 增加使用寿命。
  4. 有自锁功能, 请使用专用扳手。
- 1.The shank and keyless drill chuck are combined together so as to avoid the drill chuck slipping out for heavy-duty and high speed cutting and improve the precision.  
 2.Not be used for gripping draw bolt and milling tools, suitable for drill bit and reamer  
 3.APU drill chuck shorten the length while length the working life of tool.  
 4.It has self-locking function, please use a special wrench.



| Order NO. | Type            | L1  | L      | L2 | D     | d1 | d2 | R    | N.W. (kg) | Price |
|-----------|-----------------|-----|--------|----|-------|----|----|------|-----------|-------|
| A101010   | DAT30×SPU8-80   | 80  | 127.8  | 55 | 50    | 37 | 8  |      | 0.60      |       |
| A101110   | DAT30×SPU13-120 | 120 | 167.8  | 75 | 50    | 50 | 13 |      | 1.45      |       |
| A101210   | DAT30×SPU16-125 | 125 | 172.8  | 80 | 50    | 57 | 16 |      | 1.78      |       |
| A101310   | DAT40×SPU8-75   | 75  | 143.4  | 55 | 63.55 | 37 | 8  |      | 1.46      |       |
| A101410   | DAT40×SPU13-100 | 100 | 168.4  | 75 | 63.55 | 50 | 13 | 0.04 | 2.00      |       |
| A101510   | DAT40×SPU16-115 | 105 | 173.4  | 80 | 63.55 | 57 | 16 |      | 2.33      |       |
| A101610   | DAT50×SPU8-75   | 75  | 176.75 | 55 | 97.50 | 37 | 8  |      | 3.86      |       |
| A101710   | DAT50×SPU13-100 | 100 | 201.75 | 75 | 97.50 | 50 | 13 |      | 4.40      |       |
| A101810   | DAT50×SPU16-105 | 105 | 206.75 | 80 | 97.50 | 57 | 16 |      | 4.73      |       |

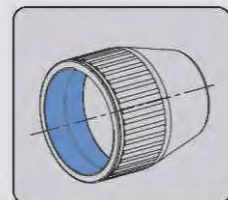


**CNC JieHe**

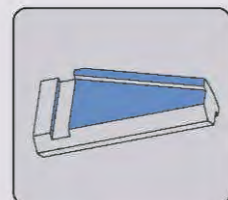
高精自紧钻夹头系列  
HIGH PRECISION KEYLESS DRILL CHUCK SYSTEM



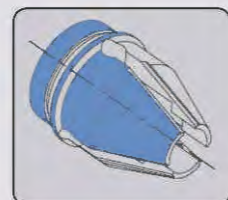
高精自紧钻夹头系列  
HIGH PRECISION KEYLESS DRILL CHUCK SYSTEM



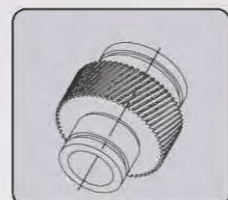
Forged steel fine machining,  
digital measurement  
锻钢精加工, 数字测量



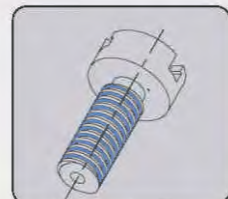
Alloy steel forging processing  
合金钢锻造加工



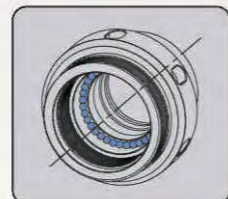
Forged steel fine machining,  
digital measurement  
锻钢加工, 数字测量



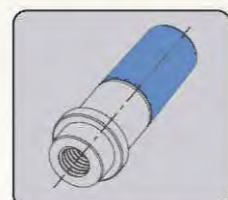
Thrust turbines with hobbing  
gear for integral drill chuck  
一体式钻夹头用滚齿推动  
蜗轮



Coarse pitch, T thread, not  
rolled triangular thread  
大螺距T型螺纹, 非滚压  
三角螺纹



Classification selected, high  
precision steel ball  
分级精选, 高精度钢球



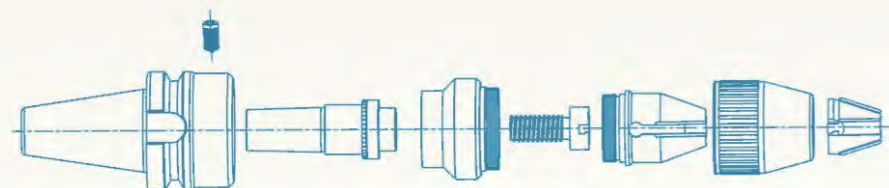
Taper increasing, more  
stable accuracy, increase  
torque  
加大短锥, 精度稳定扭力  
加大

(图片概念设计, 仿冒必究)



Features:

- Precision  $\leq 0.06$  mm
- Optional shank: BT/NBT/BBT/CAT/JT/HSK



**CNC JieHe**

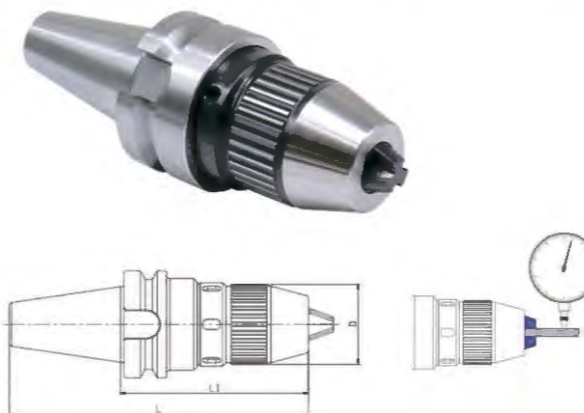
一体式钻夹头刀柄  
DRILL CHUCK HOLDER



BT/APU高精一体式钻夹头刀柄

▼A081910-A082111 订单号Order NO.

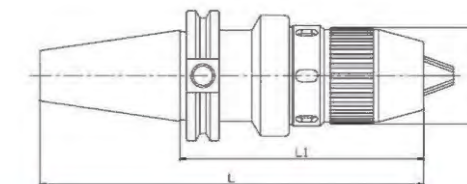
BT/APU HIGH PRECISION DRILL CHUCK HOLDER



▼A091610-A091711 订单号Order NO.

CAT/APU高精一体式钻夹头刀柄

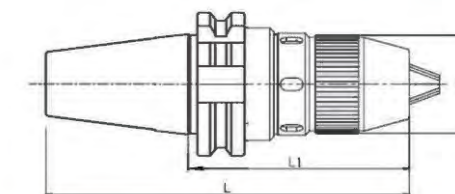
CAT/APU HIGH PRECISION DRILL CHUCK HOLDER



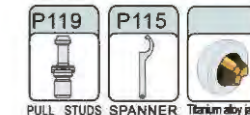
▼A101910-A102011 订单号Order NO.

SK/APU高精一体式钻夹头刀柄

SK/APU HIGH PRECISION DRILL CHUCK HOLDER



▼可选项 OPTIONAL



特点 Features:

1. 产品精度高 $\leq 0.06$ mm
  2. 螺杆采用梯形螺纹传动, 稳定性好, 自锁性强
  3. 外套采用特殊合金钢, 淬火硬度 HRC58-62, 耐磨性好
  4. 夹爪经过处理密度高, 延伸性好, 热处理硬度 HRC58-62, 耐磨性好
  5. 有自锁功能, 请使用专用扳手。
1. Precision  $\leq 0.06$ mm
  2. Screw drive with trapezoidal thread, high stability, strong self-locking
  3. Body case is made of alloy steel, Quenching hardness HRC58-62, good wear resistance
  4. Jaw have processed, high density, Heat treatment hardness HRC58-62, good wear resistance
  5. It has self-locking function, please use a special wrench.

| Order NO. | Type           | Capacity mm | L1 mm | L mm  | D mm | Price |
|-----------|----------------|-------------|-------|-------|------|-------|
| A081910   | BT30-APU13-110 | 1-13        | 110   | 158.4 | 47   |       |
| A081911   | BT30-APU16-115 | 1-16        | 115   | 163.4 | 52   |       |
| A082010   | BT40-APU13-110 | 1-13        | 110   | 175.4 | 47   |       |
| A082011   | BT40-APU16-115 | 1-16        | 115   | 180.4 | 52   |       |
| A082110   | BT50-APU13-110 | 1-13        | 110   | 211.8 | 47   |       |
| A082111   | BT50-APU16-115 | 1-16        | 115   | 216.8 | 52   |       |

| Order NO. | Type            | Capacity mm | L1 mm | L mm   | D mm | Price |
|-----------|-----------------|-------------|-------|--------|------|-------|
| A091610   | CAT40-APU13-115 | 1-13        | 115   | 183.25 | 47   |       |
| A091611   | CAT40-APU16-120 | 1-16        | 120   | 188.25 | 52   |       |
| A091710   | CAT50-APU13-105 | 1-13        | 105   | 206.6  | 47   |       |
| A091711   | CAT50-APU16-115 | 1-16        | 115   | 216.6  | 52   |       |

| Order NO. | Shank          | Capacity mm | L1 mm | L mm   | D mm | Price |
|-----------|----------------|-------------|-------|--------|------|-------|
| A101910   | SK40-APU13-110 | 1-13        | 110   | 178.57 | 47   |       |
| A101911   | SK40-APU16-115 | 1-16        | 115   | 183.57 | 52   |       |
| A102010   | SK50-APU13-110 | 1-13        | 110   | 178.57 | 47   |       |
| A102011   | SK50-APU16-115 | 1-16        | 115   | 183.57 | 52   |       |



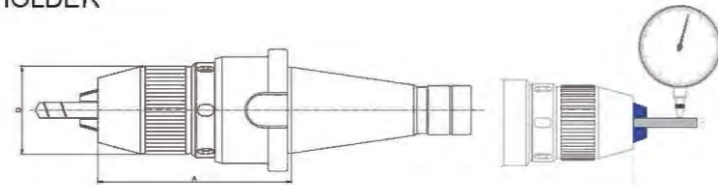




NT/APU高精自紧钻夹头刀柄

▼AB111010-AB112011 订单号Order NO.

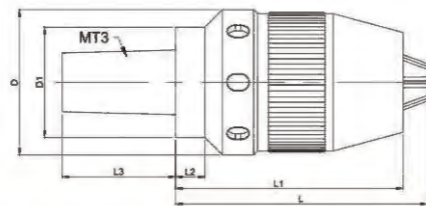
NT/APU HIGH PRECISION KEYLESS DRILL CHUCK HOLDER



| Order NO. | Type           | Capacity mm | A mm | D mm | Price |
|-----------|----------------|-------------|------|------|-------|
| AB111010  | NT40-APU13-100 | 1-13        | 100  | 47   |       |
| AB111011  | NT40-APU16-105 | 1-16        | 105  | 52   |       |
| AB112010  | NT50-APU13-100 | 1-13        | 100  | 47   |       |
| AB112011  | NT50-APU16-105 | 1-16        | 105  | 52   |       |

▼AB011010-AB011110 订单号Order NO.

高精一体式钻夹头刀柄  
 HIGH PRECISION DRILL CHUCK HOLDER



| Order NO. | Type | A mm | D mm | D1 mm | L mm | L1 mm | L2 mm | L3 mm | Price |
|-----------|------|------|------|-------|------|-------|-------|-------|-------|
| AB011010  | 1-13 | MT3  | 49   | 38    | 88   | 79    | 11    | 42    |       |
| AB011110  | 1-16 | MT3  | 54   | 41    | 94   | 85    | 11    | 42    |       |

▼AB021010-AB021111 订单号Order NO.

高精重型自紧钻夹头  
 HIGH PRECISION HEAVY-DUTY KEYLESS DRILL CHUCK



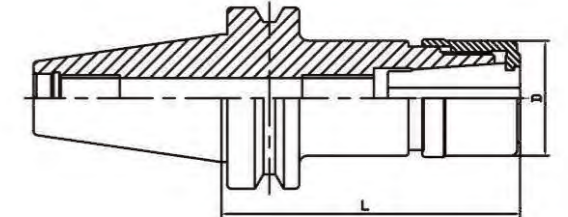
| Order No. | Type   | C     |            | D1    |       | D mm | L mm | L1 mm | Price |
|-----------|--------|-------|------------|-------|-------|------|------|-------|-------|
|           |        | mm    | "          | Taper | Taper |      |      |       |       |
| AB021010  | JH06A  | 0.5-6 | 1/32"-1/4" | B10   |       | 31   | 64   | 17.5  |       |
| AB021011  | JH06B  | 0.5-6 | 1/32"-1/4" |       | JT1   | 31   | 64   | 19.2  |       |
| AB021110  | JH010A | 1-10  | 1/32"-3/8" | B12   |       | 43   | 95   | 22    |       |
| AB021111  | JH010B | 1-10  | 1/32"-3/8" |       | JT2   | 43   | 95   | 26    |       |
| AB021210  | JH013A | 1-13  | 1/16"-1/2" | B16   |       | 48   | 106  | 28    |       |
| AB021211  | JH013B | 1-13  | 1/16"-1/2" |       | JT33  | 48   | 106  | 29    |       |
| AB021310  | JH016A | 1-16  | 1/8"-5/8"  | B18   |       | 53   | 116  | 36    |       |
| AB021311  | JH016B | 1-16  | 1/8"-5/8"  |       | JT6   | 53   | 116  | 29    |       |
| AB021410  | JH020A | 5-20  | 3/16"-3/4" | B22   |       | 62   | 132  | 30    |       |
| AB021411  | JH020B | 5-20  | 3/16"-3/4" |       | JT33  | 62   | 132  | 31    |       |



SK 高速筒夹刀柄

▼A111010-A111712 订单号Order NO.

SK COLLET CHUCK



| Order No. | Type          | D  | L   | 夹持范围<br>Clamping Range | N.W<br>(kg) | Price |
|-----------|---------------|----|-----|------------------------|-------------|-------|
| A111010   | BT30-SK10-60  | 27 | 60  | 2-10                   | 0.9         |       |
| A111011   | BT30-SK10-90  | 27 | 90  | 2-10                   | 1.0         |       |
| A111110   | BT30-SK16-60  | 40 | 60  | 3-16                   | 1.1         |       |
| A111111   | BT30-SK16-90  | 40 | 90  | 3-16                   | 1.2         |       |
| A111210   | BT40-SK10-90  | 28 | 90  | 2-10                   | 1.2         |       |
| A111310   | BT40-SK13-90  | 33 | 90  | 3-13                   | 1.4         |       |
| A111410   | BT40-SK16-90  | 40 | 90  | 3-16                   | 1.5         |       |
| A111510   | BT40-SK20-90  | 48 | 90  | 3-20                   | 1.6         |       |
| A111511   | BT40-SK20-120 | 48 | 120 | 3-20                   | 2.0         |       |
| A111610   | BT50-SK10-105 | 27 | 105 | 2-10                   | 4.2         |       |
| A111611   | BT50-SK10-120 | 27 | 120 | 2-10                   | 4.4         |       |
| A111612   | BT50-SK10-165 | 27 | 165 | 2-10                   | 4.6         |       |
| A111710   | BT50-SK16-105 | 40 | 105 | 3-16                   | 4.7         |       |
| A111711   | BT50-SK16-120 | 40 | 120 | 3-16                   | 4.9         |       |
| A111712   | BT50-SK16-165 | 40 | 165 | 3-16                   | 5.1         |       |

- 1.SK系列适用于高转速、高精密切削加工，切削效果佳。
- 2.螺帽独特设计：高转速切削时，降低风阻及切削噪音并提高工作效能。
- 3.SK扳手为另购品。
- 4.最大转速：30000r.p.m G2.5
- 5.锥度等级：≤AT3
- 6.基本材料：20CrMnTi
- 7.硬度：56-60HRC
- 8.渗碳深度：>0.8mm

- 1.SK tooling systems are suitable for high speed and high precision cutting.
- 2.Special nuts design provided better cutting conditions and reducing cutting vibrations.
- 3.Wrench other purchase
- 4.Max speed:30000r.p.m G2.5
- 5.Precision taper:≤AT3
- 6.Material:20CrMnTi
- 7.Hardness:56-60HRC
- 8.Carbon Depth:>0.8mm

本体规格可选择：BT.CAT.SK.NT.HSK等  
 Body type could optional:BT.CAT.SK.NT.HSK etc

| 附件 Accessories | 可选配 Optional |  |  |
|----------------|--------------|--|--|
|                |              |  |  |





# ER高速刀柄系列

## High Speed ER Collet Tool Holder Series



- 夹持的内锥面由高速内孔磨床磨削，并用标准的气动测量仪检测，大端接触面积率在90%以上
- 基本材质：20CrMnTi
- 硬度：56-60HRC，渗碳深度：>0.8mm
- 锥柄规格BT/SK (DIN69871) /CAT/HSK/NT/VDI /MT
- 标准动平衡G6.3/12000rpm，精密动平衡G2.5/20000rpm,25000rpm,30000rpm

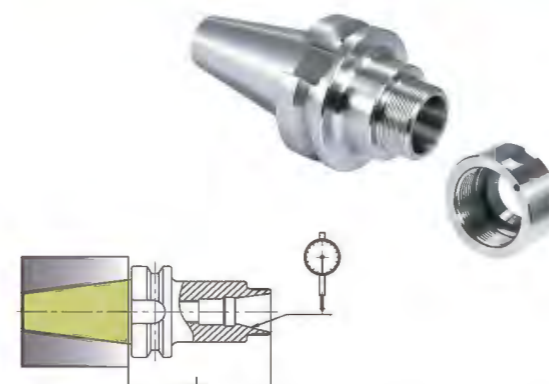
- Surface of the clamping inner hole is grinding by high speed inneraperture grinder,and inspect by standard pneumatic measurement instrument;the big end contact area rate is above 90%
- Material:20CrMnTi
- Hardness:56-60HRC, Carburizing depth:>0.8mm
- Type forBT/SK/CAT/HSK/NT/VDI/MT shank, taper tolerance:≤AT3
- 100% balanced to G6.3/12000rpm, G2.5/20000rpm,25000rpm,30000rpm



### ER刀柄系列

▼ A121010-A211014 订单号 Order NO

ER COLLET CHUCK SERIES

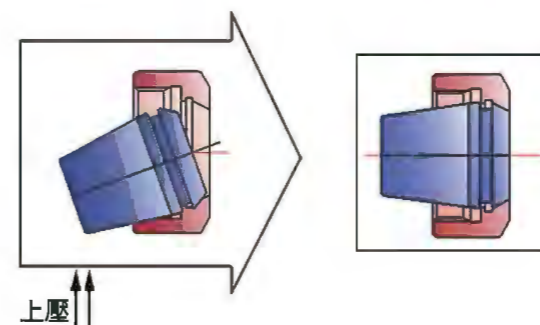


| Type    | 级别CLASS | RUN OUT | L (mm) |
|---------|---------|---------|--------|
| BT30-ER | AA      | ≤0.002  | ≤100   |
|         | A       | ≤0.003  | >150   |
| BT40-ER | AA      | ≤0.004  | ≤100   |
|         | A       | ≤0.005  | >150   |
| BT50-ER | AA      | ≤0.005  | ≤100   |
|         | A       | ≤0.006  | >150   |

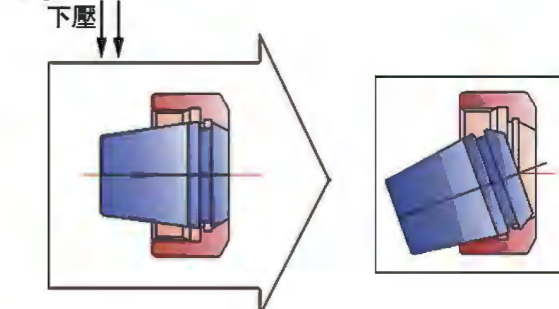
在安装筒夹之前，必须先将筒夹装入螺母之中，然后将装上筒夹的螺母轻轻拧在刀柄上，待装上刀具后再锁紧。

刀具径跳是整个刀柄系统：刀柄，筒夹，压帽的共同作用，所以为达到最佳的夹持精度，推荐使用捷合公司的高精度刀柄，筒夹和螺帽以及拉钉。

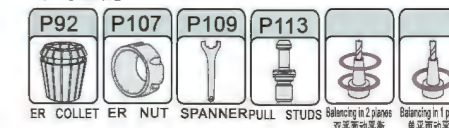
#### 装上



#### 卸下



#### ▼可选配 OPTIONAL



#### technology:

-196°C超长深冷处理，使接近全部的残余奥氏体转变为马氏体；  
超长定型热时效去除磨加工时的残余内应力。  
-196°C long cryogenic,nearly all of the residual austenite into martensite;  
Long stereotyped thermal limitation re-moval of grinding residual stress.

First ER collet into the nut,the gently twist the collet nut onto the holder until the cutter is installed and then locked.

Cutting tool T.I.R is the tooling system: a combination of the collet chuck,ER collet,Nut.So to achieve the best clamping precision,it is recommended to use JIEHE company toolholder, collet,nut and pull studs.

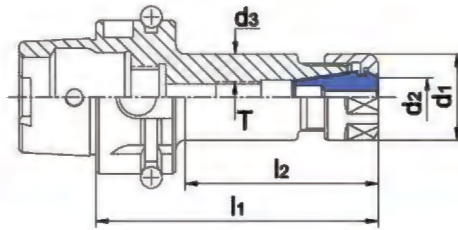




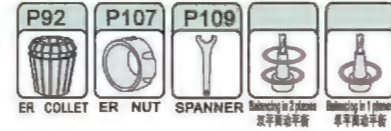
HSK(A)/ER刀杆-出水结构

▼A121010-A122511 订单号Order NO.

HSK(A)/ER Collet Chuck



▼可选配 OPTIONAL



可选配 Optional



| Order NO. | Type              | l <sub>1</sub> | l <sub>2</sub> | d <sub>1</sub> | d <sub>2</sub><br>ER | d <sub>3</sub> | T         | N.W.<br>(kg) | Price |
|-----------|-------------------|----------------|----------------|----------------|----------------------|----------------|-----------|--------------|-------|
| A121010   | HSK40AxER20A-80   | 80             | 59             | 34             | 20                   | 32             | M10X1.5P  | 0.35         |       |
| A121110   | HSK40AxER25-80    | 80             |                | 42             | 25                   |                |           | 0.4          |       |
| A121210   | HSK50AxER16A-80   | 80             | 49             | 28             | 16                   | 28             | M10X1.5P  | 0.5          |       |
| A121211   | HSK50AxER16A-100  | 100            | 71             |                |                      |                |           | 0.55         |       |
| A121310   | HSK50AxER20A-80   | 80             | 53             | 34             | 20                   | 34             | M12X1.75P | 0.60         |       |
| A121311   | HSK50AxER20A-100  | 100            | 73             |                |                      |                |           | 0.65         |       |
| A121410   | HSK50AxER25-80    | 80             | 53             | 42             | 25                   | 40             | M16X2P    | 0.7          |       |
| A121411   | HSK50AxER25-100   | 100            | 73             |                |                      |                |           | 42           | 0.8   |
| A121510   | HSK50AxER32-100   | 100            | 73             | 50             | 32                   | 50             |           | 1.35         |       |
| A121610   | HSK63AxER16A-80   | 80             | 44             | 28             | 16                   | 28             | M10X1.5P  | 1.0          |       |
| A121611   | HSK63AxER16A-100  | 100            | 64             |                |                      |                |           | 1.1          |       |
| A121612   | HSK63AxER16A-160  | 160            | 124            |                |                      |                |           | 1.90         |       |
| A121710   | HSK63AxER20A-100  | 100            | 66             | 34             | 20                   | 34             | M12X1.75P | 1.7          |       |
| A121711   | HSK63AxER20A-160  | 160            | 126            |                |                      |                |           | 2.00         |       |
| A121810   | HSK63AxER25-100   | 100            | 69             | 42             | 25                   | 42             | M16X2.0P  | 1.8          |       |
| A121811   | HSK63AxER25-160   | 160            | 129            |                |                      |                |           | 2.40         |       |
| A121910   | HSK63AxER32-80    | 80             | 53             | 50             | 32                   | 50             | M16X2.0P  | 1.44         |       |
| A121911   | HSK63AxER32-100   | 100            | 73             |                |                      |                |           | 2.55         |       |
| A121912   | HSK63AxER32-160   | 160            | 133            |                |                      |                |           | 3.15         |       |
| A122010   | HSK63AxER40-80    | 80             | 53             | 63             | 40                   | 60             | M20X2.0P  | 2.65         |       |
| A122011   | HSK63AxER40-100   | 100            | 73             |                |                      |                |           | 1.66         |       |
| A122012   | HSK63AxER40-120   | 120            | 93             |                |                      |                |           | 2.77         |       |
| A122110   | HSK100AxER16A-100 | 100            | 61             | 28             | 16                   | 28             | M10X1.5P  | 2.95         |       |
| A122210   | HSK100AxER20A-100 | 100            | 61             | 34             | 20                   | 34             | M12X1.75P | 3.0          |       |
| A122310   | HSK100AxER25-100  | 100            | 61             | 42             | 25                   | 42             | M16X2.0P  | 3.0          |       |
| A122410   | HSK100AxER32-100  | 100            | 61             | 50             | 32                   | 50             |           | 3.15         |       |
| A122510   | HSK100AxER40-100  | 80             | 71             | 63             | 40                   | 62             | M20X2.0P  | 3.3          |       |
| A122511   | HSK100AxER40-120  | 120            | 86             |                |                      |                |           | 63           | 3.38  |

特点:

压帽可选择无风阻压帽

出水方式为AD

动平衡为G6.3 15000rpm, G2.5 30000rpm.

未涉及的型号, 可根据订单生产。

Feature:

ER nuts optional GER nuts.

coolant through center of toolholder(AD)

Balance to G6.3 15000rpm, G2.5 30000rpm.

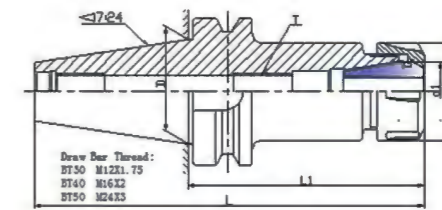
Other type, can be produced according to the order



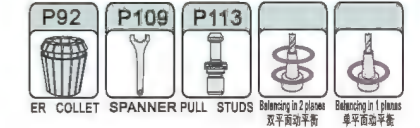
BT/ER刀杆

▼A131010-A131911 订单号Order NO.

BT/ER COLLET CHUCK



▼可选配 OPTIONAL



可选配 Optional



注: 在订购刀柄时需要注明刀柄本体的冷却方式:

A型、AD型、AD+B型。

未涉及的型号, 可以根据订单生产。

Note: When ordering, please specify the coolant form:

Form A, Form AD, Form AD+B.

Other type, can be produced according to the order.

| Order NO. | Type          | L1  | L     | D     | d1 | d2       | T        | N.W.<br>kg | Price |
|-----------|---------------|-----|-------|-------|----|----------|----------|------------|-------|
| A131010   | BT30-ER16-70  | 70  | 118.4 | 31.75 | 16 | 28       | M11×1.0P | 0.55       |       |
| A131011   | BT30-ER16-100 | 100 | 148.4 |       |    |          |          | 0.8        |       |
| A131012   | BT30-ER16-150 | 150 | 198.4 |       |    |          |          | 1          |       |
| A131110   | BT30-ER20-70  | 70  | 118.4 |       | 20 | 34       | M14×1.0P | 0.75       |       |
| A131111   | BT30-ER20-100 | 100 | 148.4 |       |    |          |          | 0.9        |       |
| A131112   | BT30-ER20-150 | 150 | 198.4 |       |    |          |          | 1.2        |       |
| A131210   | BT30-ER25-70  | 70  | 118.4 |       | 25 | 42       | M18×1.0P | 0.7        |       |
| A131211   | BT30-ER25-100 | 100 | 148.4 |       |    |          |          | 1.45       |       |
| A131212   | BT30-ER25-150 | 150 | 198.4 |       |    |          |          | 1.6        |       |
| A131310   | BT30-ER32-70  | 70  | 118.4 |       | 32 | 50       | M22×1.5P | 0.85       |       |
| A131311   | BT30-ER32-100 | 100 | 148.4 |       |    |          |          | 1.5        |       |
| A131410   | BT30-ER40-80  | 80  | 128.4 |       |    |          |          | 1.1        |       |
| A131510   | BT40-ER16-70  | 70  | 135.4 | 44.45 | 16 | 28       | M11×1.0P | 1.36       |       |
| A131511   | BT40-ER16-100 | 100 | 165.4 |       |    |          |          | 1.54       |       |
| A131512   | BT40-ER16-120 | 120 | 185.4 |       |    |          |          | 1.6        |       |
| A131610   | BT40-ER20-70  | 70  | 135.4 |       | 20 | 34       | M14×1.0P | 1.70       |       |
| A131611   | BT40-ER20-100 | 100 | 165.4 |       |    |          |          | 1.80       |       |
| A131612   | BT40-ER20-150 | 150 | 215.4 |       |    |          |          | 2.10       |       |
| A131710   | BT40-ER25-70  | 70  | 135.4 |       | 25 | 42       | M18×1.0P | 1.90       |       |
| A131711   | BT40-ER25-100 | 100 | 165.4 |       |    |          |          | 2.25       |       |
| A131712   | BT40-ER25-150 | 150 | 215.4 |       |    |          |          | 2.75       |       |
| A131810   | BT40-ER32-70  | 70  | 135.4 |       | 32 | 50       | M22×1.5P | 2.50       |       |
| A131811   | BT40-ER32-100 | 100 | 165.4 |       |    |          |          | 2.80       |       |
| A131812   | BT40-ER32-120 | 120 | 185.4 |       |    |          |          | 3.00       |       |
| A131813   | BT40-ER32-150 | 150 | 215.4 | 3.05  |    |          |          |            |       |
| A131814   | BT40-ER32-200 | 200 | 265.4 | 3.30  |    |          |          |            |       |
| A131910   | BT40-ER40-80  | 80  | 145.4 | 40    | 63 | M28×2.0P | 2.50     |            |       |
| A131911   | BT40-ER40-100 | 100 | 165.4 |       |    |          | 3.10     |            |       |

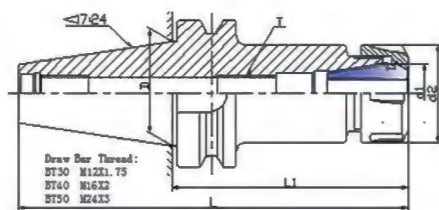




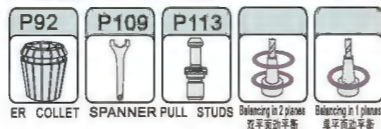
BT/ER刀杆

▼A132010-A132414 订单号 Order NO

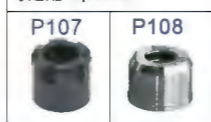
BT/ER COLLET CHUCK



▼可选配 OPTIONAL



可选配 Optional



| Order NO. | Type          | L1  | L     | D     | d1  | d2 | T        | N.W. kg | Price |
|-----------|---------------|-----|-------|-------|-----|----|----------|---------|-------|
| A132010   | BT50×ER16-70  | 70  | 171.8 | 69.85 | 16  | 28 | M11×1.0P | 4.05    |       |
| A132011   | BT50×ER16-100 | 100 | 201.8 |       |     |    |          | 4.2     |       |
| A132012   | BT50×ER16-150 | 150 | 251.8 |       |     |    |          | 4.45    |       |
| A132013   | BT50×ER16-200 | 200 | 301.8 |       |     |    |          | 4.8     |       |
| A132110   | BT50×ER20-70  | 70  | 171.8 |       | 20  | 34 | M14×1.0P | 4.2     |       |
| A132111   | BT50×ER20-100 | 100 | 201.8 |       |     |    |          | 4.25    |       |
| A132112   | BT50×ER20-150 | 150 | 251.8 |       |     |    |          | 4.7     |       |
| A132113   | BT50×ER20-200 | 200 | 301.8 |       | 4.9 |    |          |         |       |
| A132210   | BT50×ER25-70  | 70  | 171.8 |       | 25  | 42 | M18×1.0P | 4.2     |       |
| A132211   | BT50×ER25-100 | 100 | 201.8 |       |     |    |          | 4.4     |       |
| A132212   | BT50×ER25-120 | 120 | 221.8 |       |     |    |          | 4.6     |       |
| A132213   | BT50×ER25-150 | 150 | 251.8 |       |     |    |          | 4.8     |       |
| A132214   | BT50×ER25-200 | 200 | 301.8 |       | 5.2 |    |          |         |       |
| A132310   | BT50-ER32-70  | 70  | 171.8 |       | 32  | 50 | M22×1.5P | 4.6     |       |
| A132311   | BT50×ER32-100 | 100 | 201.8 |       |     |    |          | 4.8     |       |
| A132312   | BT50×ER32-120 | 120 | 221.8 |       |     |    |          | 4.9     |       |
| A132313   | BT50×ER32-150 | 150 | 251.8 |       |     |    |          | 5.3     |       |
| A132314   | BT50×ER32-200 | 200 | 301.8 |       | 5.5 |    |          |         |       |
| A132410   | BT50×ER40-80  | 80  | 181.8 |       | 40  | 63 | M28×1.5P | 4.3     |       |
| A132411   | BT50×ER40-100 | 100 | 201.8 |       |     |    |          | 4.4     |       |
| A132412   | BT50×ER40-120 | 120 | 221.8 |       |     |    |          | 5.2     |       |
| A132413   | BT50×ER40-150 | 150 | 251.8 |       |     |    |          | 5.8     |       |
| A132414   | BT50×ER40-200 | 200 | 301.8 |       |     |    |          | 6.7     |       |

注：在订购刀柄时需要注明刀柄本体的冷却方式：A型、AD型、AD+B型。  
未涉及的型号，可以根据订单生产。

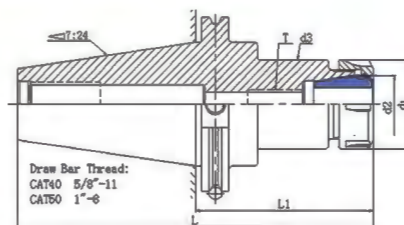
Note: When ordering, please specify the coolant form: Form A, Form AD, Form AD+B.  
Other type, can be produced according to the order.



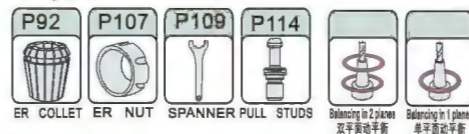
CAT/ER刀杆

▼A141010-A141912 订单号 Order NO

CAT/ER COLLET CHUCKS



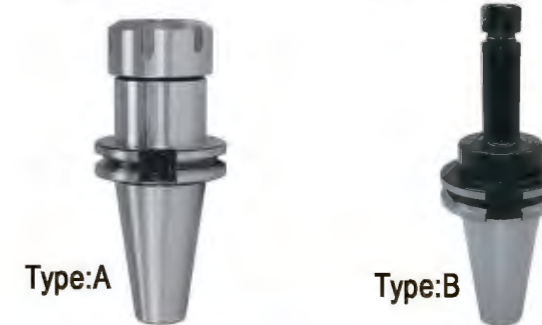
▼可选配 OPTIONAL



可选配 Optional



注：在订购刀柄时需要注明刀柄本体的冷却方式：  
A型、AD型、AD+B型。  
未涉及的型号，可以根据订单生产。  
Note: When ordering, please specify the coolant form:  
Form A, Form AD, Form AD+B.  
Other type, can be produced according to the order.



| Order NO. | Type             | L     | L1   | d1    | d2    | d3        | T         | N.W. (kg) | Price    |
|-----------|------------------|-------|------|-------|-------|-----------|-----------|-----------|----------|
| A141010   | CAT40×ER16-2.76" | 5.447 | 2.76 | 1.102 | 0.630 | 1.750     | M10×1.5P  | 1.05      |          |
| A141011   | CAT40×ER16-4"    | 6.687 | 4.00 |       |       |           |           | 1.35      |          |
| A141110   | CAT40×ER20-2.76" | 5.447 | 2.76 | 1.339 | 0.788 |           | M12×1.75P | 1.25      |          |
| A141111   | CAT40×ER20-4"    | 6.687 | 4.00 |       |       |           |           | 1.65      |          |
| A141112   | CAT40×ER20-6"    | 8.687 | 6.00 | 2.20  |       |           |           |           |          |
| A141210   | CAT40×ER25-2.76" | 5.447 | 2.76 | 1.654 | 0.984 |           | M16×2.0P  | 1.35      |          |
| A141211   | CAT40×ER25-4"    | 6.687 | 4.00 |       |       |           |           | 1.70      |          |
| A141212   | CAT40×ER25-6"    | 8.687 | 6.00 |       |       |           |           | 2.25      |          |
| A141310   | CAT40×ER32-2.76" | 5.447 | 2.76 | 1.969 | 1.260 |           | M16×2.0P  | 1.25      |          |
| A141311   | CAT40×ER32-4"    | 6.687 | 4.00 |       |       |           |           | 1.75      |          |
| A141312   | CAT40×ER32-6"    | 8.687 | 6.00 |       |       |           |           | 2.15      |          |
| A141410   | CAT40×ER40-3.15" | 5.837 | 3.15 | 2.480 | 1.575 |           | M20×2.0P  | 1.80      |          |
| A141411   | CAT40×ER40-4"    | 6.687 | 4.00 |       |       | 2.05      |           |           |          |
| A141412   | CAT40×ER40-6"    | 8.687 | 6.00 | 3.30  |       |           |           |           |          |
| A141510   | CAT50×ER16-4"    | 8     | 4.00 | 1.102 | 0.630 | M10×1.5P  | 4.10      |           |          |
| A141511   | CAT50×ER16-6"    | 10    | 6.00 |       |       |           | 4.28      |           |          |
| A141610   | CAT50×ER20-4"    | 8     | 4.00 | 1.339 | 0.788 | M12×1.75P | 4.20      |           |          |
| A141611   | CAT50×ER20-6"    | 10    | 6.00 |       |       |           | 4.45      |           |          |
| A141710   | CAT50×ER25-4"    | 8     | 4.00 | 1.654 | 0.984 | M16×2.0P  | 4.15      |           |          |
| A141711   | CAT50×ER25-6"    | 10    | 6.00 |       |       |           | 4.50      |           |          |
| A141810   | CAT50×ER32-4"    | 8     | 4.00 |       |       |           | 1.969     | 1.260     | M16×2.0P |
| A141811   | CAT50×ER32-6"    | 10    | 6.00 | 4.60  |       |           |           |           |          |
| A141812   | CAT50×ER32-8"    | 12    | 8.00 | 4.90  |       |           |           |           |          |
| A141910   | CAT50×ER40-4"    | 8     | 4.00 | 2.480 | 1.575 | M20×2.0P  | 4.25      |           |          |
| A141911   | CAT50×ER40-6"    | 10    | 6.00 |       |       |           | 4.80      |           |          |
| A141912   | CAT50×ER40-8"    | 12    | 8.00 |       |       |           | 5.10      |           |          |

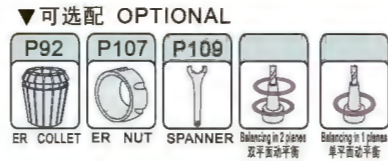
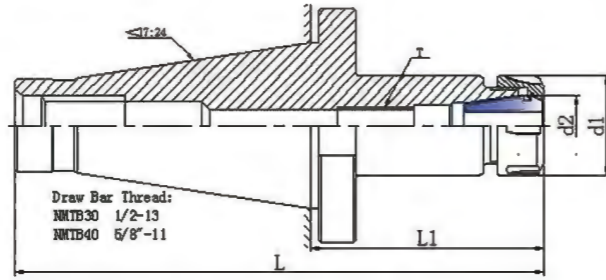




NMTB/ER刀杆

▼A15010-A151615 订单号 Order NO.

NMTB/ER COLLET CHUCKS



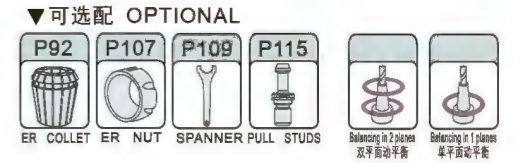
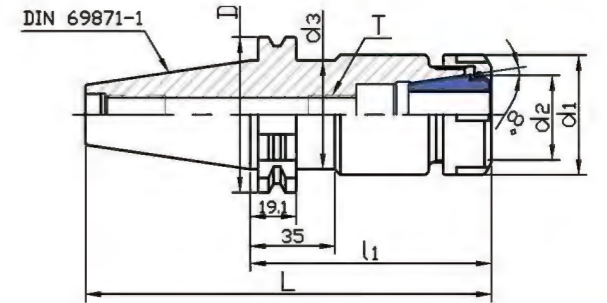
| Order NO. | TYPE             | L     | L1   | d1    | d2    | T        | Price |
|-----------|------------------|-------|------|-------|-------|----------|-------|
| A151010   | NMTB30-ER16-2.00 | 4.687 | 2.00 | 1.10  | 0.630 | M10X1.5P |       |
| A151011   | NMTB30-ER32-2.50 | 5.187 | 2.50 | 1.97  | 1.260 | M16X2P   |       |
| A151012   | NMTB30-ER40-3.50 | 6.187 | 3.50 | 2.48  | 1.574 | M20X2.5P |       |
| A151110   | NMTB40-ER11-2.50 | 6.187 | 2.50 | 0.43  | 0.750 | M6X1.0P  |       |
| A151111   | NMTB40-ER11-3.00 | 6.687 | 3.00 |       |       |          |       |
| A151112   | NMTB40-ER11-4.00 | 7.687 | 4.00 |       |       |          |       |
| A151210   | NMTB40-ER16-2.25 | 5.937 | 2.25 | 0.63  | 1.100 | M10X1.5P |       |
| A151211   | NMTB40-ER16-2.50 | 6.187 | 2.50 |       |       |          |       |
| A151212   | NMTB40-ER16-2.62 | 6.307 | 2.62 |       |       |          |       |
| A151213   | NMTB40-ER16-2.88 | 6.567 | 2.88 |       |       |          |       |
| A151214   | NMTB40-ER16-3.12 | 6.807 | 3.12 |       |       |          |       |
| A151215   | NMTB40-ER16-3.50 | 7.187 | 3.50 |       |       |          |       |
| A151216   | NMTB40-ER16-4.00 | 7.687 | 4.00 |       |       |          |       |
| A151310   | NMTB40-ER20-2.50 | 6.187 | 2.50 |       |       |          | 1.340 |
| A151311   | NMTB40-ER20-3.12 | 6.807 | 3.12 |       |       |          |       |
| A151312   | NMTB40-ER20-4.00 | 7.687 | 4.00 |       |       |          |       |
| A151410   | NMTB40-ER25-2.50 | 6.187 | 2.50 |       |       |          |       |
| A151411   | NMTB40-ER25-2.62 | 6.307 | 2.62 | 1.650 | 0.98  | M16X2P   |       |
| A151412   | NMTB40-ER25-4.00 | 7.687 | 4.00 |       |       |          |       |
| A151510   | NMTB40-ER32-1.69 | 5.377 | 1.69 | 1.970 | 1.26  | M16X2P   |       |
| A151511   | NMTB40-ER32-2.50 | 6.187 | 2.50 |       |       |          |       |
| A151512   | NMTB40-ER32-2.76 | 6.447 | 2.76 |       |       |          |       |
| A151513   | NMTB40-ER32-3.00 | 6.687 | 3.00 |       |       |          |       |
| A151514   | NMTB40-ER32-3.12 | 6.807 | 3.12 |       |       |          |       |
| A151515   | NMTB40-ER32-3.13 | 6.817 | 3.13 |       |       |          |       |
| A151516   | NMTB40-ER32-4.00 | 7.687 | 4.00 |       |       |          |       |
| A151610   | NMTB40-ER40-2.50 | 6.187 | 2.50 |       |       |          | 2.480 |
| A151611   | NMTB40-ER40-3.00 | 6.687 | 3.00 |       |       |          |       |
| A151612   | NMTB40-ER40-3.13 | 6.817 | 3.13 |       |       |          |       |
| A151613   | NMTB40-ER40-3.15 | 6.837 | 3.15 |       |       |          |       |
| A151614   | NMTB40-ER40-4.00 | 7.687 | 4.00 |       |       |          |       |
| A151615   | NMTB40-ER40-4.12 | 7.807 | 4.12 |       |       |          |       |



SK/ER刀杆

▼A161010-A161812 订单号 Order NO.

SK/ER COLLET CHUCKS (DIN 69871)



| Order NO. | Type          | L1  | D     | d1 | d2 ER    | d3 MAX   | T        | N.W. (kg) | Price    |      |
|-----------|---------------|-----|-------|----|----------|----------|----------|-----------|----------|------|
| A161010   | SK30×ER16-70  | 70  | 50    | 28 | 16       | 45       | M11×1.0P | 0.65      |          |      |
| A161011   | SK30×ER16-100 | 100 |       |    |          |          |          |           |          | 0.70 |
| A161110   | SK30×ER20-70  | 70  |       | 34 | 20       |          | M14×1.0P | 0.70      |          |      |
| A161111   | SK30×ER20-100 | 100 |       |    |          |          |          |           |          | 0.75 |
| A161210   | SK30×ER25-70  | 70  |       | 42 | 25       |          | M18×1.0P | 0.75      |          |      |
| A161211   | SK30×ER25-100 | 100 |       |    |          |          |          |           |          | 0.80 |
| A161310   | SK30×ER32-70  | 70  |       | 50 | 32       |          | M22×1.5P | 0.85      |          |      |
| A161311   | SK30×ER32-100 | 100 |       |    |          |          |          |           |          | 0.90 |
| A161410   | SK40×ER16-70  | 70  | 63.55 | 28 | 16       | M11×1.0P | 1.30     |           |          |      |
| A161411   | SK40×ER16-100 | 100 |       |    |          |          |          |           | 1.40     |      |
| A161412   | SK40×ER16-160 | 160 |       |    |          |          |          |           | 1.70     |      |
| A161510   | SK40×ER20-70  | 70  |       |    |          |          | 34       | 20        | M14×1.0P | 1.40 |
| A161511   | SK40×ER20-100 | 100 |       |    |          | 1.50     |          |           |          |      |
| A161512   | SK40×ER20-160 | 160 |       |    |          | 2.20     |          |           |          |      |
| A161610   | SK40×ER25-70  | 70  |       | 42 | 25       | M18×1.0P |          |           |          | 1.60 |
| A161611   | SK40×ER25-100 | 100 |       |    |          |          |          |           | 1.85     |      |
| A161612   | SK40×ER25-160 | 160 |       |    |          |          |          |           | 2.35     |      |
| A161710   | SK40×ER32-70  | 70  |       |    |          |          | 50       | 32        | M22×1.5P | 1.60 |
| A161711   | SK40×ER32-100 | 100 |       |    |          | 2.00     |          |           |          |      |
| A161712   | SK40×ER32-160 | 160 |       |    |          | 2.70     |          |           |          |      |
| A161810   | SK40×ER40-70  | 70  | 63    | 40 | M28×1.5P | 1.50     |          |           |          |      |
| A161811   | SK40×ER40-100 | 100 |       |    |          |          |          | 2.00      |          |      |
| A161812   | SK40×ER40-160 | 160 |       |    |          |          |          | 3.40      |          |      |

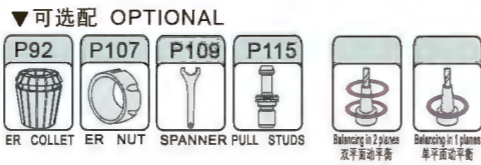
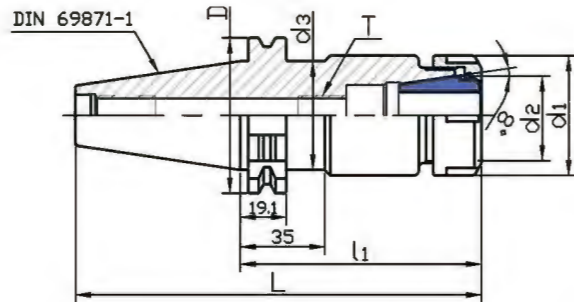




SK/ER刀杆

▼A161910-A162312 订单号 Order NO.

SK/ER COLLET CHUCKS (DIN 69871)



| Order NO. | Type          | L1  | D    | d1 | d2       | T        | N.W. (kg) | Price |
|-----------|---------------|-----|------|----|----------|----------|-----------|-------|
| A161910   | SK50×ER16-100 | 100 | 97.5 | 28 | 16       | M11×1.0P | 3.20      |       |
| A161911   | SK50×ER16-135 | 135 |      |    |          |          | 4.30      |       |
| A161912   | SK50×ER16-160 | 160 |      |    |          |          | 4.50      |       |
| A162010   | SK50×ER20-100 | 100 |      | 34 | 20       | M14×1.0P | 3.40      |       |
| A162011   | SK50×ER20-135 | 135 |      |    |          |          | 3.60      |       |
| A162012   | SK50×ER20-160 | 160 |      |    |          |          | 3.80      |       |
| A162110   | SK50×ER25-70  | 70  |      | 42 | 25       | M18×1.0P | 3.40      |       |
| A162111   | SK50×ER25-100 | 100 |      |    |          |          | 4.15      |       |
| A162112   | SK50×ER25-160 | 160 |      |    |          |          | 4.50      |       |
| A162210   | SK50×ER32-70  | 70  |      | 50 | 32       | M22×1.5P | 3.60      |       |
| A162211   | SK50×ER32-100 | 100 |      |    |          |          | 4.60      |       |
| A162212   | SK50×ER32-160 | 160 |      |    |          |          | 4.75      |       |
| A162310   | SK50×ER40-80  | 80  | 63   | 40 | M28×1.5P | 3.65     |           |       |
| A162311   | SK50×ER40-100 | 100 |      |    |          | 4.80     |           |       |
| A162312   | SK50×ER40-160 | 160 |      |    |          | 5.20     |           |       |

注：在订购刀柄时需要注明刀柄本体的冷却方式：A型、AD型、AD+B型。未涉及的型号，可以根据订单生产。

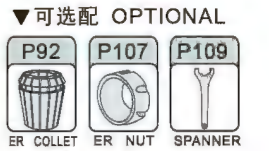
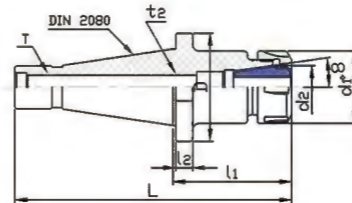
Note: When ordering, please specify the coolant form: Form A, Form AD, Form AD+B. Other type, can be produced according to the order.



NT/ER刀杆

▼A171010-A172110 订单号 Order NO.

NT/ER COLLET CHUCK(DIN 2080)



| Order No. | Type         | L1 | D  | L2 | d1 | T                    | t1        | N.W. (kg) | Price |
|-----------|--------------|----|----|----|----|----------------------|-----------|-----------|-------|
| A171010   | NT30×ER16-45 | 45 | 50 | 8  | 28 | M12×1.7 or 1/2"×W12  | M10×1.5P  | 0.50      |       |
| A171110   | NT30×ER20-45 | 45 | 50 | 8  | 34 |                      | M12×1.75P | 0.60      |       |
| A171210   | NT30×ER25-55 | 55 | 50 | 8  | 42 |                      | M16×2.0P  | 0.65      |       |
| A171310   | NT30×ER32-60 | 60 | 50 | 8  | 50 |                      |           | 0.80      |       |
| A171410   | NT30×ER40-70 | 70 | 50 | 8  | 63 |                      | 0.90      |           |       |
| A171510   | NT40×ER16-45 | 45 | 63 | 10 | 28 | M16×2.0P or 5/8"×W11 | M10×1.5P  | 0.95      |       |
| A171610   | NT40×ER20-45 | 45 | 63 | 10 | 34 |                      | M12×1.75P | 1.20      |       |
| A171710   | NT40×ER25-55 | 55 | 63 | 10 | 42 |                      | M16×2.0P  | 1.25      |       |
| A171810   | NT40×ER32-70 | 70 | 63 | 10 | 50 |                      |           | 1.35      |       |
| A171910   | NT40×ER40-80 | 80 | 63 | 10 | 63 |                      | M20×2.0P  | 1.40      |       |
| A172010   | NT50×ER32-70 | 70 | 98 | 12 | 50 | M24×3.0P or 1"×W24   | M16×2.0P  | 3.20      |       |
| A172110   | NT50×ER40-80 | 80 | 98 | 12 | 63 |                      | M20×2.0P  | 3.40      |       |

注：订购前请先确认本体拉杆牙数为公制或英制。

未涉及的型号，可以根据订单生产。

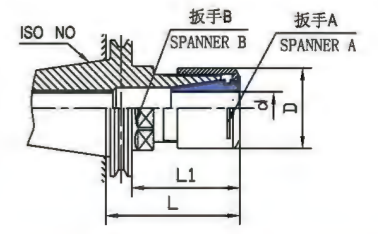
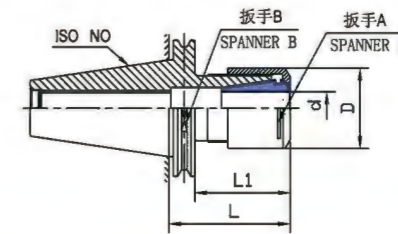
Note: Please inform draw bar's size when purchasing holder.

Other type, can be produced according to the order.

ISO/ER高速小径刀柄

▼A172210-A172710 订单号 Order NO.

NT/ER HIGH SPEED SLIM CHUCK



●Slim designed, suit for deep hole end milling/drilling/reming/undercut machining

●Designed for high-speed and deep small hole ERMS series

●Dynamic balancing: G2.5@30000RPM

●Wrench and collet NOT included

●小径设计, 可进行深孔端铣, 钻铰孔及清角加工

●根据高速及深孔需求所设计的ERMS小径系列

●动平衡: G2.5@30000RPM

●扳手和筒夹为另购产品

| Order No. | Type             | FIG. | Clamping Range | D mm | L1 mm | L mm | Nut       | Spanner 1 | Spanner 2 | N.W (kg) | Price |
|-----------|------------------|------|----------------|------|-------|------|-----------|-----------|-----------|----------|-------|
| A172210   | ISO20-ER16-035MS | 1    | 0.5-10         | 22   | 26    | 35   | HN-ER16MS | ISO20     | HS-ER16MS | 0.15     |       |
| A172310   | ISO25-ER16-035MS | 1    | 0.5-10         | 22   | 26.2  | 35   | HN-ER16MS | ISO25     | HS-ER16MS | 0.2      |       |
| A172410   | ISO25-ER20-035MS | 1    | 1-13           | 28   | 26.2  | 35   | HN-ER20MS | ISO25     | HS-ER20MS | 0.21     |       |
| A172510   | ISO30-ER16-060MS | 2    | 0.5-10         | 22   | 40.9  | 60   | HN-ER16MS | -         | HS-ER16MS | 0.28     |       |
| A172610   | ISO30-ER20-060MS | 2    | 1-13           | 28   | 40.9  | 60   | HN-ER20MS | -         | HS-ER20MS | 0.33     |       |
| A172710   | ISO30-ER25-060MS | 2    | 1-16           | 35   | 40.9  | 60   | HN-ER25MS | -         | HS-ER25MS | 0.38     |       |

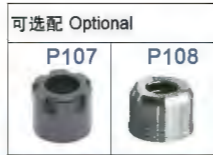
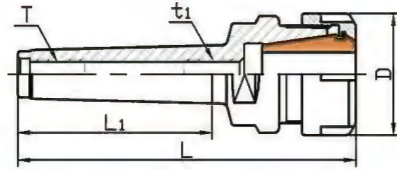




MT/ER刀杆

▼A181010-A181211 订单号 Order NO.

MT/ER COLLET CHUCKS

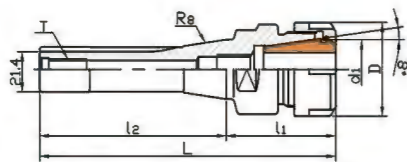


| Order No. | Type        | L   | L1    | D  | t1        | T                  | N.W. (kg) | Price |
|-----------|-------------|-----|-------|----|-----------|--------------------|-----------|-------|
| A181010   | MT2×ER16-40 | 104 | 56    | 28 | M10×1.5P  | M10×1.5P-3/8" W16  | 0.35      |       |
| A181011   | MT2×ER20-50 | 114 | 68    | 34 |           |                    | 0.45      |       |
| A181012   | MT2×ER25-55 | 119 | 68    | 42 |           |                    | 0.5       |       |
| A181013   | MT2×ER32-60 | 124 | 68    | 50 |           |                    | 0.6       |       |
| A181014   | MT2×ER40-70 | 134 | 68    | 63 |           |                    | 0.7       |       |
| A181110   | MT3×ER25-55 | 136 | 85    | 42 | M12×1.75P | M12×1.75P-1/2" W12 | 0.75      |       |
| A181111   | MT3×ER32-60 | 141 | 81    | 50 |           |                    | 0.8       |       |
| A181112   | MT3×ER40-70 | 151 | 81    | 63 |           |                    | 1.25      |       |
| A181210   | MT4×ER32-60 | 162 | 102.5 | 50 | M16×2.0P  | M16×2.0P-5/8" W11  | 0.95      |       |
| A181211   | MT4×ER40-70 | 172 | 102.5 | 63 |           |                    | 1.5       |       |

▼A191010-A191410 订单号 Order NO.

R8/ER刀杆

R8/ER COLLET CHUCK



注:订购前请先确认本体拉杆牙数为公制或英制。未涉及的型号, 可以根据订单生产。

Note: Please inform draw bar's size when purchasing holder.

Other type, can be produced according to the order.

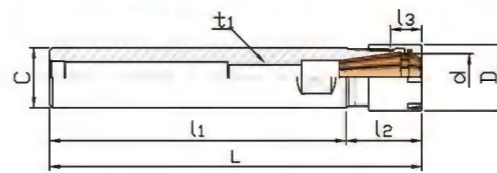
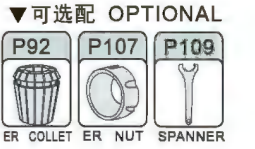
| Order No. | Type       | L   | L1 | D  | t1        | T                     | N.W. (kg) | Price |
|-----------|------------|-----|----|----|-----------|-----------------------|-----------|-------|
| A191010   | R8×ER16-50 | 153 | 50 | 28 | M10×1.5P  | 7/16"×UNF20/M12×1.75P | 0.65      |       |
| A191110   | R8×ER20-50 | 153 | 50 | 34 |           |                       | 0.70      |       |
| A191210   | R8×ER25-55 | 158 | 55 | 42 | M12×1.75P |                       | 0.80      |       |
| A191310   | R8×ER32-60 | 163 | 60 | 50 | M16×2.0P  |                       | 0.90      |       |
| A191410   | R8×ER40-70 | 173 | 70 | 63 | M16×2.0P  |                       | 1.15      |       |



直柄ER夹头组(延长杆)

▼A201010-A202110 订单号 Order NO.

STRAIGHT SHANK ER COLLET CHUCKS



For reducing clamping range of larger spring collet chuck.  
适于小径深处加工



unit:inch

| Order NO. | TYPE            | d     | D    | T        | Price |
|-----------|-----------------|-------|------|----------|-------|
| A201610   | S1/2-ER11-3.50  | 0.433 | 0.75 | M6X1.0P  |       |
| A201611   | S1/2-ER11M-6.65 |       | 0.63 |          |       |
| A201612   | S5/8-ER11M-6.67 |       | 0.75 |          |       |
| A201613   | S5/8-ER11-3.50  | 0.630 | 1.10 | M10X1.5P |       |
| A201710   | S5/8-ER16-3.65  |       | 0.87 |          |       |
| A201711   | S5/8-ER16M-7.10 |       |      |          |       |
| A201712   | S5/8-ER16M-1.38 |       |      |          |       |
| A201713   | S3/4-ER16M-1.38 |       |      |          |       |
| A201714   | S3/4-ER16M-7.10 |       |      |          |       |

unit:mm

| Order No. | Type         | L   | D  |    | L2 | N.W. (kg) | Price |
|-----------|--------------|-----|----|----|----|-----------|-------|
|           |              |     | A  | M  |    |           |       |
| A201010   | C16-ER11-50  | 72  | 19 | 16 | 22 | 0.15      |       |
| A201011   | C16-ER11-100 | 122 | 19 | 16 | 22 | 0.2       |       |
| A201012   | C16-ER11-150 | 172 | 19 | 16 | 22 | 0.25      |       |
| A201110   | C16-ER16-100 | 122 | 28 | 22 | 22 | 0.18      |       |
| A201210   | C20-ER16-50  | 82  | 28 | 22 | 32 | 0.18      |       |
| A201211   | C20-ER16-100 | 132 | 28 | 22 | 32 | 0.25      |       |
| A201212   | C20-ER16-150 | 182 | 28 | 22 | 32 | 0.35      |       |
| A201213   | C20-ER16-200 | 232 | 28 | 22 | 32 | 0.4       |       |
| A201310   | C25-ER16-100 | 122 | 28 | 22 | 22 | 0.35      |       |
| A201311   | C25-ER16-150 | 172 | 28 | 22 | 22 | 0.4       |       |
| A201312   | C25-ER16-200 | 232 | 28 | 22 | 32 | 0.45      |       |
| A201410   | C20-ER20-60  | 93  | 34 | 28 | 33 | 0.2       |       |
| A201411   | C20-ER20-120 | 153 | 34 | 28 | 33 | 0.28      |       |
| A201412   | C20-ER20-150 | 183 | 34 | 28 | 33 | 0.35      |       |
| A201413   | C20-ER20-200 | 235 | 34 | 28 | 35 | 0.4       |       |
| A201510   | C25-ER20-100 | 133 | 34 | 35 | 33 | 0.35      |       |
| A201511   | C25-ER20-150 | 183 | 34 | 35 | 33 | 0.4       |       |
| A201512   | C25-ER20-200 | 235 | 34 | 28 | 35 | 0.45      |       |

| Order NO. | TYPE            | d     | D    | T         | Price |
|-----------|-----------------|-------|------|-----------|-------|
| A201715   | S3/4-ER16-2.50  | 0.630 | 1.10 | M10X1.5P  |       |
| A201716   | S3/4-ER16-4.00  |       |      |           |       |
| A201717   | S3/4-ER16-6.00  |       |      |           |       |
| A201718   | S3/4-ER16-3.65  | 0.787 | 1.34 | M12X1.75P |       |
| A201719   | S1-ER16-7.20    |       |      |           | 0.87  |
| A201810   | S3/4-ER20-2.50  | 0.984 | 1.65 | M16X2P    |       |
| A201811   | S3/4-ER20-4.00  |       |      |           |       |
| A201812   | S3/4-ER20-6.00  |       |      |           |       |
| A201813   | S1-ER20-3.75    |       |      |           |       |
| A201814   | S1-ER20-7.20    | 1.10  |      |           |       |
| A201910   | S1-ER25-6.10    | 1.260 | 1.97 | M16X2P    |       |
| A201911   | S11/4-ER25-6.10 |       |      |           |       |
| A201912   | S11/4-ER25-7.25 |       |      |           |       |
| A201913   | S3/4-ER25-2.00  | 1.574 | 2.48 | M20X2.5P  |       |
| A201914   | S3/4-ER25-4.00  |       |      |           |       |
| A201915   | S1-ER25-2.01    |       |      |           |       |
| A202010   | S1-ER32-6.20    |       |      |           |       |
| A202011   | S11/4-ER32-6.20 |       |      |           |       |
| A202012   | S11/2-ER32-6.20 |       |      |           |       |
| A202013   | S1-ER32-2.03    |       |      |           |       |
| A202110   | S1-ER40-2.56    |       |      |           |       |

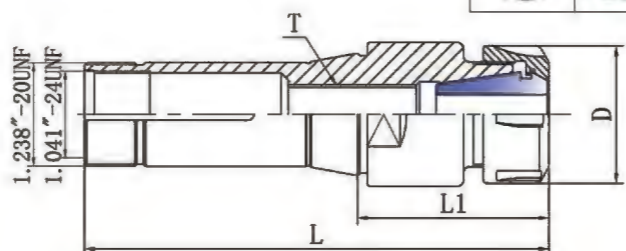




5C/ER刀柄

▼ A211010-A211014 订单号 Order NO.

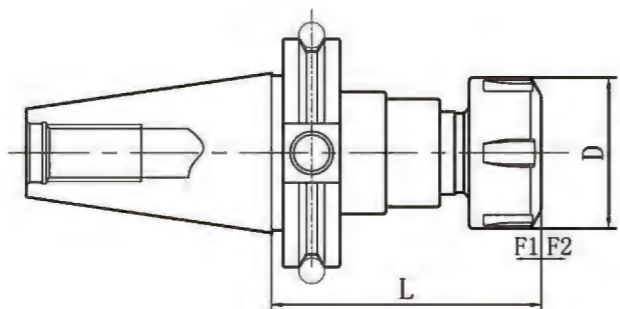
5C /ER COLLET CHUCK



| Order NO. | Type<br>规格 | L1 | L   | D  | T        | Price |
|-----------|------------|----|-----|----|----------|-------|
| A211010   | 5C-ER16    | 50 | 133 | 28 | M11X1P   |       |
| A211011   | 5C-ER20    | 50 | 133 | 34 | M14X1P   |       |
| A211012   | 5C-ER25    | 50 | 133 | 42 | M18X1P   |       |
| A211013   | 5C-ER32    | 55 | 138 | 50 | M22X1.5P |       |
| A211014   | 5C-ER40    | 60 | 143 | 63 | M22X1.5P |       |

▼ A221010-A221510 订单号 Order NO.

刚性伸缩浮动攻丝夹头刀柄  
ER FLOATING TAP COLLET CHUCK



| Order NO. | Type<br>规格         | Collet Series | D     | L      | Compression F1 | Extension F2 | Price |
|-----------|--------------------|---------------|-------|--------|----------------|--------------|-------|
| A221010   | CAT40-TER16-3.02"  | ER16          | 1.1"  | 3.02"  | 0.197"         | 0.315"       |       |
| A221110   | CAT40-TER20-3.386" | ER20          | 1.34" | 3.386" | 0.197"         | 0.315"       |       |
| A221210   | CAT40-TER32-3.543" | ER32          | 1.65" | 3.543" | 0.197"         | 0.315"       |       |
| A221310   | BT40-TER16-3.031"  | ER16          | 1.1"  | 3.031" | 0.197"         | 0.315"       |       |
| A221410   | BT40-TER20-3.386"  | ER20          | 1.34" | 3.543" | 0.197"         | 0.315"       |       |
| A221510   | BT40-TER32-3.543"  | ER20          | 1.65" | 3.543" | 0.197"         | 0.315"       |       |



强力刀柄系列  
Milling Chuck Series



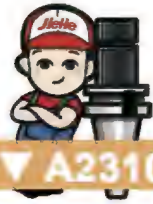
能够弥补把不能止水的夹刀装置，达到完美中心出水。  
能够有效地调节刀具的伸刀长度  
具有止退功能

- 刀柄内孔分割了六槽，以防止刀具转动，增大夹持力
- 采用特殊材料制作滚针轴承保持架，延长使用寿命，增强夹持力
- 具有夹持力大，定心精度高，特别适用于强力切削
- 基本材质：20CrMnTi
- 硬度：58-60HRC，渗碳深度：>0.8mm
- 刀柄柄体做-196℃超长深冷及热时效处理
- 锥柄规格BT/SK (DIN69871) /CAT/HSK/NT/VDI/MT
- 柄锥公差等级：≤AT3
- 标准动平衡G6.3/12000rpm

- Inner hole of the shank divide into 6 troughs to prevent the insert remove, increase the grasp force
- Ball bearing cage is made of special material, improve the endurance, enhance the grasp force
- Grasp force strong, centering accuracy high, suit to heavy cutting
- Material: 20CrMnTi
- Hardness: 58-60HRC, Carburizing depth: >0.8mm
- The chuck has made -196℃ super long cryogenic treatment and thermal aging processing
- Type for BT/SK/CAT/HSK/NT/VDI/MT shank,
- Taper tolerance: ≤AT3
- 100% balanced to G6.3/12000rpm



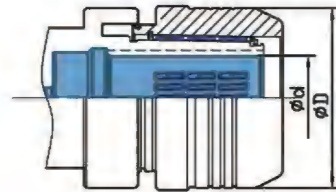
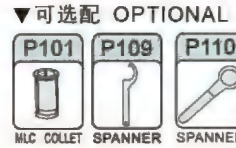
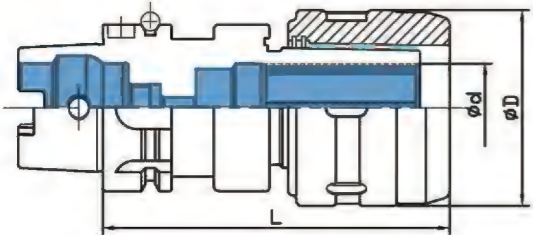




## 高精度强力型刀柄

▼ A231010-A231510 订单号 Order NO.

HSK HIGH PRECISION POWER MILLING CHUCK



### TYPE A



防水, 重切削, 专用滚针扳手, 受力均匀  
Waterproof, Heavy cutting, Special needle wrench, stressed uniformly

### TYPE B



防水, 重切削, 使用方便, 通用性高  
Waterproof, Heavy cutting, Good versatility

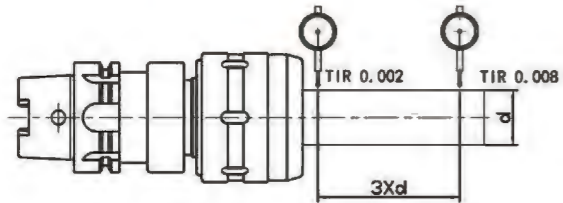
### TYPE C



防水, 重切削, 使用方便, 大夹持力  
Waterproof, Heavy cutting, Large clamping force

| Order NO. | Type              | L   | d  | D  | Price |
|-----------|-------------------|-----|----|----|-------|
| A231010   | HSK40A-MLC20-105  | 105 | 20 | 55 |       |
| A231110   | HSK50A-MLC20-105  | 105 | 20 | 55 |       |
| A231210   | HSK63A-MLC20-105  | 105 | 20 | 55 |       |
| A231310   | HSK63A-MLC32-120  | 120 | 32 | 73 |       |
| A231410   | HSK100A-MLC20-105 | 105 | 20 | 55 |       |
| A231510   | HSK100A-MLC32-120 | 120 | 32 | 73 |       |

可选配 Optinal



| Milling Chuck (Diameter) | Specification DIN69893 A | Run-out (3D) | Clamping torque    |
|--------------------------|--------------------------|--------------|--------------------|
| C20<br>C32               | HSK40A                   | 0-0.008mm    | 980M.m (100Kgf.m)  |
|                          | HSK50A                   |              |                    |
|                          | HSK63A                   |              | 3430M.m (350Kgf.m) |
|                          | HSK100A                  |              |                    |

- 径向跳动精度:  $\leq 0.008\text{mm}$
- 精做动平衡G6.3 15000rpm/20000rpm
- Runout accuracy:  $\leq 0.008\text{mm}$
- Precision balance G6.3 15000rpm/20000rpm



## BT/MLC强力型刀柄

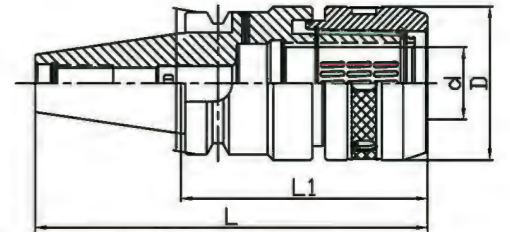
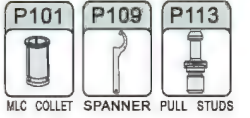
▼ A241010-A241512 订单号 Order NO.

BT/MLC MILLING CHUCK



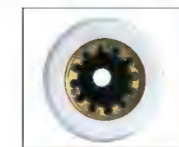
Type:A

▼可选配 OPTIONAL



●A型: 防水, 重切削, 大夹持力  
Waterproof, Heavy cutting, Large clamping force

▼可选配 OPTIONAL



Type:B

Type:C

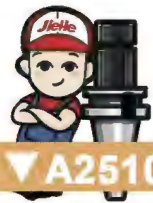
Type:D

仅限BT30型号  
only BT30 style

| Order NO. | Type           | L     | L1  | D   | d1 | d2 | N.W. (kg) | Price |     |  |
|-----------|----------------|-------|-----|-----|----|----|-----------|-------|-----|--|
| A241010   | BT30×MLC20-70  | 118.4 | 70  | 46  | 20 | 55 | 1.8       |       |     |  |
| A241011   | BT30×MLC20-90  | 138.4 | 90  |     |    |    | 2.0       |       |     |  |
| A241111   | BT40×MLC20-100 | 165.4 | 100 | 63  | 20 | 55 | 2.5       |       |     |  |
| A241112   | BT40×MLC20-135 | 200.4 | 135 |     |    |    | 2.8       |       |     |  |
| A241210   | BT40×MLC32-100 | 165.4 | 100 |     |    |    | 32        | 73    | 2.6 |  |
| A241211   | BT40×MLC32-105 | 170.4 | 105 |     |    |    |           |       | 2.8 |  |
| A241212   | BT40×MLC32-135 | 200.4 | 135 | 100 | 32 | 73 | 3.0       |       |     |  |
| A241310   | BT50×MLC20-105 | 206.8 | 105 |     |    |    | 20        | 55    | 4.5 |  |
| A241410   | BT50×MLC32-105 | 206.8 | 105 |     |    |    |           |       | 5   |  |
| A241411   | BT50×MLC32-110 | 211.8 | 110 |     |    |    | 5.2       |       |     |  |
| A241412   | BT50×MLC32-135 | 236.8 | 135 |     |    |    | 5.9       |       |     |  |
| A241413   | BT50×MLC32-165 | 266.8 | 165 |     |    |    | 6.6       |       |     |  |
| A241414   | BT50×MLC32-200 | 301.8 | 200 |     |    |    | 7.3       |       |     |  |
| A241510   | BT50×MLC42-110 | 211.8 | 110 |     |    |    | 42        | 88    | 6.0 |  |
| A241511   | BT50×MLC42-135 | 236.8 | 135 | 6.5 |    |    |           |       |     |  |
| A241512   | BT50×MLC42-165 | 266.8 | 165 | 7.4 |    |    |           |       |     |  |

未涉及的型号, 可根据订单生产  
Other type, can be produced according to the order.

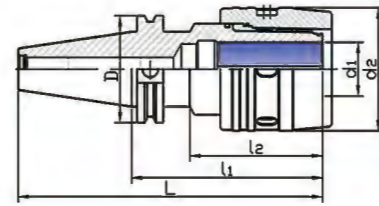
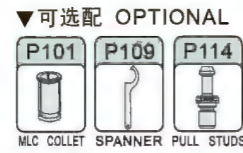




CAT/MLC强力刀柄

▼A251010-A251111 订单号 Order NO.

CAT/MLC MILLING CHUCK

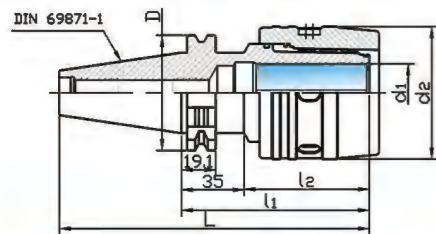


| Order NO. | Type                  | L    | l1    | l2   | D     | d1   | d2   | N.W. (kg) | Price |
|-----------|-----------------------|------|-------|------|-------|------|------|-----------|-------|
| A251010   | CAT40×MLC3/4"-3.385"  | 6.07 | 3.385 | 2.56 | 2.5   | 0.75 | 2.17 | 1.9       |       |
| A251011   | CAT40×MLC3/4"-4.13"   | 6.82 | 4.13  | 2.56 |       | 0.75 | 2.17 | 2.1       |       |
| A251012   | CAT40×MLC1-1/4-4.53"  | 7.22 | 3.385 | 2.76 |       | 1.25 | 2.87 | 2.4       |       |
| A251110   | CAT50×MLC3/4"-4.13"   | 8.13 | 4.13  | 2.56 | 3.875 | 0.75 | 2.17 | 2.5       |       |
| A251111   | CAT50×MLC1-1/4"-4.13" | 8.13 | 4.13  | 2.76 |       | 1.25 | 2.87 | 2.8       |       |

SK/MLC强力刀柄

▼A261010-A261510 订单号 Order NO.

SK/MLC MILLING CHUCK



| Order NO. | Type           | L      | l1  | l2 | D     | d1 | d2 | N.W. (kg) | Price |
|-----------|----------------|--------|-----|----|-------|----|----|-----------|-------|
| A261010   | SK30×MLC20-90  | 137.80 | 90  | 70 | 50    | 20 | 55 | 2.1       |       |
| A261110   | SK40×MLC20-90  | 158.40 | 90  | 70 | 63.55 | 20 | 55 | 2.4       |       |
| A261111   | SK40×MLC20-105 | 173.40 | 105 | 70 | 63.55 | 20 | 55 | 2.5       |       |
| A261112   | SK40×MLC20-135 | 203.40 | 135 | 70 | 63.55 | 20 | 55 | 2.8       |       |
| A261210   | SK40×MLC32-105 | 173.40 | 105 | 75 | 63.55 | 32 | 73 | 2.7       |       |
| A261211   | SK30×MLC32-135 | 203.40 | 135 | 75 | 63.55 | 32 | 73 | 3.0       |       |
| A261310   | SK50×MLC20-105 | 206.75 | 105 | 70 | 97.50 | 20 | 55 | 4.5       |       |
| A261311   | SK50×MLC20-135 | 236.75 | 135 | 70 | 97.50 | 20 | 55 | 4.9       |       |
| A261410   | SK50×MLC32-105 | 206.75 | 105 | 75 | 97.50 | 32 | 73 | 5.2       |       |
| A261411   | SK50×MLC32-135 | 236.75 | 135 | 75 | 97.50 | 32 | 73 | 5.9       |       |
| A261510   | SK50×MLC42-110 | 211.75 | 110 | 90 | 97.50 | 95 | 95 | 6.0       |       |

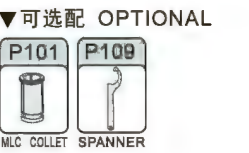
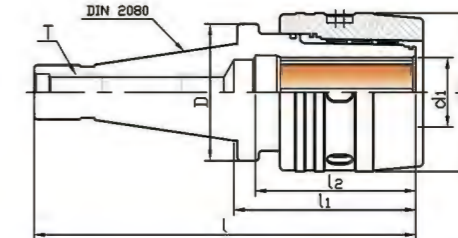
未涉及的型号，可根据订单生产  
Other type, can be produced according to the order.



NT/MLC强力刀柄

▼A271010-A271512 订单号 Order NO.

NT/MLC MILLING CHUCKS(DIN 2080)



| Order NO. | Type           | L     | L1  | L2  | D   | d1 | d2 | T                  | Price |
|-----------|----------------|-------|-----|-----|-----|----|----|--------------------|-------|
| A271010   | NT30×MLC20-75  | 143.4 | 75  | 70  | 50  | 20 | 55 | M12X1.7 1/2"-13UNF |       |
| A271011   | NT30×MLC20-90  | 158.4 | 90  |     |     |    |    |                    |       |
| A271110   | NT40×MLC20-90  | 183.4 | 90  | 70  | 63  | 20 | 55 | M16X2.0 5/8"-11UNF |       |
| A271111   | NT40×MLC20-105 | 198.4 | 105 |     |     |    |    |                    |       |
| A271112   | NT40×MLC20-135 | 228.4 | 135 | 75  | 63  | 32 | 73 | M16X2.0 5/8"-11UNF |       |
| A271210   | NT40×MLC32-90  | 183.4 | 90  |     |     |    |    |                    |       |
| A271211   | NT40×MLC32-105 | 198.4 | 105 | 75  | 63  | 32 | 73 | M16X2.0 5/8"-11UNF |       |
| A271212   | NT40×MLC32-135 | 228.4 | 135 |     |     |    |    |                    |       |
| A271310   | NT50×MLC20-105 | 231.8 | 105 | 70  | 100 | 20 | 55 | M24X3.0 1"-8UNF    |       |
| A271311   | NT50×MLC20-150 | 276.8 | 150 |     |     |    |    |                    |       |
| A271410   | NT50×MLC32-105 | 231.8 | 105 | 75  | 100 | 32 | 73 | M24X3.0 1"-8UNF    |       |
| A271411   | NT50×MLC32-135 | 261.8 | 135 |     |     |    |    |                    |       |
| A271412   | NT50×MLC32-165 | 291.8 | 165 | 90  | 100 | 42 | 95 | M24X3.0 1"-8UNF    |       |
| A271413   | NT50×MLC32-200 | 326.8 | 200 |     |     |    |    |                    |       |
| A271510   | NT50×MLC42-110 | 236.8 | 110 | 125 | 100 | 42 | 95 | M24X3.0 1"-8UNF    |       |
| A271511   | NT50×MLC42-130 | 256.8 | 130 |     |     |    |    |                    |       |
| A271512   | NT50×MLC42-165 | 291.8 | 165 | 90  | 100 | 42 | 95 | M24X3.0 1"-8UNF    |       |

未涉及的型号，可根据订单生产  
Other type, can be produced according to the order.





# 后拉式筒夹刀柄 Collet Chuck, Extra Slim



- 后拉式刀柄用于高速精密加工，无螺帽的设计，避免加工时对工件的干涉
  - 筒夹后拉式的设计，刚性强、稳定性高
  - -196℃超长深冷处理，减少残余应力，耐磨性显著提高
  - 超长定型热时效去除磨加工时的残余内应力
  - 刀柄本体内锥跳动：≤0.002
  - 每只刀柄配有一只扳手
  - 锥柄规格BT/SK (DIN69871)/CAT/HSK/NT
  - 标准动平衡G2.5/30000rpm
- Used for high precision machining, no clamping nut required, avoiding the interference of workpiece during machining
  - The design of collet pull, stronger rigidity, higher stability
  - -196℃ long cryogenic treatment, reduce residual stress, wear resistance improved significantly
  - Super long stereotypes heat can effectively remove the residual stress during the grinding processing
  - Run-out: ≤0.002mm
  - Each toolholder is equipped with a spanner
  - Type for BT/SK/CAT/HSK/NT shank,
  - 100% balanced to G6.3/12000rpm



## BT/DC后拉式刀杆

▼ A281010-A281711 订单号 Order NO.

BT/DC Silm-Fit Collet Chuck

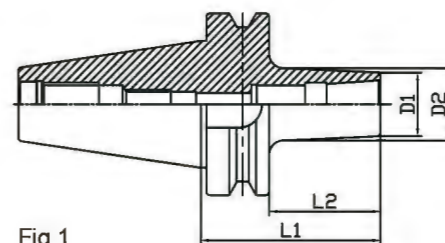


Fig.1

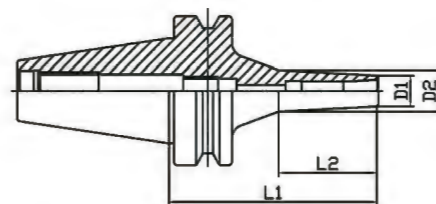


Fig.2

### 特点

1. DC刀柄适用于高速精密加工。无螺帽设计，降低加工时物件干涩
2. 标准动平衡G2.5 30000rpm
3. 每只DC刀柄均附一支扳手

### Features

1. DC tool holder is suitable for high-speed and high precision cutting. Tool holder designed without nut could reduce vibration
2. Balance of G2.5 at 30000rpm
3. Wrench is attached for each DC tool holder

### ▼可选配 OPTIONAL



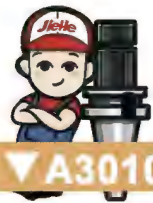
| Order NO. | Type          | Gripping Range | Collet | L1  | L2 | D1 | D2   | Fig. | N.W. (kg) | Price |
|-----------|---------------|----------------|--------|-----|----|----|------|------|-----------|-------|
| A281010   | BT30XDC06-60  | 2~6            | DC6    | 60  | 26 | 14 | 15.5 | 2    | 0.50      |       |
| A281011   | BT30XDC06-90  |                |        | 90  | 50 |    | 18   |      |           |       |
| A281012   | BT30XDC08-60  | 2~10           | DC8    | 60  | 40 | 16 | 20.5 | 2    | 0.55      |       |
| A281013   | BT30XDC08-90  |                |        | 90  | 60 |    | 23   |      |           |       |
| A281110   | BT30XDC12-80  | 3~12           | DC12   | 80  | 60 | 23 | 31   | 2    | 1.20      |       |
| A281111   | BT30XDC12-110 |                |        | 110 | 90 |    | 35   |      |           |       |

|         |               |      |      |      |      |    |      |   |      |      |
|---------|---------------|------|------|------|------|----|------|---|------|------|
| A281210 | BT40XDC06-60  | 2~6  | DC6  | 60   | 26   | 14 | 16   | 2 | 1.10 |      |
| A281211 | BT40XDC06-90  |      |      | 90   | 42   |    | 17.4 |   | 1.20 |      |
| A281212 | BT40XDC06-120 |      |      | 120  | 60   |    | 19.5 |   | 1.30 |      |
| A281213 | BT40XDC06-150 |      |      | 150  | 76   |    | 21   |   | 1.50 |      |
| A281310 | BT40XDC08-90  | 3~8  | DC8  | 90   | 60   |    | 23   | 1 | 1.20 |      |
| A281311 | BT40XDC08-120 |      |      | 120  | 80   |    | 25.5 |   | 1.30 |      |
| A281410 | BT40XDC12-90  | 3~12 | DC12 | 90   | 65   | 23 | 31   | 1 | 1.30 |      |
| A281411 | BT40XDC12-120 |      |      | 120  | 95   |    | 38   |   | 1.70 |      |
| A281412 | BT40XDC12-150 |      |      | 150  | 88   |    | 40   |   | 2    | 1.90 |
| A281510 | BT40XDC16-95  |      |      | 5~16 | DC16 |    | 95   |   | 70   | 28   |
| A281511 | BT40XDC16-125 | 125  | 100  |      |      | 38 | 1.60 |   |      |      |

|         |               |      |      |     |     |    |      |   |      |  |
|---------|---------------|------|------|-----|-----|----|------|---|------|--|
| A281610 | BT50XDC12-100 | 3~12 | DC12 | 100 | 65  | 23 | 31   | 1 | 4.10 |  |
| A281611 | BT50XDC12-150 |      |      | 150 | 115 |    | 38.5 |   | 4.40 |  |
| A281710 | BT50XDC16-100 | 5~16 | DC16 | 100 | 65  | 28 | 34.5 | 1 | 4.00 |  |
| A281711 | BT50XDC16-150 |      |      | 150 | 90  |    | 35.5 |   | 4.20 |  |

未涉及的型号，可根据订单生产  
Other type, can be produced according to the order.

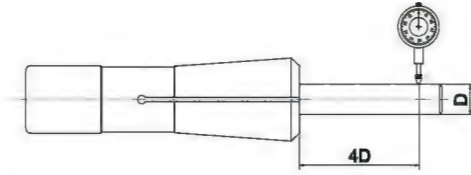
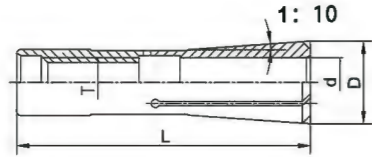




DC筒夹

▼A301010-A301321 订单号 Order NO.

DC COLLET



- 偏摆精度: 5μ以下 (延伸4D长度)
- 筒夹设计重点是强调立铣刀的夹持力
- 立铣刀专用夹头
- 铣刀柄插入筒夹内长度需达“11”长度以上, 以发挥最佳效果
- Run-out accuracy: within 5μ (4D)
- The design of collets is emphasized on increase the clamping force of end mill
- Special designed for end mill
- Inserte the end mill into collect must reach length “11” to get best effect

| Order NO. | Type       | Clamping Range d1 | d     | D   | L  | T        | Price |
|-----------|------------|-------------------|-------|-----|----|----------|-------|
| A301010   | DC6-2      | 2                 | 2     | 9.6 | 36 | M5×0.8P  |       |
| A301011   | DC6-3      | 3                 | 3     |     |    |          |       |
| A301012   | DC6-3.175  | 3.175             | 3.175 |     |    |          |       |
| A301013   | DC6-4      | 4                 | 4     |     |    |          |       |
| A301014   | DC6-5      | 5                 | 5     |     |    |          |       |
| A301015   | DC6-6      | 6                 | 6     | 15  | 45 | M5×0.8P  |       |
| A301110   | DC8-3      | 3                 | 3     |     |    |          |       |
| A301111   | DC8-3.175  | 3.175             | 3.175 |     |    |          |       |
| A301112   | DC8-4      | 4                 | 4     |     |    |          |       |
| A301113   | DC8-5      | 5                 | 5     |     |    |          |       |
| A301114   | DC8-6      | 6                 | 6     | 22  | 66 | M8×1.25P |       |
| A301115   | DC8-7      | 7                 | 7     |     |    |          |       |
| A301116   | DC8-8      | 8                 | 8     |     |    |          |       |
| A301210   | DC12-3     | 3                 | 3     |     |    |          |       |
| A301211   | DC12-3.175 | 3.175             | 3.175 |     |    |          |       |
| A301212   | DC12-4     | 4                 | 4     | 24  | 61 | M8×1.25P |       |
| A301213   | DC12-5     | 5                 | 5     |     |    |          |       |
| A301214   | DC12-6     | 6                 | 6     |     |    |          |       |
| A301215   | DC12-7     | 7                 | 7     |     |    |          |       |
| A301216   | DC12-8     | 8                 | 8     |     |    |          |       |
| A301217   | DC12-10    | 10                | 10    | 24  | 61 | M8×1.25P |       |
| A301218   | DC12-11    | 11                | 11    |     |    |          |       |
| A301219   | DC12-12    | 12                | 12    |     |    |          |       |
| A301310   | DC16-5     | 5                 | 5     |     |    |          |       |
| A301311   | DC16-6     | 6                 | 6     |     |    |          |       |
| A301312   | DC16-7     | 7                 | 7     | 24  | 61 | M8×1.25P |       |
| A301313   | DC16-8     | 8                 | 8     |     |    |          |       |
| A301314   | DC16-9     | 9                 | 9     |     |    |          |       |
| A301315   | DC16-10    | 10                | 10    |     |    |          |       |
| A301316   | DC16-11    | 11                | 11    |     |    |          |       |
| A301317   | DC16-12    | 12                | 12    | 24  | 61 | M8×1.25P |       |
| A301318   | DC16-13    | 13                | 13    |     |    |          |       |
| A301319   | DC16-14    | 14                | 14    |     |    |          |       |
| A301320   | DC16-15    | 15                | 15    |     |    |          |       |
| A301321   | DC16-16    | 16                | 16    |     |    |          |       |



## 侧固式刀柄系列 End Mill Holder Series



- 锥柄规格BT/SK (DIN69871) /CAT/NMTB/HSK/NT /MT/R8
- 孔径公差H5
- 刚性夹持, 用于重切削
- 侧固式刀柄被用作刀具的工具刀柄
- 装入刀具时, 刀具的槽口平面部分与刀柄的侧固螺钉封齐, 强力锁定
- 在订购刀柄时需注明刀柄本体的冷却形式: A型、AD型、AD+B型
- 标准动平衡G6.3/15000rpm
- Type for BT/SK/CAT/NMTB/HSK/NT /MT/R8 shank
- Aperture tolerance:H5
- Used for remachining with rigidly grip
- End mill chuck used to be the holder of cutting tools
- When attaching, cutting tools, with strong side aligned lock between the plane of the part and notch solid screws
- When ordering, please specify the form: Form A、Form AD、Form AD+B
- 100% balanced to G6.3/15000rpm



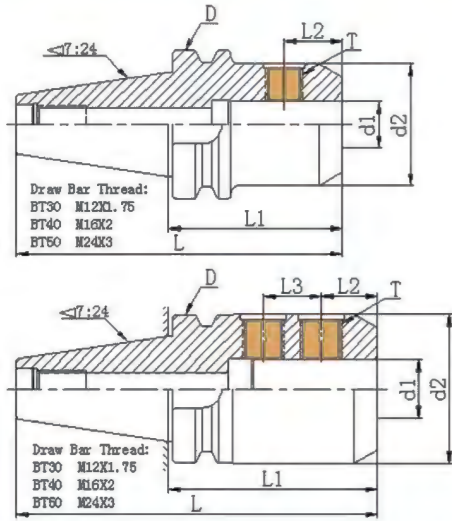




BT/SLN侧固式铣刀杆

▼A311010-A313310 订单号Order NO.

BT SLN END MILL ADAPTERS



d1 ≤ 20



d1 ≥ 25

Unit:mm

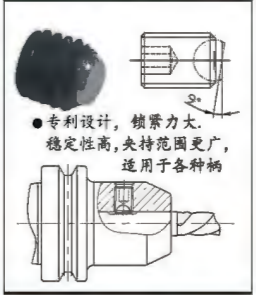
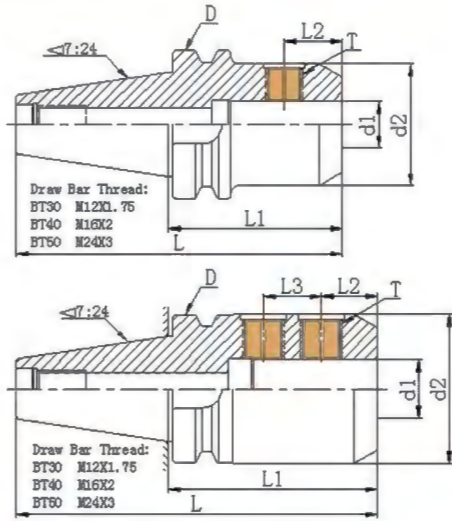
| Order NO. | Type           | d1 | L1  | L     | L2   | L3 | D   | d2 | T         | N.W. kg | Price |
|-----------|----------------|----|-----|-------|------|----|-----|----|-----------|---------|-------|
| A311010   | BT30×SLN6-75   | 6  | 75  | 123.4 | 18   | -  | 46  | 25 | M6×1.0P   | 0.6     |       |
| A311110   | BT30×SLN8-75   | 8  | 75  | 123.4 | 18   |    |     | 28 | M8×1.25P  | 0.65    |       |
| A311210   | BT30×SLN10-75  | 10 | 75  | 123.4 | 20   |    |     | 35 | M10×1.5P  | 0.7     |       |
| A311310   | BT30×SLN12-75  | 12 | 75  | 123.4 | 22.5 |    |     | 42 | M12×1.75P | 0.75    |       |
| A311410   | BT30×SLN16-75  | 16 | 75  | 123.4 | 24   |    |     | 48 | M14×2.0P  | 1.05    |       |
| A311510   | BT30×SLN20-75  | 20 | 75  | 123.4 | 25   |    |     | 52 | M16×2.0P  | 1.15    |       |
| A311610   | BT30×SLN25-75  | 25 | 75  | 123.4 | 24   | 25 |     | 65 | M18×2.0P  | 1.8     |       |
| A311611   | BT30×SLN25-90  | 25 | 90  | 138.4 | 24   | 25 |     | 65 | M18×2.0P  | 1.9     |       |
| A311710   | BT40×SLN6-50   | 6  | 50  | 115.4 | 18   | -  | 63  | 25 | M6×1.0P   | 1.1     |       |
| A311711   | BT40×SLN6-150  | 6  | 150 | 215.4 | 18   |    |     | 25 | M6×1.0P   | 1.32    |       |
| A311810   | BT40×SLN8-50   | 8  | 50  | 115.4 | 18   |    |     | 28 | M8×1.25P  | 1.1     |       |
| A311910   | BT40×SLN10-63  | 10 | 63  | 128.4 | 20   |    |     | 35 | M10×1.8P  | 1.25    |       |
| A312010   | BT40×SLN12-63  | 12 | 63  | 128.4 | 22.5 |    |     | 42 | M12×1.75P | 1.3     |       |
| A312110   | BT40×SLN16-63  | 16 | 63  | 128.4 | 24   |    |     | 48 | M14×2.0P  | 1.4     |       |
| A312111   | BT40×SLN16-150 | 16 | 150 | 215.4 | 24   |    |     | 48 | M14×2.0P  | 1.6     |       |
| A312210   | BT40×SLN20-63  | 20 | 63  | 128.4 | 25   |    |     | 52 | M16×2.0P  | 1.4     |       |
| A312310   | BT40×SLN25-90  | 25 | 90  | 155.4 | 24   | 25 |     | 65 | M18×2.0P  | 2.5     |       |
| A312311   | BT40×SLN32-100 | 32 | 100 | 165.4 | 24   | 28 |     | 72 | M20×2.0P  | 2.75    |       |
| A312410   | BT50×SLN6-63   | 6  | 63  | 164.8 | 18   | -  | 100 | 25 | M6×1.0P   | 3.8     |       |
| A312510   | BT50×SLN8-63   | 8  | 63  | 164.8 | 18   |    |     | 28 | M8×1.250P | 3.8     |       |
| A312610   | BT50×SLN10-63  | 10 | 63  | 164.8 | 20   |    |     | 35 | M10×1.5P  | 3.8     |       |
| A312710   | BT50×SLN12-80  | 12 | 80  | 181.8 | 22.5 |    |     | 42 | M12×1.75P | 4       |       |
| A312810   | BT50×SLN16-80  | 16 | 80  | 181.8 | 24   |    |     | 48 | M14×2.0P  | 4.4     |       |
| A312910   | BT50×SLN20-80  | 20 | 80  | 181.8 | 25   |    |     | 52 | M16×2.0P  | 4.4     |       |
| A313010   | BT50×SLN25-100 | 25 | 100 | 201.8 | 24   | 25 |     | 65 | M18×2.0P  | 5.1     |       |
| A313110   | BT50×SLN32-105 | 32 | 105 | 206.8 | 24   | 28 |     | 72 | M20×2.0P  | 5.2     |       |
| A313210   | BT50×SLN40-115 | 40 | 115 | 216.8 | 30   | 32 |     | 90 | M20×2.0P  | 6.6     |       |
| A313310   | BT50×SLN42-120 | 42 | 120 | 221.8 | 30   | 32 |     | 90 | M20×2.0P  | 6.7     |       |



BT/SLN侧固式铣刀杆

▼A321010-A322610 订单号Order NO.

BT SLN END MILL ADAPTERS



d1 ≤ 3/4"



d1 ≥ 7/8"

Unit:in

| Order NO. | Type                | d1     | L1    | L      | L2    | L3    | D      | d2       | T        | Price |
|-----------|---------------------|--------|-------|--------|-------|-------|--------|----------|----------|-------|
| A321010   | BT30-EM1/8"-2.38"   | 1/8"   | 2.38" | 4.286" | 0.38" | -     | 1.81"  | 0.75"    | 3/16"-24 |       |
| A321110   | BT30-EM3/16"-2.38"  | 3/16"  | 2.38" | 4.286" | 0.38" |       |        | 0.75"    | 3/16"-24 |       |
| A321210   | BT30-EM1/4"-2.38"   | 1/4"   | 2.38" | 4.286" | 0.5"  |       |        | 0.81"    | 1/4"-20  |       |
| A321310   | BT30-EM3/8"-2.38"   | 3/8"   | 2.38" | 4.286" | 0.75" |       |        | 1.38"    | 3/8"-16  |       |
| A321410   | BT30-EM1/2"-2.38"   | 1/2"   | 2.38" | 4.286" | 0.88" |       |        | 1.38"    | 7/16"-14 |       |
| A321510   | BT30-EM5/8"-2.38"   | 5/8"   | 2.38" | 4.286" | 0.94" |       |        | 1.44"    | 1/2"-13  |       |
| A321610   | BT30-EM3/4"-2.38"   | 3/4"   | 2.38" | 4.286" | 1"    |       |        | 1.75"    | 5/8"-11  |       |
| A321710   | BT30-EM1"-2.75"     | 1"     | 2.75" | 4.656" | 1.12" |       |        | 2.38"    | 3/4"-10  |       |
| A321810   | BT40-EM3/8"-1.38"   | 3/8"   | 1.38" | 3.955" | 0.75" | -     |        | 1"       | 3/8"-16  |       |
| A321811   | BT40-EM3/8"-2.25"   | 3/8"   | 2.25" | 4.825" | 0.75" |       |        | 1"       | 3/8"-16  |       |
| A321812   | BT40-EM3/8"-4.00"   | 3/8"   | 4"    | 6.575" | 0.75" |       | 1"     | 3/8"-16  |          |       |
| A321910   | BT40-EM7/16"-2.62"  | 7/16"  | 2.62" | 5.195" | 0.75" |       | 1.25"  | 3/8"-16  |          |       |
| A322010   | BT40-EM1/2"-1.75"   | 1/2"   | 1.75" | 4.325" | 0.88" | -     | 1.25"  | 7/16"-14 |          |       |
| A322011   | BT40-EM1/2"-2.25"   | 1/2"   | 2.25" | 4.825" | 0.88" |       | 1.25"  | 7/16"-14 |          |       |
| A322012   | BT40-EM1/2"-4.00"   | 1/2"   | 4"    | 6.575" | 0.88" |       | 1.25"  | 7/16"-14 |          |       |
| A322110   | BT40-EM5/8"-1.75"   | 5/8"   | 1.75" | 4.325" | 0.88" | -     | 1.5"   | 1/2"-13  |          |       |
| A322111   | BT40-EM5/8"-2.25"   | 5/8"   | 2.25" | 4.825" | 0.88" |       | 1.5"   | 1/2"-13  |          |       |
| A322112   | BT40-EM5/8"-6.00"   | 5/8"   | 6"    | 8.575" | 0.88" |       | 1.5"   | 1/2"-13  |          |       |
| A322210   | BT40-EM3/4"-1.75"   | 3/4"   | 1.75" | 4.325" | 1"    | -     | 1.75"  | 5/8"-11  |          |       |
| A322211   | BT40-EM3/4"-3.38"   | 3/4"   | 3.38" | 5.955" | 1"    |       | 1.75"  | 5/8"-11  |          |       |
| A322212   | BT40-EM3/4"-6.00"   | 3/4"   | 6"    | 8.575" | 1"    |       | 1.75"  | 5/8"-11  |          |       |
| A322310   | BT40-EM7/8"-3.75"   | 7/8"   | 3.75" | 6.325" | 1"    | 0.88" | 1.88"  | 5/8"-11  |          |       |
| A322410   | BT40-EM1"-1.75"     | 1"     | 1.75" | 4.325" | 1.12" | -     | 2"     | 5/8"-11  |          |       |
| A322411   | BT40-EM1"-4.00"     | 1"     | 4"    | 6.575" | 1.12" | 1"    | 2"     | 3/4"-10  |          |       |
| A322412   | BT40-EM1"-6.00"     | 1"     | 6"    | 8.575" | 1.12" | 1"    | 2"     | 3/4"-10  |          |       |
| A322510   | BT40-EM1-1/4"-2.00" | 1-1/4" | 2"    | 4.575" | 1.12" | -     | 2.362" | 5/8"-11  |          |       |
| A322511   | BT40-EM1-1/4"-4.00" | 1-1/4" | 4"    | 6.575" | 1.12" | 1.12" | 2.362" | 3/4"-10  |          |       |
| A322610   | BT40-EM1-1/2"-4.00" | 1-1/2" | 4"    | 6.575" | 1.12" | 1"    | 2.62"  | 3/4"-10  |          |       |

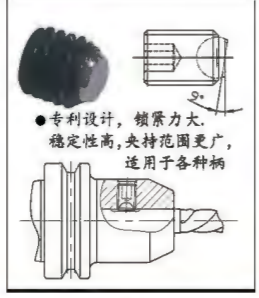
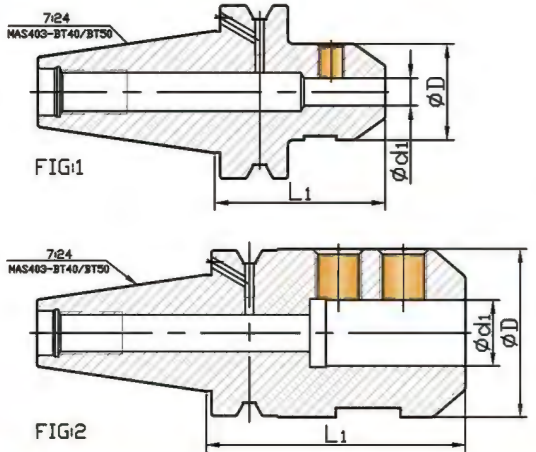




BT/SLN侧固式铣刀杆-出水结构

▼A331010-A332910 订单号 Order NO.

BT/SLN END MILL ADAPTERS WITH COOLANT



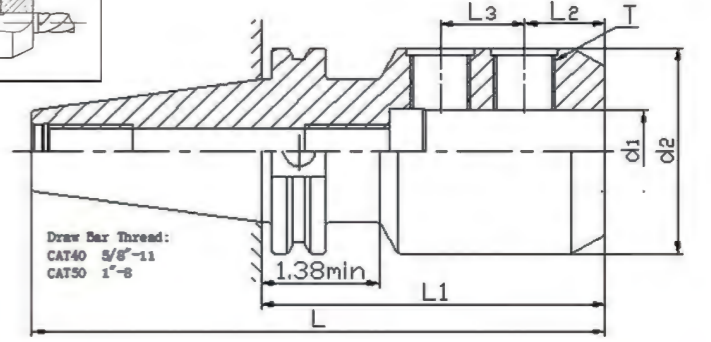
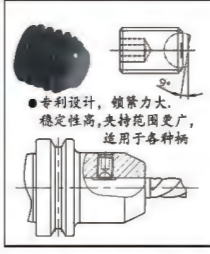
| Order NO. | Type              | Φd1 | ΦD | L1  | Fig | Price |
|-----------|-------------------|-----|----|-----|-----|-------|
| A331010   | BT40-SLN06-50(B)  | 06  | 25 | 50  | 1   |       |
| A331110   | BT40-SLN08-50(B)  | 08  | 28 | 50  | 1   |       |
| A331210   | BT40-SLN10-63(B)  | 10  | 35 | 63  | 1   |       |
| A331310   | BT40-SLN12-63(B)  | 12  | 42 | 63  | 1   |       |
| A331410   | BT40-SLN14-63(B)  | 14  | 44 | 63  | 1   |       |
| A331510   | BT40-SLN16-63(B)  | 16  | 48 | 63  | 1   |       |
| A331610   | BT40-SLN18-63(B)  | 18  | 50 | 63  | 1   |       |
| A331710   | BT40-SLN20-63(B)  | 20  | 52 | 63  | 1   |       |
| A331810   | BT40-SLN25-90(B)  | 25  | 65 | 90  | 2   |       |
| A331910   | BT40-SLN32-100(B) | 32  | 72 | 100 | 2   |       |
| A332010   | BT50-SLN06-50(B)  | 06  | 25 | 50  | 1   |       |
| A332110   | BT50-SLN08-50(B)  | 08  | 28 | 50  | 1   |       |
| A332210   | BT50-SLN10-63(B)  | 10  | 35 | 63  | 1   |       |
| A332310   | BT50-SLN12-63(B)  | 12  | 42 | 63  | 1   |       |
| A332410   | BT50-SLN14-63(B)  | 14  | 44 | 63  | 1   |       |
| A332510   | BT50-SLN16-63(B)  | 16  | 48 | 63  | 1   |       |
| A332610   | BT50-SLN18-63(B)  | 18  | 50 | 63  | 1   |       |
| A332710   | BT50-SLN20-63(B)  | 20  | 52 | 63  | 1   |       |
| A332810   | BT50-SLN25-90(B)  | 25  | 65 | 90  | 2   |       |
| A332910   | BT50-SLN32-105(B) | 32  | 72 | 105 | 2   |       |



CAT/SLN 侧固式刀杆

▼A341010-A342211 订单号 Order NO.

CAT/SLN END MILL HOLDER



| Order NO. | Type                  | L     | L1   | L2    | L3  | d1    | d2     | T       | Price |
|-----------|-----------------------|-------|------|-------|-----|-------|--------|---------|-------|
| A341010   | CAT40-SLN1/8"-2.31"   | 4.997 | 2.31 | 0.37  | -   | 1/8   | 0.79   | 3/16-24 |       |
| A341011   | CAT40-SLN1/8"-4.72"   | 7.407 | 4.72 | 0.370 |     | 1/8   | 0.787  | 3/16-24 |       |
| A341110   | CAT40-SLN3/16"-2.31"  | 4.997 | 2.31 | 0.562 |     | 3/16  | 0.984  | 1/4-20  |       |
| A341111   | CAT40-SLN3/16"-2.50"  | 5.187 | 2.50 | 0.562 |     | 3/16  | 0.984  | 1/4-20  |       |
| A341112   | CAT40-SLN3/16"-4.72"  | 7.407 | 4.72 | 0.562 |     | 3/16  | 0.984  | 1/4-20  |       |
| A341210   | CAT40-SLN1/4"-2.50"   | 5.187 | 2.50 | 0.630 |     | 1/4   | 1.38   | 1/4-20  |       |
| A341211   | CAT40×SLN1/4"-3.00"   | 5.687 | 3.00 | 0.63  |     | 1/4   | 1.38   | 1/4-20  |       |
| A341310   | CAT40-SLN5/16"-2.50"  | 5.187 | 2.50 | 0.630 |     | 5/16  | 1.38   | 5/16-18 |       |
| A341311   | CAT40×SLN5/16"-3.00"  | 5.687 | 3.00 | 0.63  |     | 5/16  | 1.38   | 5/16-18 |       |
| A341312   | CAT40-SLN5/16"-4.72"  | 7.407 | 4.72 | 0.630 |     | 5/16  | 1.38   | 5/16-18 |       |
| A341410   | CAT40-SLN3/8"-2.50"   | 5.187 | 2.50 | 0.750 |     | 3/8   | 1.535  | 3/8-16  |       |
| A341411   | CAT40×SLN3/8"-3.00"   | 5.687 | 3.00 | 0.75  |     | 3/8   | 1.535  | 3/8-16  |       |
| A341510   | CAT40-SLN1/2"-2.50"   | 5.187 | 2.50 | 0.875 |     | 1/2   | 1.75   | 7/16-14 |       |
| A341511   | CAT40-SLN1/2"-2.62"   | 5.307 | 2.62 | 0.875 |     | 1/2   | 1.75   | 7/16-14 |       |
| A341512   | CAT40×SLN1/2"-3.00"   | 5.687 | 3.00 | 0.875 |     | 1/2   | 1.75   | 7/16-14 |       |
| A341710   | CAT40-SLN9/16"-3.00"  | 5.687 | 3.00 | 0.875 |     | 9/16  | 1.75   | 7/16-14 |       |
| A341810   | CAT40×SLN5/8"-3.00"   | 5.687 | 3.00 | 0.937 | 5/8 | 1.85  | 1/2-13 |         |       |
| A341811   | CAT40-SLN5/8"-3.75"   | 6.437 | 3.75 | 0.937 | 5/8 | 1.85  | 1/2-13 |         |       |
| A341910   | CAT40-SLN3/4"-3.00"   | 5.687 | 3.00 | 1.000 | 3/4 | 1.929 | 5/8-11 |         |       |
| A341911   | CAT40×SLN3/4"-3.50"   | 6.187 | 3.50 | 1     | 3/4 | 1.929 | 5/8-11 |         |       |
| A341912   | CAT40-SLN3/4"-3.75"   | 6.437 | 3.75 | 1.000 | 3/4 | 1.929 | 5/8-11 |         |       |
| A342010   | CAT40×SLN7/8"-3.50"   | 6.187 | 3.50 | 1.063 | 7/8 | 2.36  | 5/8-11 |         |       |
| A342110   | CAT40×SLN1"-4.00"     | 6.687 | 4.00 | 1.125 | 1   | 1     | 2.56   | 3/4-10  |       |
| A342210   | CAT40-SLN1-1/4"-4.25" | 6.937 | 4.25 | 1.125 |     | 1-1/4 | 2.56   | 3/4-10  |       |
| A342211   | CAT40×SLN1-1/4"-4.60" | 7.287 | 4.60 | 1.125 |     | 1-1/4 | 2.56   | 3/4-10  |       |

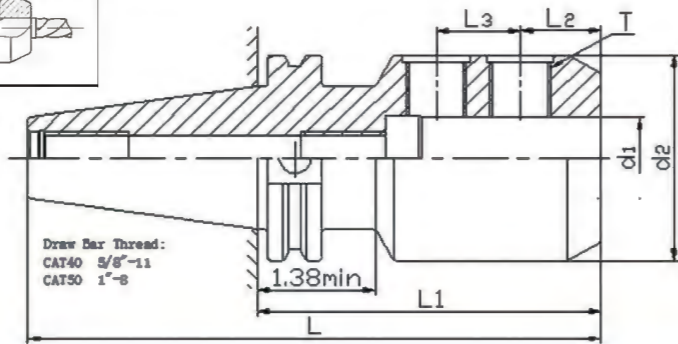




CAT/SLN 侧固式刀杆

▼A342310-A343811 订单号 Order NO.

CAT/SLN END MILL HOLDER



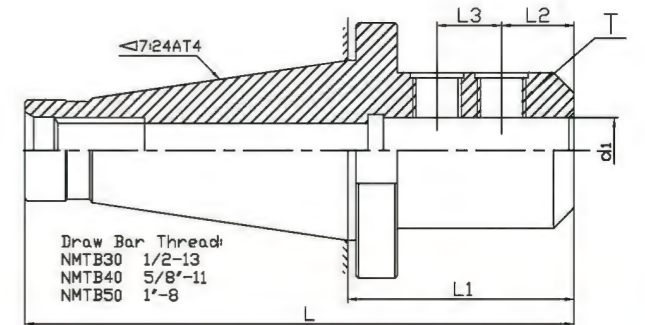
| Order NO. | Type                  | L     | L1   | L2    | L3    | d1   | d2     | T       | Price  |  |
|-----------|-----------------------|-------|------|-------|-------|------|--------|---------|--------|--|
| A342310   | CAT50-SLN1/8"-4.00"   | 8.00  | 4.00 | 0.563 | —     | 1/8  | 0.75   | 3/16-24 |        |  |
| A342410   | CAT50-SLN3/16"-4.00"  | 8.00  | 4.00 | 0.563 |       | 3/16 | 0.75   | 1/4-20  |        |  |
| A342510   | CAT50-SLN1/4"-2.50"   | 6.50  | 2.50 | 0.781 |       | 1/4  | 0.8125 | 1/4-20  |        |  |
| A342511   | CAT50×SLN1/4"-4.00"   | 8.00  | 4.00 | 0.781 |       | 1/4  | 0.8125 | 1/4-20  |        |  |
| A342610   | CAT50×SLN5/16"-4.00"  | 8.00  | 4.00 | 0.781 |       | 5/16 | 0.875  | 5/16-18 |        |  |
| A342710   | CAT50-SLN7/16"-4.00"  | 8.00  | 4.00 | 0.875 |       | 7/16 | 1.25   | 3/8-16  |        |  |
| A342810   | CAT50-SLN9/16"-4.00"  | 8.00  | 4.00 | 0.880 |       | 9/16 | 1.38   | 7/16-14 |        |  |
| A342910   | CAT50-SLN3/8"-2.50"   | 6.50  | 2.50 | 0.781 |       | 3/8  | 1      | 3/8-16  |        |  |
| A342911   | CAT50×SLN3/8"-4.00"   | 8.00  | 4.00 | 0.781 |       | 3/8  | 1      | 3/8-16  |        |  |
| A343010   | CAT50-SLN1/2"-2.63"   | 6.63  | 2.63 | 0.875 |       | 1/2  | 1.38   | 7/16-14 |        |  |
| A343011   | CAT50×SLN1/2"-4.00"   | 8.00  | 4.00 | 0.875 |       | 1/2  | 1.38   | 7/16-14 |        |  |
| A343012   | CAT50-SLN1/2"-4.62"   | 8.62  | 4.62 | 0.875 |       | 1/2  | 1.38   | 7/16-14 |        |  |
| A343110   | CAT50-SLN5/8"-3.00"   | 7.00  | 3.00 | 0.938 | 0.875 | 5/8  | 1.75   | 1/2-13  |        |  |
| A343111   | CAT50-SLN5/8"-3.75"   | 7.75  | 3.75 | 0.938 |       | 5/8  | 1.75   | 1/2-13  |        |  |
| A343112   | CAT50×SLN5/8"-4.00"   | 8.00  | 4.00 | 0.938 |       | 5/8  | 1.75   | 1/2-13  |        |  |
| A343210   | CAT50-SLN3/4"-3.75"   | 7.75  | 3.75 | 1.000 |       | 3/4  | 1.75   | 5/8-11  |        |  |
| A343211   | CAT50×SLN3/4"-4.00"   | 8.00  | 4.00 | 1     |       | 3/4  | 1.75   | 5/8-11  |        |  |
| A343310   | CAT50-SLN7/8"-3.75"   | 7.75  | 3.75 | 1.063 |       | 7/8  | 2.047  | 5/8-11  |        |  |
| A343311   | CAT50×SLN7/8"-4.00"   | 8.00  | 4.00 | 1.063 |       | 7/8  | 2.047  | 5/8-11  |        |  |
| A343410   | CAT50×SLN1"-4.00"     | 8.00  | 4.00 | 1.125 |       | 1    | 1      | 2.375   | 3/4-10 |  |
| A343510   | CAT50-SLN1-1/4"-4.00" | 8.00  | 4.00 | 1.125 |       |      | 1-1/4  | 2.75    | 3/4-10 |  |
| A343511   | CAT50×SLN1-1/4"-4.60" | 8.60  | 4.60 | 1.125 |       |      | 1-1/4  | 2.75    | 3/4-10 |  |
| A343610   | CAT50-SLN1-1/2"-4.00" | 8.00  | 4.00 | 1.125 |       |      | 1-1/2  | 3.14    | 3/4-10 |  |
| A343611   | CAT50-SLN1-1/2"-4.25" | 8.25  | 4.25 | 1.125 |       |      | 1-1/2  | 3.14    | 3/4-10 |  |
| A343612   | CAT50×SLN1-1/2"-4.60" | 8.60  | 4.60 | 1.125 | 1-1/2 |      | 3.140  | 3/4-10  |        |  |
| A343710   | CAT50-SLN1-3/4"-4.00" | 8.00  | 4.00 | 1.125 | 1-3/4 |      | 3.14   | 3/4-10  |        |  |
| A343810   | CAT50-SLN2"-5.63"     | 9.63  | 5.63 | 1.188 | 1.438 |      | 2      | 3.938   | 3/4-10 |  |
| A343811   | CAT50×SLN2"-6.00"     | 10.00 | 6.00 | 1.188 |       |      | 2      | 3.938   | 3/4-10 |  |



NMTB/SLN 侧固式刀杆

▼A351010-A354210 订单号 Order NO.

NMTB/SLN END MILL HOLDER



| Order NO. | TYPE                 | L     | L1   | L2   | L3    | d1     | T       | Price    |  |
|-----------|----------------------|-------|------|------|-------|--------|---------|----------|--|
| A351010   | NMTB30-SLN3/16-0.69  | 4.437 | 1.75 | 0.44 | —     | 0.1875 | 3/16-24 |          |  |
| A351110   | NMTB30-SLN1/4-0.69   | 5.187 | 2.5  | 0.56 |       | 0.25   | 1/4-20  |          |  |
| A351210   | NMTB30-SLN5/16-1.00  | 5.187 | 2.5  | 0.75 |       | 0.3125 | 5/16-18 |          |  |
| A351310   | NMTB30-SLN3/8-1.00   | 4.437 | 1.75 | 0.75 |       | 0.375  | 3/8-16  |          |  |
| A351410   | NMTB30-SLN1/2-1.38   | 5.107 | 2.42 | 0.88 |       | 0.5    | 7/16-14 |          |  |
| A351510   | NMTB30-SLN5/8-1.81   | 5.107 | 2.42 | 0.94 |       | 0.625  | 1/2-13  |          |  |
| A351610   | NMTB30-SLN3/4-1.75   | 4.807 | 2.12 | 1    |       | 0.75   | 5/8-11  |          |  |
| A351710   | NMTB30-SLN7/8-2.00   | 5.187 | 2.5  | 1    |       | 0.875  | 5/8-11  |          |  |
| A351810   | NMTB30-SLN1-2.25     | 5.377 | 2.69 | 1.12 |       | 1      | 3/4-10  |          |  |
| A351910   | NMTB40-SLN3/16-0.69  | 5.997 | 2.31 | 0.44 |       | —      | 0.1875  | 3/16-24  |  |
| A352010   | NMTB40-SLN1/4-0.69   | 6.187 | 2.5  | 0.56 |       |        | 0.25    | 1/4-20   |  |
| A352110   | NMTB40-SLN5/16-1.00  | 6.187 | 2.5  | 0.75 |       |        | 0.3125  | 5/16-18  |  |
| A352210   | NMTB40-SLN3/8-1.00   | 5.997 | 2.31 | 0.75 | 0.375 |        | 3/8-16  |          |  |
| A352310   | NMTB40-SLN1/2-1.38   | 5.997 | 2.31 | 0.88 | 0.5   |        | 7/16-14 |          |  |
| A352410   | NMTB40-SLN5/8-1.62   | 5.997 | 2.31 | 0.94 | 0.625 |        | 1/2-13  |          |  |
| A352510   | NMTB40-SLN3/4-1.88   | 5.997 | 2.31 | 1    | 0.75  |        | 5/8-11  |          |  |
| A352610   | NMTB40-SLN7/8-2.00   | 6.377 | 2.69 | 1    | 0.875 |        | 5/8-11  |          |  |
| A352810   | NMTB40-SLN1-2.00     | 6.377 | 2.69 | 1    | 1     |        | 3/4-10  |          |  |
| A352910   | NMTB40-SLN11/4-2.38  | 6.377 | 2.69 | 1.25 | 1.25  |        | 3/4-10  |          |  |
| A353010   | NMTB40-SLN11/2-2.95  | 7.637 | 3.95 | 1.12 | 1     |        | 1.5     | 3/4-10   |  |
| A353110   | NMTB50-SLN1/4-0.69   | 7.5   | 2.5  | 0.56 | —     |        | 0.25    | 1/4-20   |  |
| A353210   | NMTB50-SLN5/16-1.00  | 7.5   | 2.5  | 0.75 |       | 0.3125 | 5/16-18 |          |  |
| A353310   | NMTB50-SLN3/8-1.00   | 7.75  | 2.75 | 0.75 |       | 0.375  | 3/8-16  |          |  |
| A353410   | NMTB50-SLN1/2-1.38   | 7.75  | 2.75 | 0.88 |       | 0.5    | 7/16-14 |          |  |
| A353510   | NMTB50-SLN5/8-1.62   | 7.75  | 2.75 | 0.94 |       | 0.625  | 1/2-13  |          |  |
| A353610   | NMTB50-SLN3/4-1.75   | 7.75  | 2.75 | 1    |       | 0.75   | 5/8-11  |          |  |
| A353710   | NMTB50-SLN7/8-2.00   | 8.12  | 3.12 | 1    |       | 0.81   | 0.875   | 5/8-11   |  |
| A353810   | NMTB50-SLN1-2.38     | 8.5   | 3.5  | 1.12 |       | 1      | 1       | 3/4-10   |  |
| A353910   | NMTB50-SLN1-1/4-2.62 | 8.5   | 3.5  | 1.12 |       | 1      | 1.25    | 3/4-10   |  |
| A354010   | NMTB50-SLN1-1/2-2.88 | 9     | 4    | 1.5  |       | 1      | 1.5     | 3/4-10   |  |
| A354110   | NMTB50-SLN2-3.75     | 9.5   | 4.5  | 1.38 |       | 1.12   | 2       | 1-14x7/8 |  |
| A354210   | NMTB50-SLN21/2-4.50  | 10    | 5    | 1.56 |       | 1.69   | 2.5     | 1-14x7/8 |  |

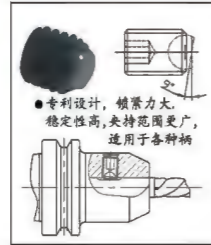




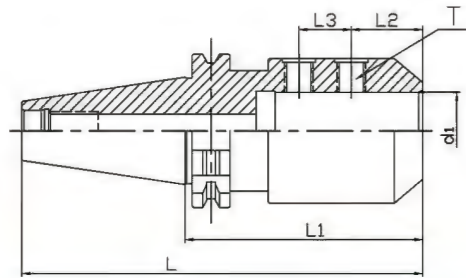
SK/SLN侧固式铣刀杆

▼A361010-A363210 订单号 Order NO.

SK/SLN END MILL HOLDER(DIN 69871)



●专利设计, 锁紧力大, 稳定性高, 夹持范围更广, 适用于各种柄



▼可选配 OPTIONAL



Type:A



Type:B

| Order NO. | Type           | L      | L1  | L2   | L3 | d1 | d2 | T         | N.W. (kg) | Price |
|-----------|----------------|--------|-----|------|----|----|----|-----------|-----------|-------|
| A361010   | SK30×SLN6-50   | 97.8   | 50  | 18   | -  | 6  | 25 | M6×1.0P   | 0.73      |       |
| A361110   | SK30×SLN8-50   | 97.8   | 50  | 18   | -  | 8  | 28 | M8×1.25P  | 0.80      |       |
| A361210   | SK30×SLN10-50  | 97.8   | 50  | 20   | -  | 10 | 35 | M10×1.5P  | 0.90      |       |
| A361310   | SK30×SLN12-50  | 97.8   | 50  | 22.5 | -  | 12 | 42 | M12×1.75P | 0.90      |       |
| A361410   | SK30×SLN16-63  | 110.8  | 63  | 24   | -  | 16 | 48 | M14×2.0P  | 1.10      |       |
| A361510   | SK40×SLN6-50   | 118.4  | 50  | 18   | -  | 6  | 25 | M6×1.0P   | 0.85      |       |
| A361610   | SK40×SLN8-50   | 118.4  | 50  | 18   | -  | 8  | 28 | M8×1.25P  | 1.00      |       |
| A361710   | SK40×SLN10-50  | 118.4  | 50  | 20   | -  | 10 | 35 | M10×1.5P  | 1.10      |       |
| A361810   | SK40×SLN12-50  | 118.4  | 50  | 22.5 | -  | 12 | 42 | M10×1.75P | 1.15      |       |
| A361910   | SK40×SLN16-63  | 131.4  | 63  | 24   | -  | 16 | 48 | M14×2.0P  | 1.40      |       |
| A362010   | SK40×SLN20-63  | 131.4  | 63  | 25   | -  | 20 | 52 | M16×2.0P  | 1.30      |       |
| A362110   | SK40×SLN25-100 | 168.4  | 100 | 24   | 25 | 25 | 65 | M18×2.0P  | 2.40      |       |
| A362210   | SK40×SLN32-100 | 168.4  | 100 | 24   | 28 | 32 | 72 | M20×2.0P  | 2.70      |       |
| A362310   | SK50×SLN6-63   | 164.75 | 63  | 18   | -  | 6  | 25 | M6×1.0P   | 3.10      |       |
| A362410   | SK50×SLN8-63   | 164.75 | 63  | 18   | -  | 8  | 28 | M8×1.25P  | 3.10      |       |
| A362510   | SK50×SLN10-63  | 164.75 | 63  | 20   | -  | 10 | 35 | M10×1.5P  | 3.30      |       |
| A362610   | SK50×SLN12-63  | 164.75 | 63  | 22.5 | -  | 12 | 42 | M12×1.75P | 3.50      |       |
| A362710   | SK50×SLN16-63  | 164.75 | 63  | 24   | -  | 16 | 48 | M14×2.0P  | 3.45      |       |
| A362810   | SK50×SLN20-63  | 164.75 | 63  | 25   | -  | 20 | 52 | M16×2.0P  | 3.50      |       |
| A362910   | SK50×SLN25-80  | 181.75 | 80  | 24   | 25 | 25 | 65 | M18×2.0P  | 4.20      |       |
| A363010   | SK50×SLN32-100 | 201.75 | 100 | 24   | 25 | 32 | 72 | M20×2.0P  | 5.00      |       |
| A363110   | SK50×SLN40-100 | 201.75 | 100 | 30   | 32 | 40 | 90 | M20×2.0P  | 5.60      |       |
| A363210   | SK50×SLN42-100 | 201.75 | 100 | 30   | 32 | 40 | 90 | M20×2.0P  | 5.70      |       |



SK/SLN侧固式刀柄-出水结构

▼A37010-A372910 订单号 Order NO.

SK/SLN END MILL HOLDER WITH COOLANT

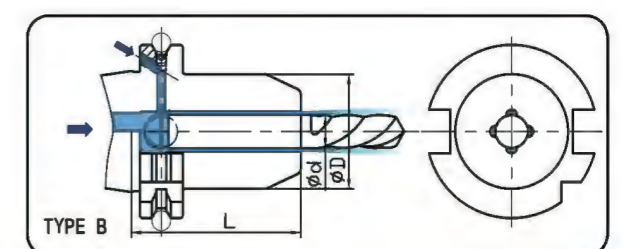
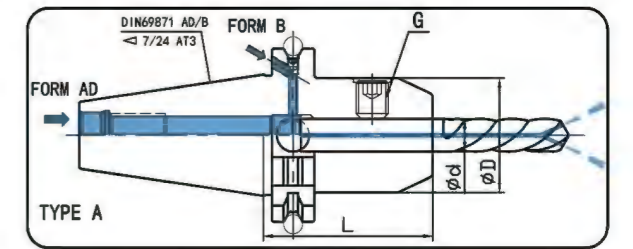
▼可选配 OPTIONAL



Type:A



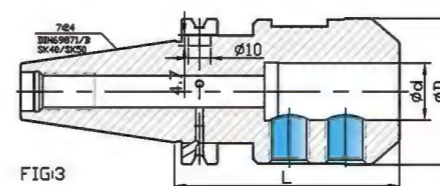
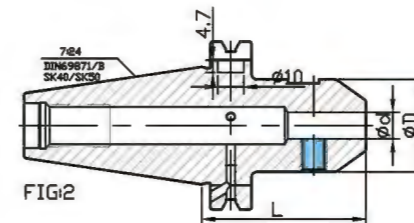
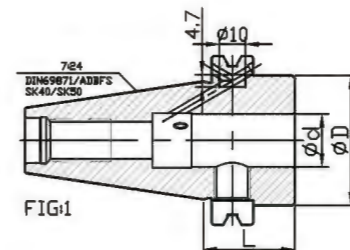
Type:B



●专利设计, 锁紧力大, 稳定性高, 夹持范围更广, 适用于各种柄

FORM AD/B

| Order NO. | Type              | Φd1 | ΦD | L1  | FIG | Price |
|-----------|-------------------|-----|----|-----|-----|-------|
| A37010    | SK40-SLN06-50(B)  | 06  | 25 | 50  | 2   |       |
| A371110   | SK40-SLN08-50(B)  | 08  | 28 | 50  | 2   |       |
| A371210   | SK40-SLN10-63(B)  | 10  | 35 | 63  | 2   |       |
| A371310   | SK40-SLN12-63(B)  | 12  | 42 | 63  | 2   |       |
| A371410   | SK40-SLN14-63(B)  | 14  | 44 | 63  | 2   |       |
| A371510   | SK40-SLN16-63(B)  | 16  | 48 | 63  | 2   |       |
| A371610   | SK40-SLN18-63(B)  | 18  | 50 | 63  | 2   |       |
| A371710   | SK40-SLN20-63(B)  | 20  | 52 | 63  | 1   |       |
| A371810   | SK40-SLN25-90(B)  | 25  | 65 | 90  | 1   |       |
| A371910   | SK40-SLN32-100(B) | 32  | 72 | 100 | 3   |       |
| A372010   | SK50-SLN06-50(B)  | 6   | 25 | 50  | 2   |       |
| A372110   | SK50-SLN08-50(B)  | 8   | 28 | 50  | 2   |       |
| A372210   | SK50-SLN10-63(B)  | 10  | 35 | 63  | 2   |       |
| A372310   | SK50-SLN12-63(B)  | 12  | 42 | 63  | 2   |       |
| A372410   | SK50-SLN14-63(B)  | 14  | 44 | 63  | 2   |       |
| A372510   | SK50-SLN16-63(B)  | 16  | 48 | 63  | 2   |       |
| A372610   | SK50-SLN18-63(B)  | 18  | 50 | 63  | 2   |       |
| A372710   | SK50-SLN20-63(B)  | 20  | 52 | 63  | 2   |       |
| A372810   | SK50-SLN25-90(B)  | 25  | 65 | 90  | 3   |       |
| A372910   | SK50-SLN32-105(B) | 32  | 72 | 105 | 3   |       |





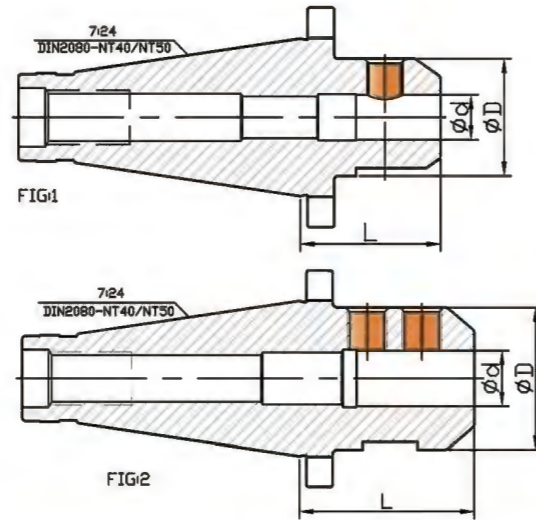
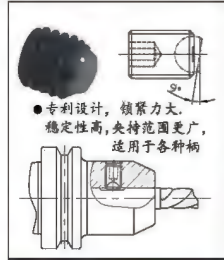


### NT/SLN侧固式铣刀杆

▼A381010-A382310 订单号Order NO.

NT/SLN END MILL HOLDER(DIN 2080)

▼可选配 OPTIONAL



| Order NO. | Type          | Φd1 | ΦD | L1  | FIG | Price |
|-----------|---------------|-----|----|-----|-----|-------|
| A381010   | NT40-SLN06-50 | 06  | 25 | 50  | 1   |       |
| A381110   | NT40-SLN08-50 | 08  | 28 | 50  | 1   |       |
| A381210   | NT40-SLN10-63 | 10  | 35 | 63  | 1   |       |
| A381310   | NT40-SLN12-63 | 12  | 42 | 63  | 1   |       |
| A381410   | NT40-SLN16-63 | 16  | 48 | 63  | 1   |       |
| A381510   | NT40-SLN20-63 | 20  | 52 | 63  | 1   |       |
| A381610   | NT50-SLN06-63 | 06  | 25 | 50  | 1   |       |
| A381710   | NT50-SLN08-63 | 08  | 28 | 50  | 1   |       |
| A381810   | NT50-SLN10-63 | 10  | 35 | 63  | 1   |       |
| A381910   | NT50-SLN12-63 | 12  | 42 | 63  | 1   |       |
| A382010   | NT50-SLN16-63 | 16  | 48 | 63  | 1   |       |
| A382110   | NT50-SLN20-63 | 20  | 52 | 63  | 1   |       |
| A382210   | NT50-SLN25-80 | 25  | 65 | 90  | 2   |       |
| A382310   | NT50-SLN32-80 | 32  | 72 | 105 | 2   |       |

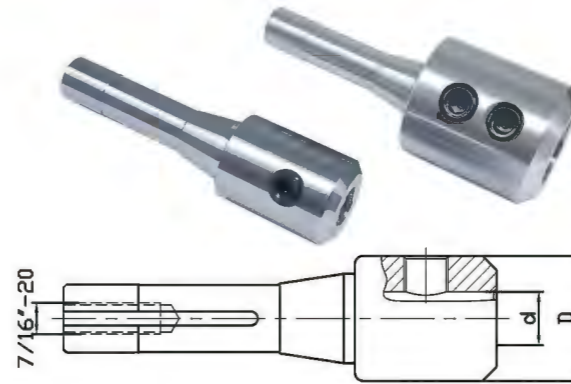


### R8/SLN侧固式刀柄

▼A391010-A391910 订单号Order NO.

R8/SLN END MILL HOLDER

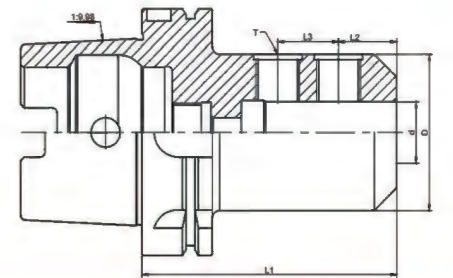
▼可选配 OPTIONAL



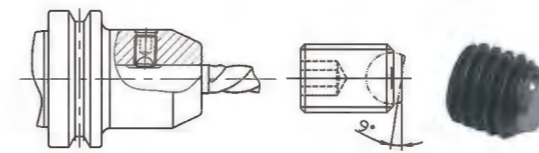
### HSK/SLN侧固式刀柄

▼A401010-A403010 订单号Order NO.

HSK/SLN END MILL HOLDER



●专利设计, 锁紧力大, 稳定性高, 夹持范围更广, 适用于各种柄



| Order NO. | Type        | d      | D      | Price |
|-----------|-------------|--------|--------|-------|
| A391010   | R8-EM3/16"  | 3/16"  | 1.375" |       |
| A391110   | R8-EM1/4"   | 1/4"   | 1"     |       |
| A391210   | R8-EM3/8"   | 1"     | 1.535" |       |
| A391310   | R8-EM1/2"   | 1/2"   | 1.75"  |       |
| A391410   | R8-EM5/8"   | 5/8"   | 1.75"  |       |
| A391510   | R8-EM3/4"   | 3/4"   | 1.75"  |       |
| A391610   | R8-EM7/8"   | 1"     | 2.05"  |       |
| A391710   | R8-EM1"     | 1"     | 2.56"  |       |
| A391810   | R8-EM1-1/4" | 1-1/4" | 2.56"  |       |
| A391910   | R8-EM1-1/2" | 1-1/2" | 3.14"  |       |

| Order NO. | Type              | d  | D  | L1  | L2   | L3 | Price |
|-----------|-------------------|----|----|-----|------|----|-------|
| A401010   | HSK63A-SLN06-65   | 6  | 25 | 65  | 18   | —  |       |
| A401110   | HSK63A-SLN08-65   | 8  | 28 | 65  | 18   | —  |       |
| A401210   | HSK63A-SLN10-65   | 10 | 35 | 65  | 20   | —  |       |
| A401310   | HSK63A-SLN12-80   | 12 | 42 | 80  | 22.5 | —  |       |
| A401410   | HSK63A-SLN14-80   | 14 | 44 | 80  | 22.5 | —  |       |
| A401510   | HSK63A-SLN16-80   | 16 | 48 | 80  | 24   | —  |       |
| A401610   | HSK63A-SLN18-80   | 18 | 50 | 80  | 24   | —  |       |
| A401710   | HSK63A-SLN20-80   | 20 | 52 | 80  | 25   | —  |       |
| A401810   | HSK63A-SLN25-110  | 25 | 65 | 110 | 24   | 25 |       |
| A401910   | HSK63A-SLN32-110  | 32 | 72 | 110 | 24   | 28 |       |
| A402010   | HSK63A-SLN40-120  | 40 | 80 | 120 | 30   | 32 |       |
| A402110   | HSK100A-SLN06-80  | 6  | 25 | 80  | 18   | —  |       |
| A402210   | HSK100A-SLN08-80  | 8  | 28 | 80  | 18   | —  |       |
| A402310   | HSK100A-SLN10-80  | 10 | 35 | 80  | 20   | —  |       |
| A402410   | HSK100A-SLN12-80  | 12 | 42 | 80  | 22.5 | —  |       |
| A402510   | HSK100A-SLN14-80  | 14 | 44 | 80  | 22.5 | —  |       |
| A402610   | HSK100A-SLN16-100 | 16 | 48 | 100 | 24   | —  |       |
| A402710   | HSK100A-SLN20-100 | 20 | 52 | 100 | 25   | —  |       |
| A402810   | HSK100A-SLN25-110 | 25 | 65 | 110 | 24   | 25 |       |
| A402910   | HSK100A-SLN32-110 | 32 | 72 | 110 | 24   | 28 |       |
| A403010   | HSK100A-SLN40-120 | 40 | 80 | 120 | 30   | 32 |       |



# 平面铣刀柄系列 Face Mill Holder Series



- 锥柄规格BT/SK (DIN69871) /CAT/NMTB/HSK/NT /MT/R8
- 中心通孔有利于出水及抗震性强
- 平面铣刀配合部位 (d) 轴系公轴H6
- 可定制非常规长度
- 在订购刀柄时需注明刀柄本体的冷却形式：  
A型、AD型、AD+B型
- 标准动平衡G6.3/15000rpm

- Type for BT/SK/CAT/NMTB/HSK/NT /MT/R8 shank
- With water through design that reduces vibration and steady for cutting
- Connecting part(d) designed for metric size
- Can be made upon requested dimensions
- When ordering, please specify the form: Form A、Form AD、Form AD+B
- 100% balanced to G6.3/15000rpm



**CNC JieHe**

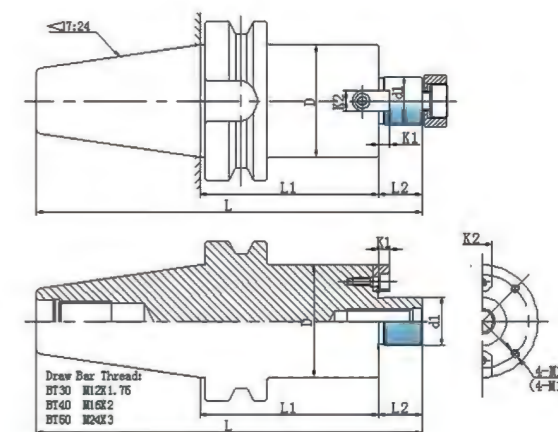
BT/FMA平面铣刀杆(直柄式)  
BT/FMA FACE MILL HOLDER



BT/FMA平面铣刀杆(直柄式)

▼ A411010-A411911 订单号 Order NO.

BT/FMA FACE MILL HOLDER



▼ 可选配 OPTIONAL



FMA为英制规格 (Inch)

| Order NO. | Type              | d1    | L1  | D  | L     | L2 | K1   | K2    | N.W. kg | Price |
|-----------|-------------------|-------|-----|----|-------|----|------|-------|---------|-------|
| A411010   | BT30×FMA25.4-45   | 25.4  | 45  | 50 | 113.4 | 20 | 4.52 | 9.52  | 1.1     |       |
| A411011   | BT30×FMA25.4-60   |       | 60  |    | 128.4 |    |      |       | 1.3     |       |
| A411110   | BT30×FMA31.75-45  | 31.75 | 45  | 60 | 115.4 | 22 | 6.7  | 12.7  | 1.35    |       |
| A411210   | BT40×FMA25.4-45   | 25.4  | 45  | 50 | 130.4 | 20 | 4.52 | 9.52  | 1.4     |       |
| A411211   | BT40×FMA25.4-60   |       | 60  |    | 145.4 |    |      |       | 1.5     |       |
| A411212   | BT40×FMA25.4-100  |       | 100 |    | 185.4 |    |      |       | 2.05    |       |
| A411310   | BT40×FMA31.75-60  | 31.75 | 60  | 60 | 147.4 | 22 | 6.7  | 12.7  | 2.9     |       |
| A411311   | BT40×FMA31.75-100 |       | 100 |    | 187.4 |    |      |       | 4.1     |       |
| A411410   | BT40×FMA38.10-60  | 38.1  | 60  | 80 | 150.4 | 25 | 8.87 | 15.87 | 2.1     |       |
| A411510   | BT40×FMA50.80-60  | 50.8  | 60  | 98 | 161.4 | 36 | 9.75 | 19.05 | 4.5     |       |
| A411610   | BT50×FMA25.4-45   | 25.4  | 45  | 50 | 166.8 | 20 | 4.52 | 9.52  | 3.9     |       |
| A411611   | BT50×FMA25.4-90   |       | 90  |    | 211.8 |    |      |       | 5       |       |
| A411612   | BT50×FMA25.4-150  |       | 150 |    | 271.8 |    |      |       | 6.4     |       |
| A411710   | BT50×FMA31.75-45  | 31.75 | 45  | 60 | 168.8 | 22 | 6.7  | 12.7  | 4.1     |       |
| A411711   | BT50×FMA31.75-75  |       | 75  |    | 198.8 |    |      |       | 4.9     |       |
| A411712   | BT50×FMA31.75-105 |       | 105 |    | 228.8 |    |      |       | 5.7     |       |
| A411810   | BT50×FMA38.10-45  | 38.1  | 45  | 80 | 171.8 | 25 | 8.87 | 15.87 | 4.4     |       |
| A411811   | BT50×FMA38.10-75  |       | 75  |    | 201.8 |    |      |       | 5.6     |       |
| A411910   | BT50×FMA50.80-45  | 50.8  | 45  | 98 | 182.8 | 36 | 9.75 | 19.05 | 5       |       |
| A411911   | BT50×FMA50.80-75  |       | 75  |    | 212.8 |    |      |       | 6.4     |       |

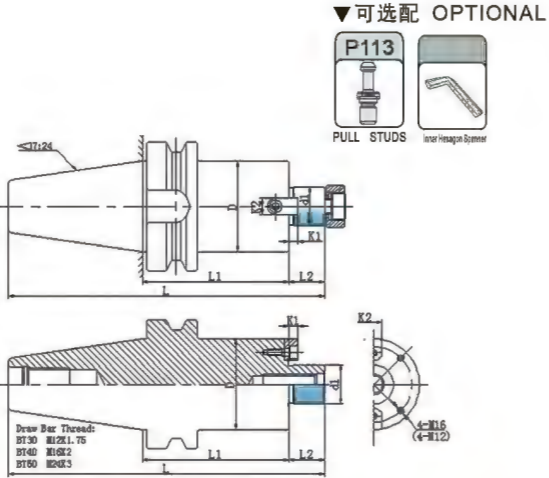




BT/FMB平面铣刀杆(直柄式)

▼A421010-A422110 订单号

BT/FMB FACEL MILL HOLDER



FMB为公制规格 (Metric)

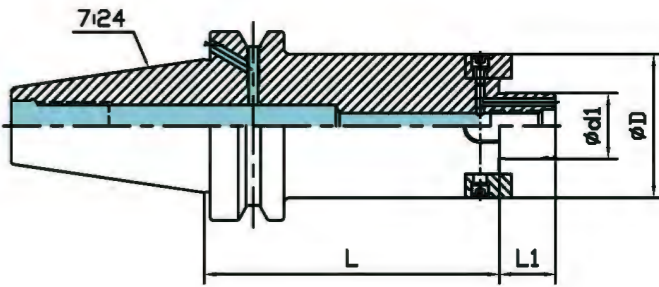
| Order NO. | Type           | d1  | L1  | D     | L     | L2    | K1   | K2   | N.W. (kg) | Price |      |     |    |      |  |
|-----------|----------------|-----|-----|-------|-------|-------|------|------|-----------|-------|------|-----|----|------|--|
| A421010   | BT30×FMB22-45  | 22  | 45  | 48    | 111.4 | 18    | 4.8  | 10   | 0.85      |       |      |     |    |      |  |
| A421011   | BT30×FMB22-60  |     | 60  |       | 126.4 |       |      |      | 1.25      |       |      |     |    |      |  |
| A421110   | BT30×FMB27-45  | 27  | 45  | 60    | 113.4 | 20    | 5.8  | 12   | 1.20      |       |      |     |    |      |  |
| A421111   | BT30×FMB27-60  |     | 60  |       | 128.4 |       |      |      | 1.35      |       |      |     |    |      |  |
| A421210   | BT30×FMB32-45  | 32  | 45  | 78    | 115.4 | 22    | 6.8  | 14   | 1.35      |       |      |     |    |      |  |
| A421310   | BT40×FMB22-45  | 22  | 45  | 48    | 128.4 | 18    | 4.8  | 10   | 1.45      |       |      |     |    |      |  |
| A421311   | BT40×FMB22-60  |     | 60  |       | 143.4 |       |      |      | 1.70      |       |      |     |    |      |  |
| A421312   | BT40×FMB22-100 |     | 100 |       | 183.4 |       |      |      | 2.20      |       |      |     |    |      |  |
| A421313   | BT40×FMB22-150 |     | 150 |       | 233.4 |       |      |      | 3.10      |       |      |     |    |      |  |
| A421314   | BT40×FMB22-200 |     | 200 |       | 283.4 |       |      |      | 3.10      |       |      |     |    |      |  |
| A421410   | BT40×FMB27-45  | 27  | 45  | 60    | 130.4 | 20    | 5.8  | 12   | 1.60      |       |      |     |    |      |  |
| A421411   | BT40×FMB27-60  |     | 60  |       | 145.4 |       |      |      | 2.00      |       |      |     |    |      |  |
| A421412   | BT40×FMB27-90  |     | 90  |       | 175.4 |       |      |      | 2.30      |       |      |     |    |      |  |
| A421413   | BT40×FMB27-105 |     | 105 |       | 190.4 |       |      |      | 2.50      |       |      |     |    |      |  |
| A421510   | BT40×FMB32-45  | 32  | 45  | 78    | 132.4 | 22    | 6.8  | 14   | 1.75      |       |      |     |    |      |  |
| A421511   | BT40×FMB32-60  |     | 60  |       | 147.4 |       |      |      | 2.10      |       |      |     |    |      |  |
| A421610   | BT40×FMB40-60  | 40  | 60  | 80    | 150.4 | 25    | 8.3  | 16   | 2.80      |       |      |     |    |      |  |
| A421710   | BT50×FMB22-45  | 22  | 45  | 48    | 164.8 | 18    | 4.8  | 10   | 4.50      |       |      |     |    |      |  |
| A421711   | BT50×FMB22-90  |     | 90  |       | 209.8 |       |      |      | 5.10      |       |      |     |    |      |  |
| A421712   | BT50×FMB22-150 |     | 150 |       | 269.8 |       |      |      | 6.80      |       |      |     |    |      |  |
| A421713   | BT50×FMB22-200 |     | 200 |       | 319.8 |       |      |      | 7.00      |       |      |     |    |      |  |
| A421714   | BT50×FMB22-250 |     | 250 |       | 369.8 |       |      |      | 8.00      |       |      |     |    |      |  |
| A421715   | BT50×FMB22-300 |     | 300 |       | 419.8 |       |      |      | 9.20      |       |      |     |    |      |  |
| A421716   | BT50×FMB22-350 |     | 350 |       | 469.8 |       |      |      | 10.50     |       |      |     |    |      |  |
| A421717   | BT50×FMB22-400 |     | 400 |       | 519.8 |       |      |      | 11.50     |       |      |     |    |      |  |
| A421810   | BT50×FMB27-50  |     | 27  |       | 50    |       |      |      | 60        | 171.8 | 20   | 5.8 | 12 | 4.60 |  |
| A421811   | BT50×FMB27-90  |     |     |       | 90    |       |      |      |           | 211.8 |      |     |    | 5.40 |  |
| A421812   | BT50×FMB27-150 | 150 |     | 271.8 | 7.50  |       |      |      |           |       |      |     |    |      |  |
| A421813   | BT50×FMB27-200 | 200 |     | 321.8 | 9.50  |       |      |      |           |       |      |     |    |      |  |
| A421814   | BT50×FMB27-250 | 250 |     | 371.8 | 11.00 |       |      |      |           |       |      |     |    |      |  |
| A421910   | BT50×FMB32-50  | 32  |     | 50    | 78    | 173.8 | 22   | 6.8  |           | 14    |      |     |    | 5.70 |  |
| A421911   | BT50×FMB32-90  |     | 90  | 213.8 |       | 5.80  |      |      |           |       |      |     |    |      |  |
| A422010   | BT50×FMB40-50  |     | 50  | 176.8 |       | 5.20  |      |      |           |       |      |     |    |      |  |
| A422011   | BT50×FMB40-90  | 40  | 90  | 89    | 216.8 | 25    | 8.3  | 16   | 6.00      |       |      |     |    |      |  |
| A422012   | BT50×FMB40-105 |     | 105 |       | 231.8 |       |      |      | 7.20      |       |      |     |    |      |  |
| A422013   | BT50×FMB40F-75 |     | 75  |       | 110   |       |      |      | 202.8     | 26    | 6.00 |     |    |      |  |
| A422110   | BT50×FMB60-75  | 60  | 75  | 140   | 210.8 | 25    | 12.5 | 25.4 | 8.50      |       |      |     |    |      |  |



BT/FMC普通面铣刀杆-出水结构

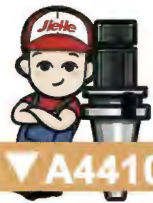
▼A431010-A431911 订单号 Order NO.

FACE MILL HOLDER WITH COOLANT



| Order NO. | Type           | d1 | D  | L1 | L   | Price |
|-----------|----------------|----|----|----|-----|-------|
| A431010   | BT40-FMC16-35  | 16 | 38 | 17 | 35  |       |
| A431110   | BT40-FMC22-35  | 22 | 48 | 19 | 35  |       |
| A431210   | BT40-FMC27-35  | 27 | 58 | 21 | 35  |       |
| A431310   | BT40-FMC32-50  | 32 | 78 | 24 | 50  |       |
| A431410   | BT40-FMC40-60  | 40 | 80 | 27 | 60  |       |
| A431510   | BT50-FMC16-35  | 16 | 38 | 17 | 35  |       |
| A431610   | BT50-FMC22-55  | 22 | 48 | 19 | 55  |       |
| A431611   | BT50-FMC22-100 | 22 | 48 | 19 | 100 |       |
| A431710   | BT50-FMC27-55  | 27 | 58 | 21 | 55  |       |
| A431711   | BT50-FMC27-100 | 27 | 58 | 21 | 100 |       |
| A431810   | BT50-FMC32-50  | 32 | 78 | 24 | 55  |       |
| A431811   | BT50-FMC32-100 | 32 | 78 | 24 | 100 |       |
| A431910   | BT50-FMC40-55  | 40 | 80 | 27 | 55  |       |
| A431911   | BT50-FMC40-100 | 40 | 80 | 27 | 100 |       |

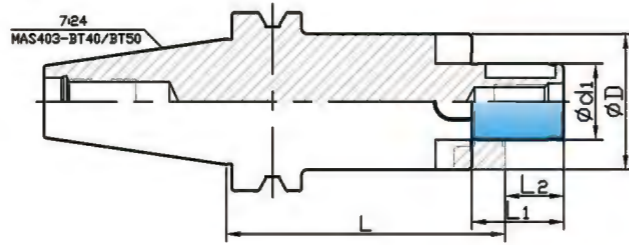




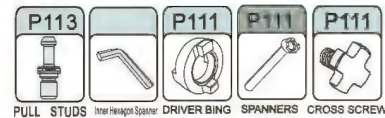
BT/CMA复合式面铣刀柄-不出水结构

▼A441010-A441911 订单号 Order NO.

COMBINATION FOR FACE MILL HOLDER



▼可选配 OPTIONAL



| Order NO. | Type           | d1 | D  | L1 | L2 | L   | Price |
|-----------|----------------|----|----|----|----|-----|-------|
| A441010   | BT40-CMA16-55  | 16 | 32 | 27 | 17 | 55  |       |
| A441011   | BT40-CMA16-100 | 16 | 32 | 27 | 17 | 100 |       |
| A441110   | BT40-CMA22-55  | 22 | 40 | 31 | 19 | 55  |       |
| A441111   | BT40-CMA22-100 | 22 | 40 | 31 | 19 | 100 |       |
| A441210   | BT40-CMA27-55  | 27 | 48 | 33 | 21 | 55  |       |
| A441211   | BT40-CMA27-100 | 27 | 48 | 33 | 21 | 100 |       |
| A441310   | BT40-CMA32-60  | 32 | 58 | 38 | 24 | 60  |       |
| A441311   | BT40-CMA32-100 | 32 | 58 | 38 | 24 | 100 |       |
| A441410   | BT40-CMA40-60  | 40 | 70 | 41 | 27 | 60  |       |
| A441411   | BT40-CMA40-100 | 40 | 70 | 41 | 27 | 100 |       |
| A441510   | BT50-CMA16-70  | 16 | 32 | 27 | 17 | 70  |       |
| A441511   | BT50-CMA16-100 | 16 | 32 | 27 | 17 | 100 |       |
| A441610   | BT50-CMA22-70  | 22 | 40 | 31 | 19 | 70  |       |
| A441611   | BT50-CMA22-100 | 22 | 40 | 31 | 19 | 100 |       |
| A441710   | BT50-CMA27-70  | 27 | 48 | 33 | 21 | 70  |       |
| A441711   | BT50-CMA27-100 | 27 | 48 | 33 | 21 | 100 |       |
| A441810   | BT50-CMA32-70  | 32 | 58 | 38 | 24 | 70  |       |
| A441811   | BT50-CMA32-100 | 32 | 58 | 38 | 24 | 100 |       |
| A441910   | BT50-CMA40-70  | 40 | 70 | 41 | 27 | 70  |       |
| A441911   | BT50-CMA40-100 | 40 | 70 | 41 | 27 | 100 |       |



63

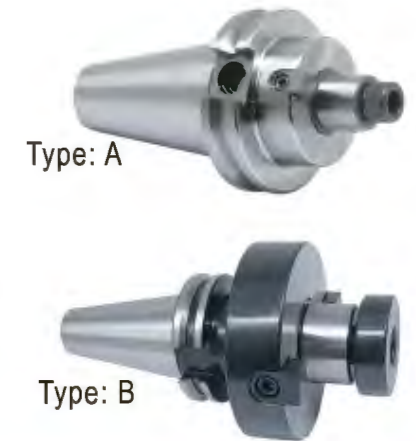
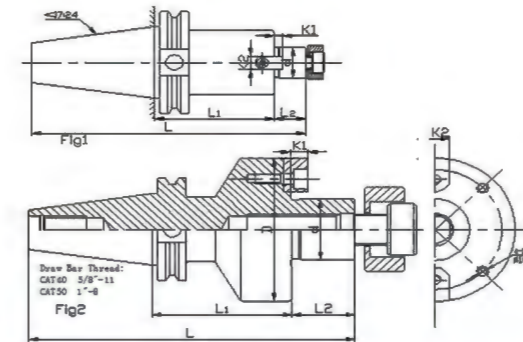


CAT/FMA平面铣刀杆

▼A451010-A451911 订单号 Order NO.

CAT/FMA FACE MILL HOLDER

▼可选配 OPTIONAL

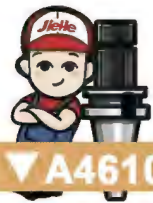


| Order NO. | Type                  | L      | L1   | L2    | D     | d    | K1    | K2    | Price |  |
|-----------|-----------------------|--------|------|-------|-------|------|-------|-------|-------|--|
| A451010   | CAT40-FMA3/4"-1.38"   | 4.755  | 1.38 | 0.688 | 1.75  | 0.75 | 0.178 | 0.312 |       |  |
| A451011   | CAT40×FMA3/4"-1.5"    | 4.875  | 1.50 |       | 1.75  | 0.75 | 0.178 | 0.312 |       |  |
| A451012   | CAT40-FMA3/4"-4.00"   | 7.375  | 4.00 |       | 1.75  | 0.75 | 0.178 | 0.312 |       |  |
| A451110   | CAT40-FMA1"-1.5"      | 4.875  | 1.50 |       | 2.25  | 1.00 | 0.178 | 0.375 |       |  |
| A451111   | CAT40×FMA1"-2.06"     | 5.435  | 2.06 |       | 2.25  | 1.00 | 0.178 | 0.375 |       |  |
| A451112   | CAT40-FMA1"-4.00"     | 7.375  | 4.00 |       | 2.25  | 1.00 | 0.178 | 0.375 |       |  |
| A451210   | CAT40-FMA1-1/4"-1.62" | 4.995  | 1.62 |       | 2.75  | 1.25 | 0.263 | 0.5   |       |  |
| A451211   | CAT40×FMA1-1/4"-2.21" | 5.585  | 2.21 |       | 2.75  | 1.25 | 0.263 | 0.50  |       |  |
| A451212   | CAT40-FMA1-1/4"-4.00" | 7.375  | 4.00 |       | 2.75  | 1.25 | 0.263 | 0.5   |       |  |
| A451310   | CAT40×FMA1-1/2"-2.21" | 5.834  | 2.21 |       | 3.75  | 1.50 | 0.35  | 0.625 |       |  |
| A451311   | CAT40-FMA1-1/2"-2.40" | 6.024  | 2.40 |       | 3.75  | 1.50 | 0.35  | 0.625 |       |  |
| A451312   | CAT40-FMA1-1/2"-4.00" | 7.624  | 4.00 |       | 3.75  | 1.50 | 0.35  | 0.625 |       |  |
| A451410   | CAT50×FMA3/4"-1.50"   | 6.188  | 1.50 | 0.688 | 1.75  | 0.75 | 0.178 | 0.312 |       |  |
| A451411   | CAT50-FMA3/4"-3.50"   | 8.188  | 3.50 |       | 1.75  | 0.75 | 0.178 | 0.312 |       |  |
| A451412   | CAT50-FMA3/4"-5.50"   | 10.188 | 5.50 |       | 1.75  | 0.75 | 0.178 | 0.312 |       |  |
| A451510   | CAT50×FMA1"-2.00"     | 6.688  | 2.00 |       | 2.25  | 1.00 | 0.178 | 0.375 |       |  |
| A451511   | CAT50-FMA1"-4.00"     | 8.688  | 4.00 |       | 2.25  | 1.00 | 0.178 | 0.375 |       |  |
| A451512   | CAT50-FMA1"-6.00"     | 10.688 | 6.00 |       | 2.25  | 1.00 | 0.178 | 0.375 |       |  |
| A451610   | CAT50×FMA1-1/4"-1.50" | 6.188  | 1.50 |       | 2.75  | 1.25 | 0.263 | 0.50  |       |  |
| A451611   | CAT50-FMA1-1/4"-3.50" | 8.188  | 3.50 |       | 2.75  | 1.25 | 0.263 | 0.5   |       |  |
| A451612   | CAT50-FMA1-1/4"-5.50" | 10.188 | 5.50 |       | 2.75  | 1.25 | 0.263 | 0.5   |       |  |
| A451710   | CAT50×FMA1-1/2"-2.40" | 7.337  | 2.40 |       | 0.937 | 3.75 | 1.50  | 0.35  | 0.625 |  |
| A451711   | CAT50-FMA1-1/2"-4.00" | 8.937  | 4.00 |       |       | 3.75 | 1.50  | 0.350 | 0.625 |  |
| A451712   | CAT50-FMA1-1/2"-6.00" | 10.937 | 6.00 |       |       | 3.75 | 1.50  | 0.350 | 0.625 |  |
| A451810   | CAT50×FMA2"-2.40"     | 7.337  | 2.40 | 4.88  |       | 2.00 | 0.383 | 0.75  |       |  |
| A451811   | CAT50-FMA2"-4.00"     | 8.937  | 4.00 | 4.88  |       | 2.00 | 0.383 | 0.75  |       |  |
| A451812   | CAT50-FMA2"-6.00"     | 10.937 | 6.00 | 4.88  |       | 2.00 | 0.383 | 0.75  |       |  |
| A451910   | CAT50-FMA2-1/2"-2.40" | 7.530  | 2.40 | 1.130 |       | 4.88 | 2.50  | 0.472 | 1     |  |
| A451911   | CAT50-FMA2-1/2"-4.00" | 9.130  | 4.00 |       |       | 4.88 | 2.50  | 0.472 | 1     |  |



64

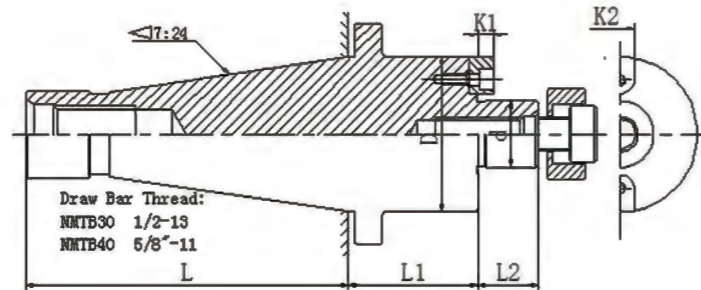




NMTB/FMA面铣刀杆

▼A461010-A461610 订单号Order NO.

NMTB/FMA FACE MILL HOLDER



Draw Bar Thread:  
NMTB30 1/2-13  
NMTB40 5/8"-11

▼可选配 OPTIONAL



| Order NO. | TYPE                | L     | L1   | L2    | d    | D    | K1    | K2    | Price |
|-----------|---------------------|-------|------|-------|------|------|-------|-------|-------|
| A461010   | NMTB30-FMA3/4-1.31  | 2.687 | 1.31 | 0.688 | 0.75 | 1.75 | 0.178 | 0.312 |       |
| A461110   | NMTB30-FMA1-1.31    | 2.687 | 1.31 | 0.787 | 1    | 2    | 0.178 | 0.375 |       |
| A461210   | NMTB30-FMA11/4-1.44 | 2.687 | 1.44 | 0.866 | 1.25 | 2.56 | 0.263 | 0.5   |       |
| A461310   | NMTB40-FMA3/4-1.48  | 3.687 | 1.48 | 0.688 | 0.75 | 1.75 | 0.178 | 0.312 |       |
| A461410   | NMTB40-FMA1-1.5     | 3.687 | 1.5  | 0.787 | 1    | 2    | 0.178 | 0.375 |       |
| A461510   | NMTB40-FMA11/4-1.79 | 3.687 | 1.79 | 0.866 | 1.25 | 2.56 | 0.263 | 0.5   |       |
| A461610   | NMTB40-FMA11/2-1.73 | 3.687 | 1.73 | 1     | 1.5  | 3.15 | 0.35  | 0.625 |       |

未涉及的型号, 可根据订单生产

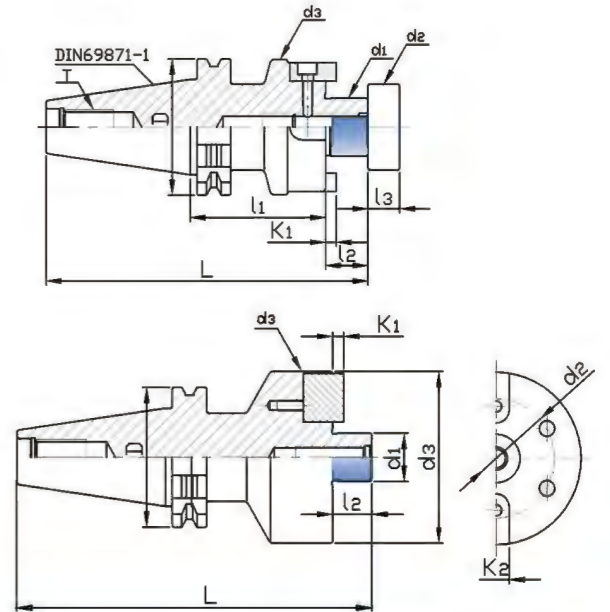
Other type, can be produced according to the order



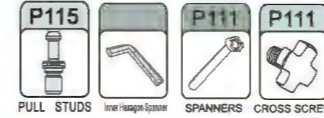
SK/FMB平面铣刀杆

▼A471010-A472610 订单号Order NO.

SK/FMB FACE MILL HOLDER(DIN69871)



▼可选配 OPTIONAL



| Order NO. | Type           | L      | l2 | l3    | d2   | d3  | K1   | K2   | N.W. (kg) | Price |
|-----------|----------------|--------|----|-------|------|-----|------|------|-----------|-------|
| A471010   | SK30×FMB22-45  | 110.8  | 18 | 14    | 26   | 47  | 4.8  | 10   | 1.10      |       |
| A471110   | SK30×FMB27-45  | 112.8  | 20 | 16    | 31.5 | 58  | 5.8  | 12   | 1.10      |       |
| A471210   | SK40×FMB22-35  | 121.4  | 18 | 14    | 26   | 47  | 4.8  | 10   | 1.20      |       |
| A471310   | SK40×FMB27-60  | 148.4  | 20 | 16    | 31.5 | 58  | 5.8  | 12   | 1.80      |       |
| A471410   | SK40×FMB32-60  | 150.4  | 22 | 16    | 41   | 66  | 6.8  | 14   | 2.30      |       |
| A471510   | SK40×FMB40-60  | 153.4  | 25 | 20.5  | 48   | 82  | 8.3  | 16   | 2.80      |       |
| A471610   | SK50×FMB22-35  | 154.75 | 18 | 14    | 26   | 47  | 4.8  | 10   | 3.40      |       |
| A471710   | SK50×FMB27-35  | 156.75 | 20 | 16    | 31.5 | 58  | 5.8  | 12   | 3.50      |       |
| A471810   | SK50×FMB32-35  | 158.75 | 22 | 16    | 41   | 66  | 6.8  | 14   | 3.70      |       |
| A471910   | SK50×FMB40-50  | 176.75 | 25 | 20.5  | 48   | 82  | 8.3  | 16   | 4.70      |       |
| A472010   | SK50×FMB50-60  | 191.75 | 30 | 25    | 68   | 95  | 9.7  | 19   | 5.80      |       |
| A472110   | SK40×FMB40F-60 | 158.4  | 30 | 66.7  | M12  | 89  | 8.3  | 15.9 | 2.9       |       |
| A472210   | SK50×FMB40F-70 | 201.75 | 30 | 66.7  | M12  | 89  | 8.3  | 15.9 | 5.5       |       |
| A472310   | SK50×FMB60F-70 | 211.75 | 40 | 101.6 | M16  | 129 | 12.5 | 25.4 | 5.7       |       |
| A472410   | SK40×FS40-60   | 154.4  | 26 | 66.7  | 50   | 110 | 8.3  | 16   | 3.2       |       |
| A472510   | SK50×FS40-70   | 197.75 | 26 | 66.7  | 50   | 110 | 8.3  | 16   | 5.7       |       |
| A472610   | SK50×FS60-70   | 196.75 | 25 | 101.6 | M16  | 140 | 12.5 | 25.4 | 5.5       |       |





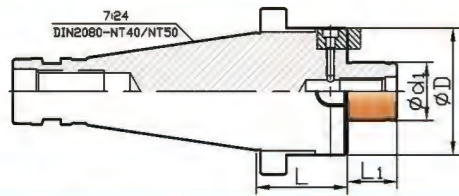




NT/FMB平面铣刀杆

▼A501010-A502011 订单号Order NO.

NT/FMB FACE MILL HOLDER



▼可选配 OPTIONAL

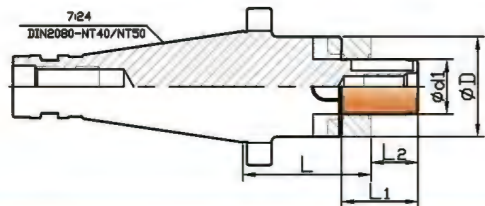


| Order NO. | Type           | $\phi d1$ | $\phi D$ | L1 | L   | Price |
|-----------|----------------|-----------|----------|----|-----|-------|
| A501010   | NT40-FMB16-35  | 16        | 38       | 17 | 35  |       |
| A501110   | NT40-FMB22-35  | 22        | 48       | 19 | 35  |       |
| A501210   | NT40-FMB27-35  | 27        | 58       | 21 | 35  |       |
| A501310   | NT40-FMB32-50  | 32        | 78       | 24 | 50  |       |
| A501410   | NT40-FMB40-60  | 40        | 80       | 27 | 60  |       |
| A501510   | NT50-FMB16-45  | 16        | 38       | 17 | 45  |       |
| A501511   | NT50-FMB16-100 | 16        | 38       | 17 | 100 |       |
| A501610   | NT50-FMB22-45  | 22        | 48       | 19 | 45  |       |
| A501611   | NT50-FMB22-100 | 22        | 48       | 19 | 100 |       |
| A501810   | NT50-FMB27-45  | 27        | 58       | 21 | 45  |       |
| A501811   | NT50-FMB27-100 | 27        | 58       | 21 | 100 |       |
| A501910   | NT50-FMB32-45  | 32        | 78       | 24 | 45  |       |
| A501911   | NT50-FMB32-100 | 32        | 78       | 24 | 100 |       |
| A502010   | NT50-FMB40-60  | 40        | 80       | 27 | 60  |       |
| A502011   | NT50-FMB40-100 | 40        | 80       | 27 | 100 |       |

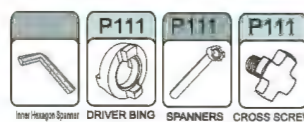
▼A511010-A511910 订单号Order NO.

NT/CMA复合式铣刀柄

NT/CMA COMBINATION FOR FACE MILL ARBORS



▼可选配 OPTIONAL



| Order NO. | Type          | $\phi d1$ | $\phi D$ | L1 | L2 | L  | Price |
|-----------|---------------|-----------|----------|----|----|----|-------|
| A511010   | NT40-CMA16-52 | 16        | 32       | 27 | 17 | 52 |       |
| A511110   | NT40-CMA22-52 | 16        | 32       | 27 | 17 | 52 |       |
| A511210   | NT40-CMA27-52 | 22        | 40       | 31 | 19 | 52 |       |
| A511310   | NT40-CMA32-52 | 22        | 40       | 31 | 19 | 52 |       |
| A511410   | NT40-CMA40-56 | 27        | 48       | 33 | 21 | 56 |       |
| A511510   | NT50-CMA16-55 | 27        | 48       | 33 | 21 | 55 |       |
| A511610   | NT50-CMA22-55 | 32        | 58       | 38 | 24 | 55 |       |
| A511710   | NT50-CMA27-55 | 40        | 70       | 41 | 27 | 55 |       |
| A511810   | NT50-CMA32-55 | 16        | 30       | 27 | 17 | 55 |       |
| A511910   | NT50-CMA40-55 | 22        | 40       | 31 | 19 | 55 |       |

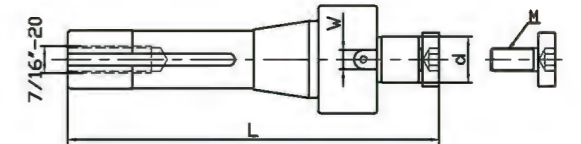


R8/SM平面铣刀杆

▼A521010-A521410 订单号Order NO.

R8/SM SHELL MILL HOLDER

▼可选配 OPTIONAL



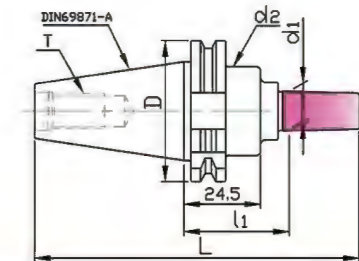
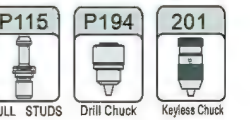
| Order NO. | Type        | d      | W     | L     | M          | Price |
|-----------|-------------|--------|-------|-------|------------|-------|
| A521010   | R8-SM1/2"   | 1/2"   | 1/4"  | 6"    | 1/4"-28UNF |       |
| A521110   | R8-SM3/4"   | 3/4"   | 5/16" | 6"    | 3/8"-24UNF |       |
| A521210   | R8-SM1"     | 1"     | 3/8"  | 6.1"  | 1/2"-20UNF |       |
| A521310   | R8-SM1-1/4" | 1-1/4" | 1/2"  | 6.14" | 5/8"-18UNF |       |
| A521410   | R8-SM1-1/2" | 1-1/2" | 5/8"  | 6.41" | 3/4"-16UNF |       |

▼A531010-A532010 订单号Order NO.

SK钻接杆

SK JACOBS ARBORS

▼可选配 OPTIONAL



| Order NO. | Type         | L      | l1 | D     | d1     | d2 | T         | N.W. (kg) | Price |
|-----------|--------------|--------|----|-------|--------|----|-----------|-----------|-------|
| A531010   | SK30xB12-40  | 106.3  | 40 | 50    | 12.065 | 45 | M12x1.75P | 0.70      |       |
| A531110   | SK30xB16-40  | 111.8  | 40 |       | 15.733 |    |           | 0.85      |       |
| A531210   | SK30xJTA6-40 | 113.2  | 40 |       | 17.17  |    |           | 0.90      |       |
| A531310   | SK40xB12-40  | 126.9  | 40 | 63.55 | 12.065 | 50 | M16x2.0P  | 1.25      |       |
| A531410   | SK40xB16-40  | 132.4  | 40 |       | 15.733 |    |           | 1.30      |       |
| A531510   | SK40xB18-40  | 140.4  | 40 |       | 17.780 |    |           | 1.40      |       |
| A531610   | SK40xJTA6-40 | 133.8  | 40 |       | 17.170 |    |           | 1.30      |       |
| A531710   | SK50xB12-40  | 160.25 | 40 | 97.50 | 12.065 | 80 | M24x2.0P  | 3.10      |       |
| A531810   | SK50xB16-40  | 165.75 | 40 |       | 15.733 |    |           | 3.20      |       |
| A531910   | SK50xB18-40  | 173.75 | 40 |       | 17.780 |    |           | 3.30      |       |
| A532010   | SK50xJTA6-40 | 165.75 | 40 |       | 17.170 |    |           | 3.40      |       |





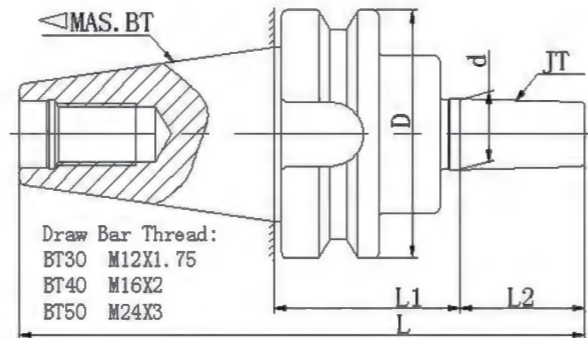
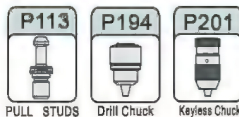
BT 钻接杆

▼ A541010-A541513 订单号 Order NO.

BT JACOBS TAPER ARBORS



▼ 可选配 OPTIONAL



| Order NO. | Type         | L       | L1 | D   | d      | L2     | Price |
|-----------|--------------|---------|----|-----|--------|--------|-------|
| A541010   | BT30-B12-45  | 111.90  | 45 | 46  | 12.065 | 18.5   |       |
| A541011   | BT30-B16-45  | 117.40  | 45 |     | 15.733 | 24     |       |
| A541012   | BT30-B18-45  | 125.40  | 45 |     | 17.785 | 32     |       |
| A541110   | BT40-B12-45  | 128.00  | 45 | 63  | 12.065 | 18.5   |       |
| A541111   | BT40-B16-45  | 134.40  | 45 |     | 15.733 | 24     |       |
| A541112   | BT40-B18-45  | 142.40  | 45 |     | 17.785 | 32     |       |
| A541210   | BT50-B16-45  | 170.80  | 45 | 100 | 15.733 | 24     |       |
| A541211   | BT50-B18-45  | 178.80  | 45 |     | 17.785 | 32     |       |
| A541310   | BT30×JT2-45  | 116.625 | 45 | 46  | 14.199 | 22.225 |       |
| A541311   | BT30-JT3-30  | 109.375 | 30 |     | 20.599 | 30.957 |       |
| A541312   | BT30×JT33-45 | 118.80  | 45 |     | 15.850 | 25.4   |       |
| A541313   | BT30×JT6-45  | 118.80  | 45 |     | 17.170 | 25.4   |       |
| A541410   | BT40×JT2-45  | 132.625 | 45 | 63  | 14.199 | 22.225 |       |
| A541411   | BT40-JT3-45  | 141.357 | 45 |     | 20.599 | 30.957 |       |
| A541412   | BT40×JT33-45 | 135.80  | 45 |     | 15.850 | 25.4   |       |
| A541413   | BT40×JT6-45  | 135.80  | 45 |     | 17.170 | 25.4   |       |
| A541510   | BT50×JT2-45  | 169.025 | 45 | 100 | 14.199 | 22.225 |       |
| A541511   | BT50-JT3-45  | 177.757 | 45 |     | 20.599 | 30.957 |       |
| A541512   | BT50×JT33-45 | 172.20  | 45 |     | 15.850 | 25.4   |       |
| A541513   | BT50×JT6-45  | 172.20  | 45 |     | 17.170 | 25.4   |       |



CAT 钻接杆

▼ A551010-A551911 订单号 Order NO.

CAT JACOBS TAPER ARBORS

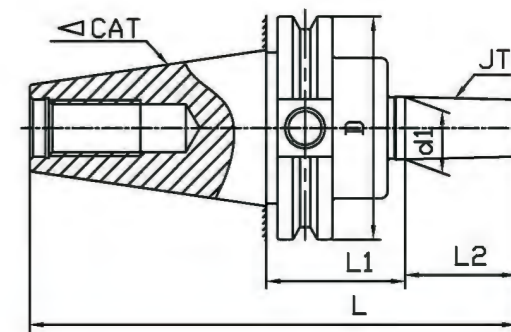
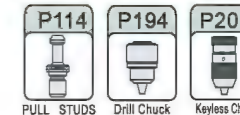


Type:A



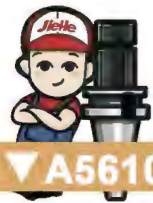
Type:B

▼ 可选配 OPTIONAL



| Order NO. | Type              | L     | L1   | L2    | D     | d1    | Price |  |
|-----------|-------------------|-------|------|-------|-------|-------|-------|--|
| A551010   | CAT40-JTA2-1.50"  | 5.062 | 1.5  | 0.875 | 2.500 | 0.559 |       |  |
| A551011   | CAT40×JTA2-1.57"  | 5.132 | 1.57 | 0.875 |       | 0.559 |       |  |
| A551110   | CAT40-JTA3-1.50"  | 5.407 | 1.5  | 1.22  |       | 0.811 |       |  |
| A551210   | CAT40-JTA4-1.50"  | 5.836 | 1.5  | 1.649 |       | 1.124 |       |  |
| A551310   | CAT40-JTA6-1.50"  | 5.187 | 1.5  | 1     |       | 0.676 |       |  |
| A551311   | CAT40×JTA6-1.57"  | 5.257 | 1.57 | 1     |       | 0.676 |       |  |
| A551410   | CAT40-JTA33-1.50  | 5.187 | 1.5  | 1     | 3.875 | 0.624 |       |  |
| A551411   | CAT40×JTA33-1.57" | 5.257 | 1.57 | 1     |       | 0.624 |       |  |
| A551510   | CAT50-JTA2-1.50   | 6.375 | 1.5  | 0.875 |       | 3.875 | 0.559 |  |
| A551511   | CAT50×JTA2-1.57"  | 6.445 | 1.57 | 0.875 |       |       | 0.559 |  |
| A551610   | CAT50-JTA3-1.50   | 6.72  | 1.5  | 1.22  |       |       | 0.811 |  |
| A551710   | CAT50-JTA4-1.50   | 7.149 | 1.5  | 1.649 |       |       | 1.124 |  |
| A551810   | CAT50-JTA6-1.50   | 6.5   | 1.5  | 1     | 0.676 |       |       |  |
| A551811   | CAT50×JTA6-1.57"  | 6.570 | 1.57 | 1.000 | 0.676 |       |       |  |
| A551910   | CAT50-JTA33-1.50  | 6.5   | 1.5  | 1     | 3.875 | 0.624 |       |  |
| A551911   | CAT50×JTA33-1.57" | 6.570 | 1.57 | 1.000 |       | 0.624 |       |  |

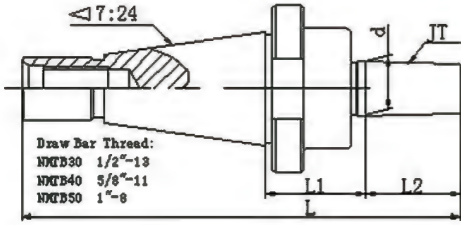




NMTB钻接杆

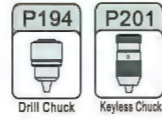
▼A561010-A562110 订单号Order NO.

NMTB/JTA JACOBS TAPER ARBORS



| Order NO. | TYPE              | L     | L1   | d     | L2    | Price |
|-----------|-------------------|-------|------|-------|-------|-------|
| A561010   | NMTB30-JTA1-1.59  | 4.933 | 1.59 | 0.384 | 0.656 |       |
| A561110   | NMTB30-JTA2-1.81  | 5.372 | 1.81 | 0.559 | 0.875 |       |
| A561210   | NMTB30-JTA3-2.19  | 6.097 | 2.19 | 0.811 | 1.22  |       |
| A561310   | NMTB30-JTA4-2.62  | 6.956 | 2.62 | 1.124 | 1.649 |       |
| A561410   | NMTB30-JTA6-1.97  | 5.657 | 1.97 | 0.676 | 1     |       |
| A561510   | NMTB30-JTA33-1.97 | 5.657 | 1.97 | 0.624 | 1     |       |
| A561610   | NMTB40-JTA2-1.88  | 6.442 | 1.88 | 0.559 | 0.875 |       |
| A561710   | NMTB40-JTA3-2.25  | 7.157 | 2.25 | 0.811 | 1.22  |       |
| A561810   | NMTB40-JTA4-2.69  | 8.026 | 2.69 | 1.124 | 1.649 |       |
| A561910   | NMTB40-JTA6-1.94  | 6.627 | 1.94 | 0.676 | 1     |       |
| A562010   | NMTB40-JTA33-1.94 | 6.627 | 1.94 | 0.624 | 1     |       |
| A562110   | NMTB50-JTA3-1.3   | 7.52  | 1.3  | 0.811 | 1.22  |       |

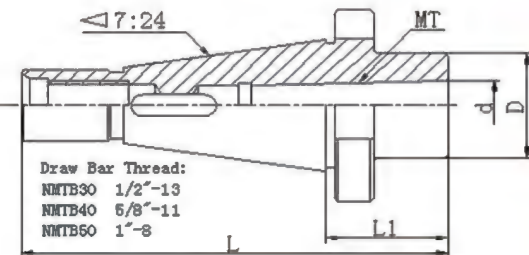
▼可选配 OPTIONAL



NMTB钻头套

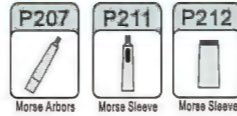
▼A571010-A572010 订单号Order NO.

NMTB/MTA MORSE TAPER ARBORS



| Order NO. | TYPE             | L     | L1   | D     | d     | Price |
|-----------|------------------|-------|------|-------|-------|-------|
| A571010   | NMTB30-MTA1-1.00 | 3.687 | 1.00 | 1.000 | 0.475 |       |
| A571110   | NMTB30-MTA2-2.13 | 4.817 | 2.13 | 1.250 | 0.700 |       |
| A571210   | NMTB30-MTA3-2.81 | 5.497 | 2.81 | 1.563 | 0.938 |       |
| A571310   | NMTB40-MTA1-0.94 | 4.627 | 0.94 | 1.000 | 0.475 |       |
| A571410   | NMTB40-MTA2-2.06 | 5.747 | 2.06 | 1.250 | 0.700 |       |
| A571510   | NMTB40-MTA3-2.22 | 5.907 | 2.22 | 1.563 | 0.938 |       |
| A571610   | NMTB40-MTA4-3.06 | 6.747 | 3.06 | 1.940 | 1.231 |       |
| A571710   | NMTB50-MTA2-1.88 | 6.880 | 1.88 | 1.250 | 0.700 |       |
| A571810   | NMTB50-MTA3-2.38 | 7.380 | 2.38 | 1.563 | 0.938 |       |
| A571910   | NMTB50-MTA4-3.25 | 8.250 | 3.25 | 1.940 | 1.231 |       |
| A572010   | NMTB50-MTA5-4.61 | 9.610 | 4.61 | 2.750 | 1.748 |       |

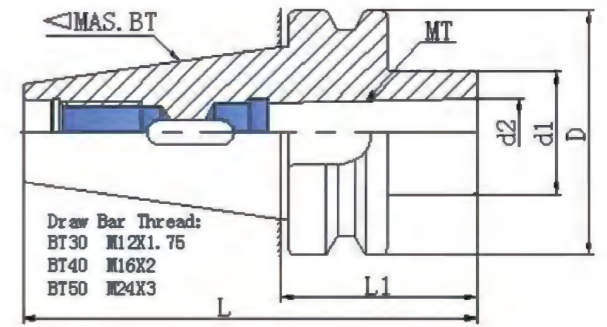
▼可选配 OPTIONAL



BT变径套

▼A581010-A582110 订单号Order NO.

BT/MTA MORSE TAPER ADAPTERS



▼可选配 OPTIONAL



| Order NO. | Type          | L     | L1  | D   | d1 | d2     | N.W. kg | Price |
|-----------|---------------|-------|-----|-----|----|--------|---------|-------|
| A581010   | BT30×MTA1-45  | 93.4  | 45  | 46  | 25 | 12.065 | 0.55    |       |
| A581110   | BT30×MTA2-60  | 108.4 | 60  |     | 32 | 17.78  | 0.6     |       |
| A581210   | BT30×MTA3-80  | 128.4 | 80  |     | 40 | 23.825 | 0.8     |       |
| A581310   | BT40×MTA1-45  | 110.4 | 45  | 63  | 25 | 12.065 | 1.2     |       |
| A581410   | BT40×MTA2-50  | 115.4 | 50  |     | 32 | 17.78  | 1.55    |       |
| A581510   | BT40×MTA3-75  | 140.4 | 75  |     | 40 | 23.825 | 1.9     |       |
| A581610   | BT40×MTA4-90  | 155.4 | 90  | 100 | 48 | 31.207 | 2.3     |       |
| A581611   | BT40×MTA4-165 | 230.4 | 165 |     |    |        | 2.5     |       |
| A581710   | BT50×MTA1-45  | 146.8 | 45  |     | 25 | 12.065 | 3.8     |       |
| A581810   | BT50×MTA2-60  | 161.8 | 60  | 100 | 32 | 17.78  | 4       |       |
| A581811   | BT50×MTA2-135 | 236.8 | 135 |     |    |        | 4.7     |       |
| A581910   | BT50×MTA3-65  | 166.8 | 65  |     | 40 | 23.825 | 3.7     |       |
| A581911   | BT50×MTA3-150 | 251.8 | 150 | 100 |    |        | 4.68    |       |
| A582010   | BT50×MTA4-95  | 196.8 | 95  |     |    |        | 4.4     |       |
| A582011   | BT50×MTA4-150 | 251.8 | 150 |     | 48 | 31.267 | 5       |       |
| A582012   | BT50×MTA4-180 | 281.8 | 180 | 100 |    |        | 5.5     |       |
| A582110   | BT50×MTA5-105 | 206.8 | 105 |     | 63 | 44.399 | 5       |       |

注：刀柄用于带扁尾莫氏锥柄刀具、钻头、铰刀等未涉及型号，可根据订单生产

Note : Used in Morse conicity tools,the drill,reamer etc Other type,can be produced according to the order





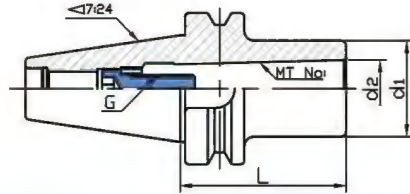
BT变径套

▼A591010-A592212 订单号 Order NO.

BT/MTB MORSE TAPER ADAPTERS



FIG1



| Order NO. | Type          | MT/d2    | L   | d1 | G         | N.W. (kg) | Price |
|-----------|---------------|----------|-----|----|-----------|-----------|-------|
| A591010   | BT30-MTB1-45  | 1/12.065 | 45  | 25 | M6×1P     | 0.55      |       |
| A591110   | BT30-MTB2-60  | 2/17.78  | 60  | 32 | M10×1.5P  | 0.60      |       |
| A591210   | BT30-MTB3-80  | 3/23.825 | 80  | 40 | M12×1.75P | 0.80      |       |
| A591310   | BT40-MTB1-45  | 1/12.065 | 45  | 25 | M6×1P     | 1.05      |       |
| A591410   | BT40-MTB2-60  | 2/17.78  | 60  | 32 | M10×1.5P  | 1.85      |       |
| A591510   | BT40-MTB3-75  | 3/23.825 | 75  | 40 | M12×1.75P | 1.30      |       |
| A591610   | BT40-MTB4-100 | 4/31.267 | 100 | 48 | M16×2P    | 1.60      |       |
| A591611   | BT40-MTB4-150 | 4/31.267 | 150 | 48 | M16×2P    | 1.60      |       |
| A591710   | BT50-MTB1-45  | 1/12.065 | 45  | 25 | M6×1P     | 3.80      |       |
| A591810   | BT50-MTB2-45  | 2/17.78  | 45  | 32 | M10×1.5P  | 3.90      |       |
| A591910   | BT50-MTB3-60  | 3/23.825 | 60  | 40 | M12×1.75P | 3.90      |       |
| A592010   | BT50-MTB4-75  | 4/31.267 | 75  | 48 | M16×2P    | 4.20      |       |
| A592110   | BT50-MTB5-120 | 5/44.399 | 120 | 63 | M20×2.5P  | 4.30      |       |



CAT钻头套

▼A601010-A601811 订单号 Order NO.

CAT/MTA MORSE TAPER ADAPTERS

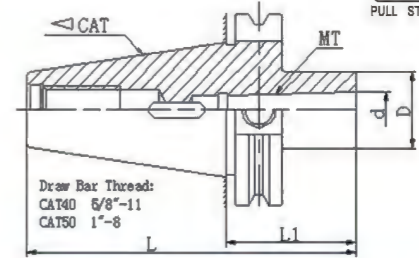
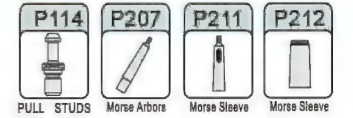


Type:A



Type:B

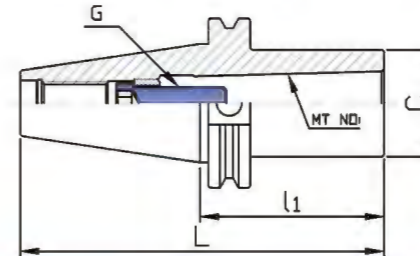
▼可选配 OPTIONAL



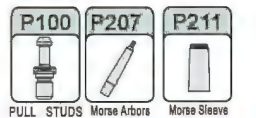
| Order NO. | Type             | L     | L1   | D    | d     | Price |
|-----------|------------------|-------|------|------|-------|-------|
| A601010   | CAT40×MTA1-1.60" | 4.287 | 1.60 | 1.00 | 0.475 |       |
| A601011   | CAT40×MTA1-1.75" | 4.437 | 1.75 | 1.00 | 0.475 |       |
| A601110   | CAT40×MTA2-2.00" | 4.687 | 2.00 | 1.25 | 0.700 |       |
| A601111   | CAT40×MTA2-2.44" | 5.127 | 2.44 | 1.25 | 0.700 |       |
| A601210   | CAT40×MTA3-2.75" | 5.437 | 2.75 | 1.75 | 0.938 |       |
| A601211   | CAT40×MTA3-3.00" | 5.887 | 3.00 | 1.75 | 0.938 |       |
| A601310   | CAT40×MTA4-3.75" | 6.437 | 3.75 | 2.00 | 1.231 |       |
| A601311   | CAT50×MTA4-3.38" | 7.380 | 3.38 | 2.00 | 1.231 |       |
| A601410   | CAT50×MTA1-2.00" | 6.000 | 2.00 | 1.00 | 0.475 |       |
| A601510   | CAT50×MTA2-2.00" | 6.000 | 2.00 | 1.62 | 0.700 |       |
| A601610   | CAT50×MTA3-2.50" | 6.500 | 2.50 | 1.62 | 0.938 |       |
| A601710   | CAT50×MTA4-3.30" | 7.300 | 3.30 | 2.00 | 1.231 |       |
| A601810   | CAT50×MTA5-4.10" | 8.100 | 4.10 | 2.75 | 1.748 |       |
| A601811   | CAT50×MTA5-4.62" | 8.620 | 4.62 | 2.75 | 1.748 |       |

▼A611010-A612010 订单号 Order NO.

CAT铣刀套  
CAT/MTB MORSE TAPER ADAPTER



▼可选配 OPTIONAL



| Order NO. | Type            | MT | L     | C     | G   | N.W. (kg) | Price |
|-----------|-----------------|----|-------|-------|-----|-----------|-------|
| A611010   | CAT30-MTB1-1.77 | 1  | 4.457 | 1     | M6  | 0.55      |       |
| A611110   | CAT30-MTB2-2.36 | 2  | 5.05  | 1.25  | M10 | 0.60      |       |
| A611210   | CAT40-MTB1-1.77 | 1  | 4.457 | 1     | M6  | 1.05      |       |
| A611310   | CAT40-MTB2-1.77 | 2  | 4.457 | 1.25  | M10 | 1.85      |       |
| A611410   | CAT40-MTB3-2.95 | 3  | 5.637 | 1.575 | M12 | 1.30      |       |
| A611510   | CAT40-MTB4-3.54 | 4  | 6.227 | 1.875 | M16 | 1.60      |       |
| A611610   | CAT50-MTB1-1.77 | 1  | 5.77  | 1     | M6  | 3.80      |       |
| A611710   | CAT50-MTB2-1.77 | 2  | 5.77  | 1.25  | M10 | 3.90      |       |
| A611810   | CAT50-MTB3-2.36 | 3  | 6.36  | 1.575 | M12 | 3.90      |       |
| A611910   | CAT50-MTB4-2.95 | 4  | 6.95  | 2     | M16 | 4.20      |       |
| A612010   | CAT50-MTB5-4.73 | 5  | 8.73  | 2.755 | M24 | 4.30      |       |

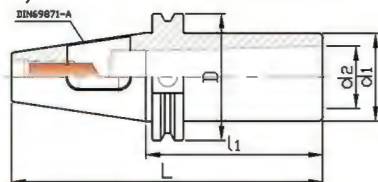




### SK钻头套

▼A621010-A622110 订单号 Order NO.

SK/MTA MORSE TAPER ADAPTERS  
(DIN 69871)



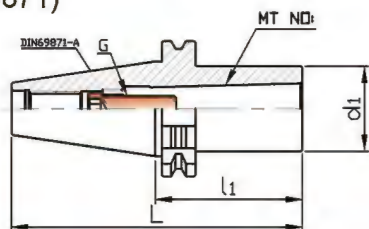
▼可选配 OPTIONAL



| Order NO. | Type          | L      | l1  | D     | d1 | d2     | N.W. (kg) | Price |
|-----------|---------------|--------|-----|-------|----|--------|-----------|-------|
| A621010   | SK30×MTA1-50  | 97.8   | 50  | 50    | 25 | 12.065 | 0.55      |       |
| A621110   | SK30×MTA2-60  | 107.8  | 60  | 50    | 32 | 17.780 | 0.80      |       |
| A621210   | SK30×MTA3-75  | 122.8  | 75  | 50    | 40 | 23.825 | 1.00      |       |
| A621310   | SK40×MTA1-50  | 118.4  | 50  | 63.55 | 25 | 12.065 | 1.20      |       |
| A621410   | SK40×MTA2-50  | 118.4  | 50  | 63.55 | 32 | 17.780 | 1.00      |       |
| A621510   | SK40×MTA3-70  | 138.4  | 70  | 63.55 | 40 | 23.825 | 1.10      |       |
| A621610   | SK40×MTA4-95  | 163.4  | 95  | 63.55 | 48 | 31.267 | 1.35      |       |
| A621710   | SK50×MTA1-45  | 146.75 | 45  | 97.50 | 25 | 12.065 | 3.00      |       |
| A621810   | SK50×MTA2-60  | 161.75 | 60  | 97.50 | 32 | 17.780 | 3.10      |       |
| A621910   | SK50×MTA3-65  | 166.75 | 65  | 97.50 | 40 | 23.825 | 3.20      |       |
| A622010   | SK50×MTA4-95  | 196.75 | 95  | 97.50 | 48 | 31.267 | 3.40      |       |
| A622110   | SK50×MTA5-105 | 206.75 | 105 | 97.50 | 63 | 44.399 | 3.60      |       |

▼A631010-A632010 订单号 Order NO.

SK铣刀套  
SK/MTB REDUCING SLEEVE ADAPTER  
(DIN 69871)



▼可选配 OPTIONAL



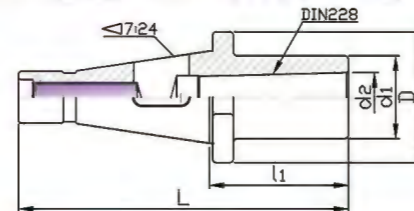
| Order NO. | Type          | MT | L      | d1 | G   | N.W. (kg) | Price |
|-----------|---------------|----|--------|----|-----|-----------|-------|
| A631010   | SK30-MTB1-45  | 1  | 92.8   | 25 | M6  | 0.55      |       |
| A631110   | SK30-MTB2-60  | 2  | 107.8  | 32 | M10 | 0.60      |       |
| A631210   | SK40-MTB1-45  | 1  | 128.4  | 25 | M6  | 1.05      |       |
| A631310   | SK40-MTB2-45  | 2  | 128.4  | 32 | M10 | 1.85      |       |
| A631410   | SK40-MTB3-75  | 3  | 143.4  | 40 | M12 | 1.30      |       |
| A631510   | SK40-MTB4-90  | 4  | 158.4  | 48 | M16 | 1.60      |       |
| A631610   | SK50-MTB1-45  | 1  | 146.75 | 25 | M6  | 3.80      |       |
| A631710   | SK50-MTB2-45  | 2  | 146.75 | 32 | M10 | 3.90      |       |
| A631810   | SK50-MTB3-60  | 3  | 161.75 | 40 | M12 | 3.90      |       |
| A631910   | SK50-MTB4-75  | 4  | 176.75 | 50 | M16 | 4.20      |       |
| A632010   | SK50-MTB5-120 | 5  | 221.75 | 70 | M24 | 4.30      |       |



### NT钻头套

▼A641010-A642310 订单号 Order NO.

NT/MTA MORSE TAPER ADAPTERS



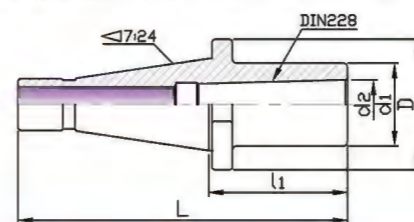
▼可选配 OPTIONAL



| Order No. | Type          | MT.NO. | d1(mm) | D(mm) | d2(mm) | L(mm) | Price |
|-----------|---------------|--------|--------|-------|--------|-------|-------|
| A641010   | NT30-MTA1-50  | MT1    | 24     | 50    | 12.065 | 118.4 |       |
| A641110   | NT30-MTA2-50  | MT2    | 30     | 50    | 17.78  | 118.4 |       |
| A641210   | NT30-MTA3-70  | MT3    | 36     | 50    | 23.825 | 138.4 |       |
| A641310   | NT30-MTA4-90  | MT4    | 48     | 50    | 31.267 | 158.4 |       |
| A641410   | NT40-MTA1-50  | MT1    | 24     | 63    | 12.065 | 143.4 |       |
| A641510   | NT40-MTA2-50  | MT2    | 30     | 63    | 17.78  | 143.4 |       |
| A641610   | NT40-MTA3-65  | MT3    | 36     | 63    | 23.825 | 158.4 |       |
| A641710   | NT40-MTA4-90  | MT4    | 48     | 63    | 31.267 | 183.4 |       |
| A641810   | NT40-MTA5-105 | MT5    | 61     | 63    | 44.399 | 198.4 |       |
| A641910   | NT50-MTA1-45  | MT1    | 25     | 97.5  | 12.065 | 171.8 |       |
| A642010   | NT50-MTA2-60  | MT2    | 32     | 97.5  | 17.78  | 186.8 |       |
| A642110   | NT50-MTA3-65  | MT3    | 40     | 97.5  | 23.825 | 191.8 |       |
| A642210   | NT50-MTA4-70  | MT4    | 48     | 97.5  | 31.267 | 196.8 |       |
| A642310   | NT50-MTA5-105 | MT5    | 61     | 97.5  | 44.399 | 231.8 |       |

▼A651010-A652110 订单号 Order NO.

NT铣刀套  
NT/MTB MORSE TAPER ADAPTERS



▼可选配 OPTIONAL



| Order No. | Type          | MT.NO. | d1(mm) | D(mm) | d2(mm) | L1  | L(mm) | Price |
|-----------|---------------|--------|--------|-------|--------|-----|-------|-------|
| A651010   | NT30-MTB1-50  | MT1    | 25     | 50    | 12.065 | 50  | 118.4 |       |
| A651110   | NT30-MTB2-50  | MT2    | 32     |       | 17.78  | 50  | 118.4 |       |
| A651210   | NT30-MTB3-70  | MT3    | 40     |       | 23.825 | 70  | 138.4 |       |
| A651310   | NT40-MTB1-50  | MT1    | 25     | 63    | 12.065 | 50  | 143.4 |       |
| A651410   | NT40-MTB2-50  | MT2    | 32     |       | 17.78  | 50  | 143.4 |       |
| A651510   | NT40-MTB3-65  | MT3    | 40     |       | 23.825 | 65  | 158.4 |       |
| A651610   | NT40-MTB4-90  | MT4    | 48     | 97.5  | 31.267 | 90  | 183.4 |       |
| A651710   | NT50-MTB1-45  | MT1    | 25     |       | 12.065 | 45  | 171.8 |       |
| A651810   | NT50-MTB2-60  | MT2    | 32     |       | 17.78  | 60  | 186.8 |       |
| A651910   | NT50-MTB3-65  | MT3    | 40     | 97.5  | 23.825 | 65  | 191.8 |       |
| A652010   | NT50-MTB4-70  | MT4    | 48     |       | 31.267 | 70  | 196.8 |       |
| A652110   | NT50-MTB5-105 | MT5    | 61     |       | 44.399 | 105 | 231.8 |       |



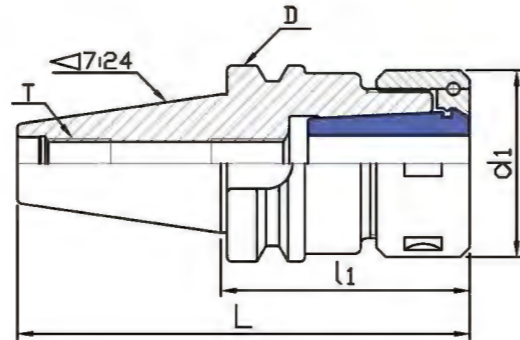




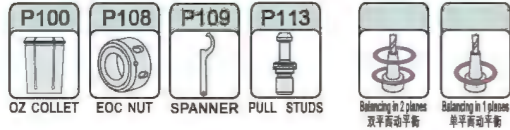
BT/EOC (OZ)刀杆

▼A661010-A661412 订单号 Order NO.

BT/EOC(OZ) COLLET CHUCKS



▼可选项 OPTIONAL



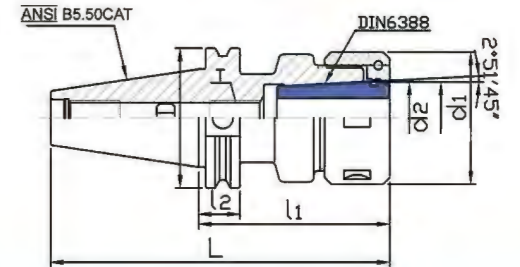
| Order NO. | Type           | L     | L1  | D   | d1 | T         | N.W. (kg) | Price |
|-----------|----------------|-------|-----|-----|----|-----------|-----------|-------|
| A661010   | BT30×EOC25-70  | 118.4 | 70  | 46  | 60 | M12×1.75P | 1.00      |       |
| A661110   | BT40×EOC25-70  | 135.4 | 70  | 63  | 60 | M16×2.0P  | 1.65      |       |
| A661111   | BT40×EOC25-100 | 165.4 | 100 |     |    |           | 2.25      |       |
| A661112   | BT40×EOC25-120 | 185.4 | 120 |     |    |           | 2.70      |       |
| A661210   | BT40×EOC32-90  | 155.4 | 90  |     |    |           | 2.00      |       |
| A661211   | BT40×EOC32-105 | 170.4 | 105 | 63  | 72 | M16×2.0P  | 2.20      |       |
| A661212   | BT40×EOC32-120 | 185.4 | 120 |     |    |           | 2.45      |       |
| A661310   | BT50×EOC25-85  | 186.8 | 85  | 100 | 60 | M24×2.0P  | 4.40      |       |
| A661311   | BT50×EOC25-100 | 201.8 | 100 |     |    |           | 4.80      |       |
| A661312   | BT50×EOC25-120 | 221.8 | 120 |     |    |           | 5.20      |       |
| A661410   | BT50×EOC32-90  | 191.8 | 90  | 100 | 72 | M24×2.0P  | 4.60      |       |
| A661411   | BT50×EOC32-105 | 206.8 | 105 |     |    |           | 4.85      |       |
| A661412   | BT50×EOC32-120 | 221.8 | 120 |     |    |           | 5.35      |       |



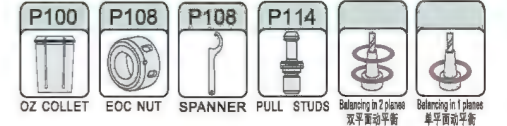
CAT/EOC(OZ)刀柄

▼A671010-A671311 订单号 Order NO.

CAT/EOC(OZ) COLLET CHUCK



▼可选项 OPTIONAL

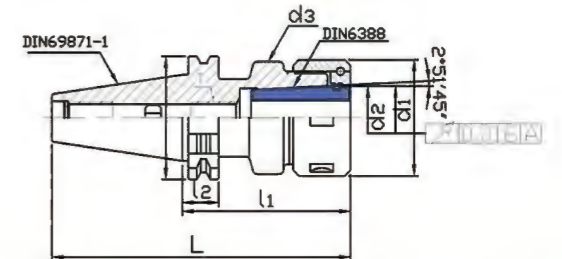


| Order NO. | Type              | L     | L2    | D     | d1    | d2    | T        | N.W. (kg) | Price |
|-----------|-------------------|-------|-------|-------|-------|-------|----------|-----------|-------|
| A671010   | CAT40×EOC25-3.15" | 5.837 | 1.375 | 2.500 | 2.362 | 1.295 | M16×2.0P | 1.55      |       |
| A671011   | CAT40×EOC25-4"    | 6.687 |       |       | 2.835 | 1.626 | M20×2.0P | 2.55      |       |
| A671110   | CAT40×EOC32-3.15" | 5.837 |       |       | 2.835 | 1.626 | M20×2.0P | 1.95      |       |
| A671111   | CAT40×EOC32-4"    | 6.687 | 1.375 | 3.875 | 3.362 | 1.295 | M16×2.0P | 2.35      |       |
| A671210   | CAT50×EOC25-3.15" | 7.15  |       |       |       |       |          | 2.835     | 1.626 |
| A671211   | CAT50×EOC25-4"    | 8     |       |       | 2.835 | 1.626 | M20×2.0P | 5.30      |       |
| A671212   | CAT50×EOC25-6"    | 10    |       |       |       |       |          | 4.40      |       |
| A671310   | CAT50×EOC32-3.15" | 7.15  | 1.375 | 3.875 | 2.835 | 1.626 | M20×2.0P | 5.70      |       |
| A671311   | CAT50×EOC32-4.70" | 8.7   |       |       |       |       |          | 6.10      |       |

▼A681010-A681411 订单号 Order NO.

SK/EOZ(OZ)刀杆

SK/EOZ(OZ) COLLET CHUCK-DIN69871



| Order NO. | Type           | L      | L2 | D     | d1 | d2   | T         | N.W. (kg) | Price |
|-----------|----------------|--------|----|-------|----|------|-----------|-----------|-------|
| A681010   | SK30×EOC25-80  | 127.8  | 35 | 50    | 60 | 32.9 | M12×1.75P | 1.50      |       |
| A681110   | SK40×EOC25-80  | 148.4  | 35 | 63.55 | 60 | 32.9 | M16×2.0P  | 1.85      |       |
| A681111   | SK40×EOC25-100 | 168.4  | 35 | 63.55 | 60 | 32.9 | M16×2.0P  | 2.30      |       |
| A681112   | SK40×EOC25-120 | 188.4  | 35 | 63.55 | 60 | 32.9 | M16×2.0P  | 2.55      |       |
| A681210   | SK40×EOC32-90  | 158.4  | 35 | 63.55 | 72 | 41.3 | M20×2.0P  | 1.95      |       |
| A681211   | SK40×EOC32-120 | 188.4  | 35 | 63.55 | 72 | 41.3 | M20×2.0P  | 2.35      |       |
| A681310   | SK50×EOC25-70  | 171.75 | 35 | 97.50 | 60 | 32.9 | M16×2.0P  | 3.25      |       |
| A681311   | SK50×EOC25-140 | 241.75 | 35 | 97.50 | 60 | 32.9 | M16×2.0P  | 5.10      |       |
| A681410   | SK50×EOC32-80  | 181.75 | 35 | 97.50 | 72 | 41.3 | M24×2.0P  | 4.40      |       |
| A681411   | SK50×EOC32-140 | 241.75 | 35 | 97.50 | 72 | 41.3 | M24×2.0P  | 5.70      |       |





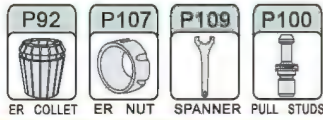


ISO-CNC 雕刻机、木工机

▼A691010-A691610 订单号 Order NO.

ISO-CNC BALANCED TOOL HOLDER  
NO KEY SLOT

▼可选项 OPTIONAL



- 最大转速: 30000rpm G2.5
- Type 适用于两面拘束系统。
- 适用于雕刻机及木工机。
- 扳手和筒夹为另购品。
- Max speed:30000rpm G2.5
- Type for "DOUBLE CONTACT SYSTEM"
- For small CNC machine centers,engraving/woodworking machines
- Wrench and collet NOT included

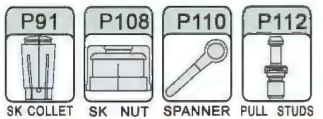
| Order No. | Type        | Capacity | Diameter of Clamping Nut | Collet | Spanner | Price |
|-----------|-------------|----------|--------------------------|--------|---------|-------|
| A691010   | ISO20-ER16M | 1-10     | 22                       | ER16   | SM16    |       |
| A691110   | ISO25-ER20M | 2-13     | 28                       | ER20   | SM20    |       |
| A691210   | ISO25-ER20M | 2-13     | 28                       | ER20   | SM20    |       |
| A691310   | ISO30-ER16  | 1-10     | 22                       | ER16   | S16     |       |
| A691410   | ISO30-ER20  | 2-13     | 28                       | ER20   | S20     |       |
| A691510   | ISO30-ER25  | 2-16     | 42                       | ER25   | S25     |       |
| A691610   | ISO30-ER32  | 3-20     | 50                       | ER32   | S32     |       |

▼A701010-A701310 订单号 Order NO.

SK-CNC 雕刻机、木工机

SK-CNC BALANCED TOOL HOLDER  
NO KEY SLOT

▼可选项 OPTIONAL



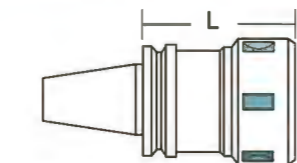
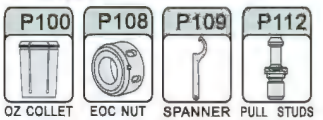
- 最大转速: 30000rpm G2.5
- Type 适用于两面拘束系统。
- 适用于雕刻机及木工机。
- 扳手和筒夹为另购品。
- Max speed:30000rpm G2.5
- Type for "DOUBLE CONTACT SYSTEM"
- For small CNC machine centers,engraving/woodworking machines
- Wrench and collet NOT included

| Order No. | Type        | Capacity | Diameter of Clamping Nut | Collet | Spanner | Price |
|-----------|-------------|----------|--------------------------|--------|---------|-------|
| A701010   | ISO25-SK10  | 2-10     | 27                       | SK10   | SK10    |       |
| A701110   | ISO25-DSK10 | 2-10     | 27                       | SK10   | SK10    |       |
| A701210   | ISO30-SK10  | 2-10     | 27                       | SK10   | SK10    |       |
| A701310   | ISO30-SK16  | 3-16     | 40                       | SK16   | SK16    |       |

▼A711010 订单号 Order NO.

ISO30-CNC 雕刻机、木工机  
OZ COLLET CHUCK NO KEY SLOT

▼可选项 OPTIONA



- 最大转速: 30000rpm G2.5
- OZ重切削刀杆可用于夹持钻头,铣刀及攻丝刀具。
- Max speed:30000rpm G2.5
- OZ collet chuck can clamp drills reamers, end mills and taps

| Order No. | Type       | L  | Capacity | Diameter of Clamping Nut | Collet | Spanner | Price |
|-----------|------------|----|----------|--------------------------|--------|---------|-------|
| A711010   | ISO30-OZ25 | 60 | 3-25     | 60                       | OZ25   | OZ25    |       |

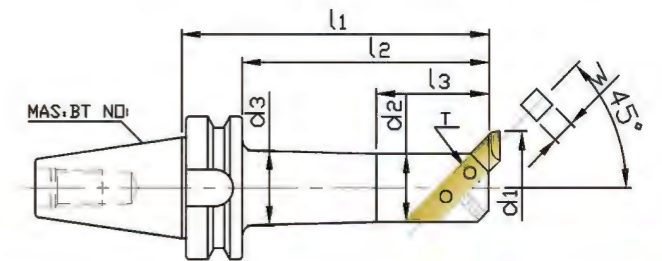
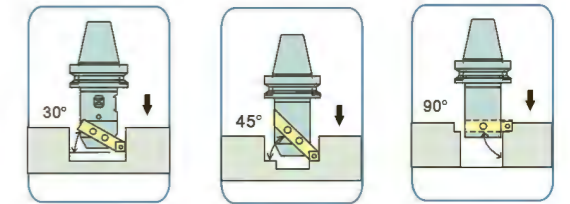
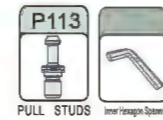


45°粗镗孔刀杆

▼A721010-A721124 订单号 Order NO.

45°SQUARE SHANK BORING BAR TYPE A

▼可选项 OPTIONA



| Order NO. | Type            | d1  |     | d2  | d3 | L2  | L3  | W    | T   | N.W. (kg) | Price |
|-----------|-----------------|-----|-----|-----|----|-----|-----|------|-----|-----------|-------|
|           |                 | Max | Min |     |    |     |     |      |     |           |       |
| A721010   | BT40×BSA25-120  | 38  | 25  | 20  | 22 | 90  | 35  | 8    | M6  | 1.2       |       |
| A721011   | BT40×BSA30-150  | 42  | 30  | 24  | 26 | 120 | 40  |      |     | 1.4       |       |
| A721012   | BT40×BSA38-165  | 52  | 38  | 30  | 33 | 135 | 50  | 10   | M8  | 1.7       |       |
| A721013   | BT40×BSA42-165  | 56  | 42  | 34  | 37 |     | 65  |      |     | 13        | 2.0   |
| A721014   | BT40×BSA50-165  | 65  | 50  | 40  | 44 |     | 80  | 16   | 2.3 |           |       |
| A721015   | BT40×BSA62-180  | 90  | 62  | 50  | 56 | 150 | 80  | 19   | M10 | 2.4       |       |
| A721016   | BT40×BSA72-180  | 110 | 72  | 60  | -  |     | 95  |      |     | 19        | 3.9   |
| A721017   | BT40×BSA90-180  | 125 | 90  | 75  | -  |     | 110 | 19   | 5.2 |           |       |
| A721110   | BT50×BSA25-135  | 38  | 25  | 20  | 22 | 92  | 35  | 8    | M6  | 4.2       |       |
| A721111   | BT50×BSA30-165  | 42  | 30  | 24  | 26 | 122 | 40  |      |     | 4.4       |       |
| A721112   | BT50×BSA38-180  | 52  | 38  | 30  | 33 | 137 | 50  | 10   | M8  | 4.8       |       |
| A721113   | BT50×BSA42-210  | 56  | 42  | 34  | 37 | 167 | 60  |      |     | 5.0       |       |
| A721114   | BT50×BSA50-180  | 65  | 50  | 40  | 44 | 137 | 65  | 13   | M10 | 5.4       |       |
| A721115   | BT50×BSA50-240  | 65  | 50  | 40  | 44 | 197 | 65  |      |     | 5.7       |       |
| A721116   | BT50×BSA62-195  | 90  | 62  | 50  | 56 | 152 | 80  | 16   | M10 | 6.2       |       |
| A721117   | BT50×BSA62-270  | 90  | 62  | 50  | 56 | 227 | 80  |      |     | 7.6       |       |
| A721118   | BT50×BSA72-195  | 110 | 72  | 60  | 66 | 152 | 95  | 19   | M10 | 7.0       |       |
| A721119   | BT50×BSA72-285  | 110 | 72  | 60  | 66 | 242 | 95  |      |     | 9.3       |       |
| A721120   | BT50×BSA90-210  | 125 | 90  | 75  | 80 | 167 | 110 | 25   | M12 | 9.2       |       |
| A721121   | BT50×BSA90-300  | 125 | 90  | 75  | 80 | 257 | 110 |      |     | 12.3      |       |
| A721122   | BT50×BSA105-195 | 160 | 105 | 90  | -  | -   | -   | 25   | M12 | 10.7      |       |
| A721123   | BT50×BSA105-285 | 160 | 105 | 90  | 94 | -   | 130 |      |     | 15.0      |       |
| A721124   | BT50×BSA130-255 | 190 | 130 | 110 | -  | -   | 120 | 14.5 |     |           |       |

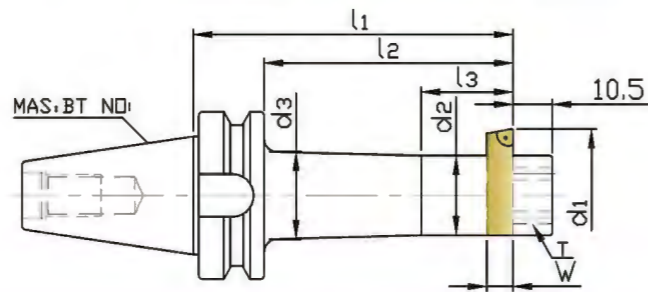
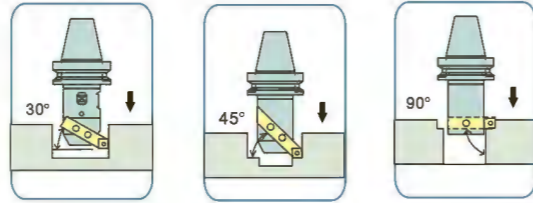




90°粗镗孔刀杆

▼A731010-A731122 订单号 Order NO.

90°SQUARE SHANK BORING BAR TYPE B



▼可选配 OPTIONA



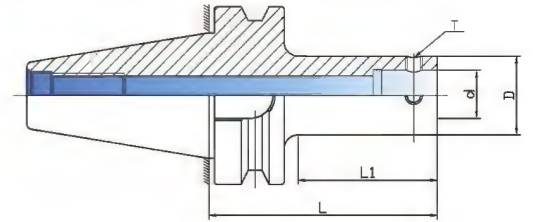
| Order NO. | Type            | d1  |     | d2  | d3 | L2  | L3  | W  | T   | N.W. (kg) | Price |
|-----------|-----------------|-----|-----|-----|----|-----|-----|----|-----|-----------|-------|
|           |                 | Max | Min |     |    |     |     |    |     |           |       |
| A731010   | BT40×BSB25-120  | 52  | 25  | 20  | 22 | 90  | 35  | 8  | M6  | 1.2       |       |
| A731011   | BT40×BSB38-150  | 70  | 38  | 30  | 33 | 120 | 55  | 10 | M8  | 1.7       |       |
| A731012   | BT40×BSB50-165  | 90  | 50  | 40  | 44 | 135 | 70  | 13 | M10 | 2.5       |       |
| A731013   | BT40×BSB62-180  | 115 | 62  | 50  | 56 | 150 | 80  | 16 | M10 | 3.6       |       |
| A731014   | BT40×BSB90-180  | 150 | 90  | 75  | -  | 150 | 115 | 19 | M12 | 5.9       |       |
| A731110   | BT50×BSB25-135  | 52  | 25  | 20  | 22 | 92  | 35  | 8  | M6  | 4.3       |       |
| A731111   | BT50×BSB38-180  | 70  | 38  | 30  | 32 | 137 | 55  | 10 | M8  | 4.9       |       |
| A731112   | BT50×BSB50-180  | 90  | 50  | 40  | 44 | 137 | 70  | 13 | M10 | 5.5       |       |
| A731113   | BT50×BSB50-240  | 90  | 50  | 40  | 44 | 197 | 70  |    |     | 5.8       |       |
| A731114   | BT50×BSB62-195  | 115 | 62  | 50  | 56 | 152 | 80  |    |     | 6.4       |       |
| A731115   | BT50×BSB62-270  | 115 | 62  | 50  | 56 | 227 | 80  | 16 | M10 | 7.8       |       |
| A731116   | BT50×BSB72-195  | 135 | 72  | 60  | 66 | 152 | 95  |    |     | 7.3       |       |
| A731117   | BT50×BSB72-285  | 135 | 72  | 60  | 66 | 242 | 95  | 19 | M10 | 9.6       |       |
| A731118   | BT50×BSB90-210  | 150 | 90  | 75  | 80 | 167 | 115 |    |     | 9.7       |       |
| A731119   | BT50×BSB90-300  | 150 | 90  | 75  | 80 | 257 | 115 |    |     | 12.8      |       |
| A731120   | BT50×BSB105-195 | 190 | 105 | 90  | 90 | -   | -   | 25 | M12 | 11.4      |       |
| A731121   | BT50×BSB105-285 | 190 | 105 | 90  | 94 | -   | 135 |    |     | 15.7      |       |
| A731122   | BT50×BSB130-255 | 260 | 130 | 110 | -  | -   | 60  |    |     | 14.1      |       |



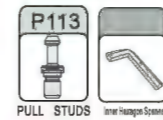
BT/LBK 镗孔头刀杆

▼A741010-A741221 订单号 Order NO.

BT/LBK BORING HEAD SHANK



▼可选配 OPTIONA



- 内孔公差H6
- 整支通孔，利于出水及抗震
- 锁固时请使用螺丝防卡油防止因镗孔加工扭力过大，导致螺丝卡死，难以拆卸组装。
- Internal tolerance is H6
- The tool holder is through-one, which is better for water to get through and anti-vibrant.
- Locking screw preventing oil to prevent excessive torque due to boring processing, resulting in death is difficult to remove the assembly screws card.

| Order NO. | Type          | L   | L1  | d  | D  | T        | N.W. KG | Price |
|-----------|---------------|-----|-----|----|----|----------|---------|-------|
| A741010   | BT30-LBK1-70  | 70  | 40  | 11 | 19 | M4X0.5P  | 0.6     |       |
| A741011   | BT30-LBK2-80  | 80  | 55  | 14 | 24 | M5X0.5P  | 0.7     |       |
| A741012   | BT30-LBK3-70  | 70  | 45  | 18 | 31 | M6X0.75P | 0.9     |       |
| A741013   | BT30-LBK4-70  | 70  | 45  | 22 | 39 | M8X0.75P | 1       |       |
| A741014   | BT30-LBK5-65  | 65  | 40  | 28 | 50 | M10X1.0P | 1.1     |       |
| A741015   | BT30-LBK6-65  | 65  | 40  | 36 | 64 | M12X1.0P | 1.2     |       |
| A741110   | BT40-LBK1-80  | 80  | 55  | 11 | 19 | M4X0.5P  | 1.2     |       |
| A741111   | BT40-LBK1-120 | 120 | 40  | 11 | 19 | M4X0.5P  | 1.3     |       |
| A741112   | BT40-LBK1-170 | 170 | 40  | 11 | 19 | M4X0.5P  | 1.6     |       |
| A741113   | BT40-LBK2-80  | 80  | 55  | 14 | 24 | M5X0.5P  | 1.2     |       |
| A741114   | BT40-LBK2-120 | 120 | 95  | 14 | 24 | M5X0.5P  | 1.4     |       |
| A741115   | BT40-LBK2-175 | 175 | 53  | 14 | 24 | M5X0.5P  | 1.9     |       |
| A741116   | BT40-LBK3-80  | 80  | 55  | 18 | 31 | M6X0.75P | 1.2     |       |
| A741117   | BT40-LBK3-120 | 120 | 95  | 18 | 31 | M6X0.75P | 1.5     |       |
| A741118   | BT40-LBK3-150 | 150 | 58  | 18 | 31 | M6X0.75P | 1.8     |       |
| A741119   | BT40-LBK4-80  | 80  | 55  | 22 | 39 | M8X0.75P | 1.4     |       |
| A741120   | BT40-LBK4-125 | 125 | 100 | 22 | 39 | M8X0.75P | 1.8     |       |
| A741121   | BT40-LBK4-145 | 145 | 56  | 22 | 39 | M8X0.75P | 1.9     |       |
| A741122   | BT40-LBK5-80  | 80  | 55  | 28 | 50 | M10X1.0P | 1.6     |       |
| A741123   | BT40-LBK5-100 | 100 | 75  | 28 | 50 | M10X1.0P | 2       |       |
| A741124   | BT40-LBK5-135 | 135 | 110 | 28 | 50 | M10X1.0P | 2.5     |       |
| A741125   | BT40-LBK6-55  | 55  | 30  | 36 | 64 | M12X1.0P | 1.4     |       |
| A741126   | BT40-LBK6-115 | 115 | 88  | 36 | 64 | M12X1.0P | 2.4     |       |
| A741210   | BT50-LBK1-100 | 100 | 65  | 11 | 19 | M4X0.5P  | 3.9     |       |
| A741211   | BT50-LBK1-170 | 170 | 40  | 11 | 19 | M4X0.5P  | 4.5     |       |
| A741212   | BT50-LBK2-125 | 125 | 90  | 14 | 24 | M5X0.5P  | 4.1     |       |
| A741213   | BT50-LBK2-175 | 175 | 65  | 14 | 24 | M5X0.5P  | 4.55    |       |
| A741214   | BT50-LBK3-125 | 125 | 90  | 18 | 31 | M6X0.75P | 4.3     |       |
| A741215   | BT50-LBK3-200 | 200 | 80  | 18 | 31 | M6X0.75P | 4.95    |       |
| A741216   | BT50-LBK4-115 | 115 | 80  | 22 | 39 | M8X0.75P | 4.4     |       |
| A741217   | BT50-LBK4-175 | 175 | 140 | 22 | 39 | M8X0.75P | 5       |       |
| A741218   | BT50-LBK5-135 | 135 | 100 | 28 | 50 | M10X1.0P | 5.2     |       |
| A741219   | BT50-LBK5-195 | 195 | 160 | 28 | 50 | M10X1.0P | 6.2     |       |
| A741220   | BT50-LBK6-110 | 110 | 75  | 36 | 64 | M12X1.0P | 5       |       |
| A741221   | BT50-LBK6-170 | 170 | 135 | 36 | 64 | M12X1.0P | 6.2     |       |

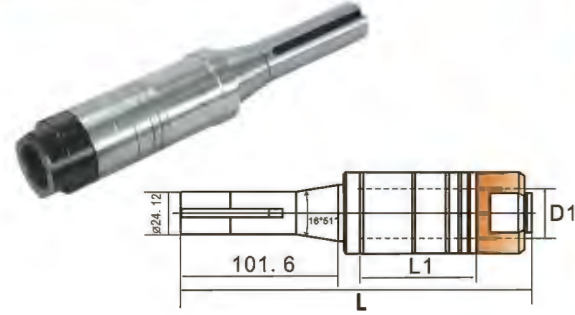




**R8 侧铣刀杆**

▼ **A751010-A751113** 订单号 Order NO.

R8 SIDE CUTTER ARBORS

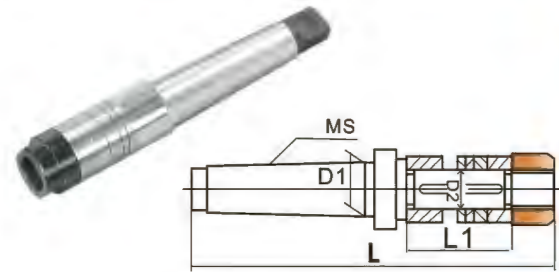


| Order No. | Type      | D1(mm) | L1(mm) | L(mm) | Price |
|-----------|-----------|--------|--------|-------|-------|
| A751010   | R8-13     | 13     | 63     | 199   |       |
| A751011   | R8-16     | 16     |        | 201   |       |
| A751012   | R8-22     | 22     |        | 206   |       |
| A751110   | R8-1"     | 25.4   | 50.8   | 193   |       |
| A751111   | R8-27     | 27     | 63     | 211   |       |
| A751112   | R8-1-1/4" | 31.75  | 50.8   | 196   |       |
| A751113   | R8-32     | 32     | 63     | 215   |       |

▼ **A751210-A751216** 订单号 Order NO.

**莫氏侧铣刀杆**

MORSE TAPER SIDE CUTTER ARBORS

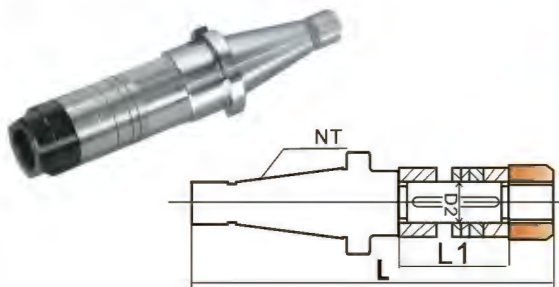


| Order No. | Type       | Shank | D1(mm) | D2(mm) | L(mm) | Price |
|-----------|------------|-------|--------|--------|-------|-------|
| A751210   | MS3-13     | MS3   | 23.825 | 13     | 199   |       |
| A751211   | MS3-16     |       |        | 16     | 201   |       |
| A751212   | MS3-22     |       |        | 22     | 206   |       |
| A751213   | MS3-1"     |       |        | 25.4   | 174   |       |
| A751214   | MS3-27     |       |        | 27     | 211   |       |
| A751215   | MS3-1-1/4" |       |        | 31.75  | 177   |       |
| A751216   | MS3-32     |       |        | 32     | 215   |       |

▼ **A751310-A751414** 订单号 Order NO.

**NT 侧铣刀杆**

NT SIDE CUTTER ARBORS



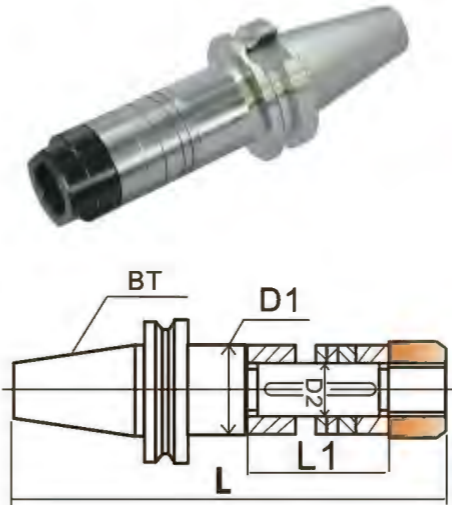
| Order No. | Type        | Shank | D2(mm) | L(mm) | Price |
|-----------|-------------|-------|--------|-------|-------|
| A751310   | NT30-13     | NT30  | 13     | 199   |       |
| A751311   | NT30-16     |       | 16     | 201   |       |
| A751312   | NT30-22     |       | 22     | 206   |       |
| A751313   | NT30-1"     |       | 25.4   | 174   |       |
| A751314   | NT30-27     |       | 27     | 211   |       |
| A751315   | NT30-1-1/4" |       | 31.75  | 177   |       |
| A751316   | NT30-32     |       | 32     | 215   |       |
| A751410   | NT40-13     | NT40  | 13     | 227   |       |
| A751411   | NT40-16     |       | 16     | 229   |       |
| A751412   | NT40-22     |       | 22     | 234   |       |
| A751413   | NT40-27     |       | 27     | 239   |       |
| A751414   | NT40-32     |       | 32     | 243   |       |



**BT 侧铣刀杆**

▼ **A751510-A751614** 订单号 Order NO.

BT SIDE CUTTER ARBORS

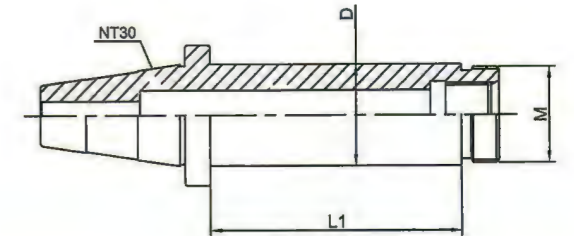


| Order No. | Type        | Shank | D2(mm) | L(mm) | Price |
|-----------|-------------|-------|--------|-------|-------|
| A751510   | BT30-13     | BT30  | 13     | 179   |       |
| A751511   | BT30-16     |       | 16     | 181   |       |
| A751512   | BT30-22     |       | 22     | 186   |       |
| A751513   | BT30-1"     |       | 25.4   | 154   |       |
| A751514   | BT30-27     |       | 27     | 191   |       |
| A751515   | BT30-1-1/4" |       | 31.75  | 157   |       |
| A751516   | BT30-32     |       | 32     | 195   |       |
| A751610   | BT40-13     | BT40  | 13     | 200   |       |
| A751611   | BT40-16     |       | 16     | 202   |       |
| A751612   | BT40-22     |       | 22     | 207   |       |
| A751613   | BT40-27     |       | 27     | 212   |       |
| A751614   | BT40-32     |       | 32     | 216   |       |

▼ **A761010-A761110** 订单号 Order NO.

**NT30F 砂轮杆**

NT30F Grinding Wheel Rod



| Order No. | Type              | D(mm)  | L(mm) | M       | Price |
|-----------|-------------------|--------|-------|---------|-------|
| A761010   | NT30F-OD31.75-80  | ø31.75 | 80    | M30*1.5 |       |
| A761110   | NT30F-OD31.75-120 | ø31.75 | 120   | M30*1.5 |       |

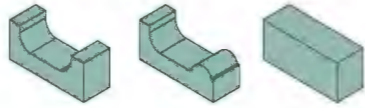
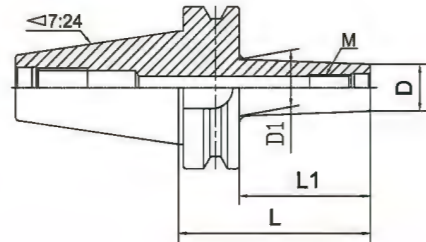




BT 圆刃铣刀杆

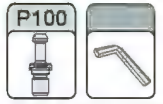
▼ A771010-A771119 订单号 Order NO.

BT Screw-in Endmill Holder



R角加工 曲面加工 平面加工

▼ 可选配 OPTIONA

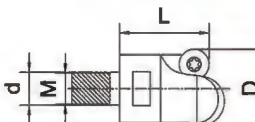


Pull Studs Inner Hexagon Spinner

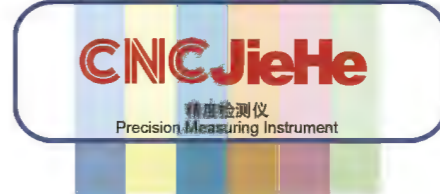
| Order NO. | Type            | M   | D  | D1 | L1 | L   | N.W. (kg) | Price |
|-----------|-----------------|-----|----|----|----|-----|-----------|-------|
| A771010   | BT40-AMD122-080 | 6   | 11 | 12 | 53 | 80  | 1.1       |       |
| A771011   | BT40-AMD122-100 | 6   | 11 | 12 | 73 | 100 | 1.2       |       |
| A771012   | BT40-AMD123-080 | 6   | 11 | 12 | 53 | 80  | 1.2       |       |
| A771013   | BT40-AMD162-080 | 8.0 | 13 | 16 | 53 | 80  | 1.2       |       |
| A771014   | BT40-AMD162-100 | 8.0 | 13 | 16 | 73 | 100 | 1.3       |       |
| A771015   | BT40-AMD202-080 | 10  | 18 | 20 | 53 | 80  | 1.2       |       |
| A771016   | BT40-AMD202-100 | 10  | 18 | 20 | 73 | 100 | 1.3       |       |
| A771017   | BT40-AMD253-080 | 12  | 21 | 25 | 53 | 80  | 1.3       |       |
| A771018   | BT40-AMD253-100 | 12  | 21 | 25 | 53 | 80  | 1.4       |       |
| A771019   | BT40-AMD354-080 | 16  | 29 | 35 | 53 | 80  | 1.4       |       |
| A771020   | BT40-AMD354-100 | 16  | 29 | 35 | 53 | 100 | 1.6       |       |
| A771110   | BT50-AMD122-100 | 6   | 11 | 12 | 62 | 100 | 4.0       |       |
| A771111   | BT50-AMD122-120 | 6   | 11 | 12 | 82 | 120 | 4.1       |       |
| A771112   | BT50-AMD162-100 | 8   | 13 | 16 | 62 | 100 | 4.0       |       |
| A771113   | BT50-AMD162-100 | 8   | 13 | 16 | 82 | 120 | 4.1       |       |
| A771114   | BT50-AMD202-100 | 10  | 18 | 20 | 62 | 100 | 4.1       |       |
| A771115   | BT50-AMD202-120 | 10  | 18 | 20 | 82 | 120 | 4.2       |       |
| A771116   | BT50-AMD253-100 | 12  | 21 | 25 | 62 | 100 | 4.1       |       |
| A771117   | BT50-AMD253-120 | 12  | 21 | 25 | 82 | 120 | 4.2       |       |
| A771118   | BT50-AMD354-100 | 16  | 29 | 35 | 62 | 100 | 4.2       |       |
| A771119   | BT50-AMD354-120 | 16  | 29 | 35 | 82 | 120 | 4.3       |       |

▼ A785010-A787014 订单号 Order NO.

圆刃铣刀 Corner Rounding End Mills



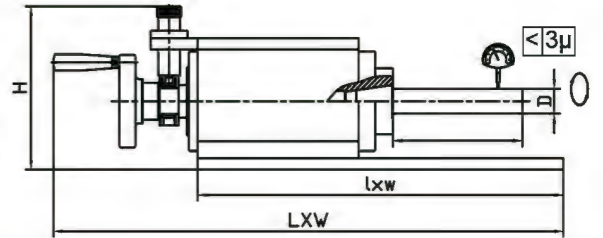
| Order NO. | Model No.          | d    | D  | M  | L  | Teeth | Insert     | Screw   | Clamp | Screw | Wrench | Price    |
|-----------|--------------------|------|----|----|----|-------|------------|---------|-------|-------|--------|----------|
| A785010   | RD051-D123-MD11-18 | 6.5  | 12 | 6  | 18 | 3     | RD..0501.. | MS2005A | —     | —     | T6     |          |
| A786010   | RD072-D162-MD14-23 | 8.5  | 16 | 8  | 23 | 2     | RD..0702.. | MS2506B | —     | —     | T9     |          |
| A786011   | RD072-D172-MD14-23 | 8.5  | 17 | 8  | 23 | 2     |            |         |       |       |        |          |
| A786012   | RD072-D203-MD18-30 | 10.5 | 20 | 10 | 30 | 3     |            |         |       |       |        |          |
| A786013   | RD072-D213-MD18-30 | 10.5 | 21 | 10 | 30 | 3     |            |         |       |       |        |          |
| A786014   | RD072-D254-MD23-35 | 12.5 | 25 | 12 | 35 | 4     |            |         |       |       |        |          |
| A786015   | RD072-D265-MD23-35 | 12.5 | 26 | 12 | 35 | 4     |            |         |       |       |        |          |
| A786016   | RD072-D356-MD29-43 | 17   | 35 | 16 | 43 | 6     |            |         |       |       |        |          |
| A787010   | RD103-D202-MD18-30 | 10.5 | 20 | 10 | 30 | 2     | RD..1003.. | MS3507A | —     | —     | T15    |          |
| A787011   | RD103-D212-MD18-30 | 10.5 | 21 | 10 | 30 | 2     |            |         |       |       |        |          |
| A787012   | RD103-D253-MD23-35 | 12.5 | 25 | 12 | 35 | 3     |            |         |       |       |        |          |
| A787013   | RD103-D263-MD23-35 | 12.5 | 26 | 12 | 35 | 3     |            |         |       |       |        |          |
| A787014   | RD103-D354-MD29-43 | 17   | 35 | 16 | 43 | 4     |            |         |       |       |        | RD..1003 |



精度检测仪

▼ A791010-A791210 订单号 Order NO.

Precision Measuring Instrument



校正刀片公差  
Correction insert tolerances



校正刀杆公差  
Correction shank tolerances



校正刀杆公差  
Correction shank tolerances



校正筒夹公差  
Correction collet tolerances

使用注意事项

1. 测量仪主轴孔装置保持清洁, 注意防护与保养。
2. 使用前用检验棒校正是否正确, 测量仪器自身精度在 300mm<0.003mm。
3. 测量刀具刀柄时, 保证刀柄接触锥面清洁干净。
4. 在使用过程中禁止对测量仪敲打和振动; 刀柄要轻放入测量仪中, 以免破坏精度
5. 平稳放置在工作台上, 室温保持 20° ± 15°

Operation Notice

1. Keep clean for spindle hole, pay attention to protection and maintenance.
2. Before using, calibrate with master bar and make sure the device accuracy at 300mm < 0.003mm
3. Keep the touching face of tool holder clean when test it.
4. Do not beat and shake the device, tool holder must be put into the device lightly to avoid damaging the accuracy.
5. Room temperature is maintained around 20° ± 10°

SPECIFICATION

Unit: mm

| Order NO. | Type     | Taper           | Overall Dimension L×W×H(mm) | Plate Dimension l×w×H(mm) | N.W. (kg) | PRICE |
|-----------|----------|-----------------|-----------------------------|---------------------------|-----------|-------|
| A791010   | JHM-WS30 | NT30/BT30/CAT30 | 697×220×200                 | 500×280×15                | 59        |       |
| A791110   | JHM-WS40 | NT40/BT40/CAT40 |                             |                           |           |       |
| A791210   | JHM-WS50 | NT50/BT50/CAT50 |                             |                           |           |       |





刀柄精度检测仪

▼ A801010-A801210 订单号 Order NO.

Inspection Device for Tool Hoolder



拉钉孔测量装置  
the runout of pull stud hole



盘铣刀精度测量  
runout of milling cutter



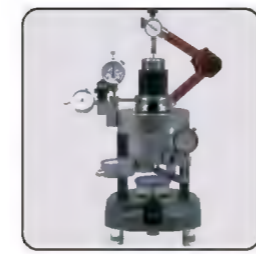
刀柄综合跳动测量  
intergrated runout of tool holder



锥高检测  
the taper length



检测V槽位置和直径尺寸  
verify the location and dimensional accuracy of the vee-flange



刀柄、拉钉精度测量  
the runout of tool holder, pull stud

操作注意事项

- 1.检测刀柄要轻放于检测孔内, 保证保持架钢球、刀柄锥清洁
- 2.将量表置于检验位置上, 即可检验及校正
- 3.量表测量时, 请确实掌握测试杆最高点为探测接触点
- 4.检测NT与CAT刀柄时把测量拉钉装置拆掉。

注意事项

- 1.校正座必须置于水平固定架上
- 2.放置清洁室温保持20°±10°左右
- 3.禁止对校正座敲打或碰撞
- 4.随时保持清洁及定期检测、保养
- 5.量表置于检验位置上, 即可检验及校正

Operation

- 1.To detect handle gently on the detection hole, ensure that cage ball, cone handle cleaning
- 2.Position the fixing key on spindle,turn right and fix the spindle .
- 3.The highest Position of the testing bar is the contact point.
- 4.Detection of NT and CAT to handle screws removed measurement device.

Matters needing attention

- 1.Correction seat must be placed on a horizontal bracket.
- 2.Place Clane room temperature is maintained around 20°±10°.
- 3.Do not konck or touch the corrected seat.
- 4.Kept clane and regular testing ,maintenance.
- 5.The scale is placed on the test location,you can test and calibration .

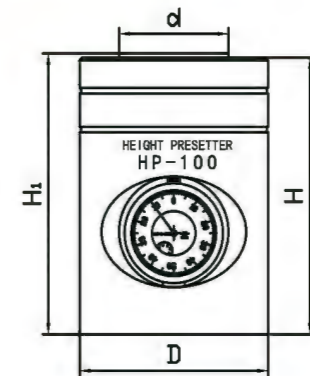
| Order NO. | Model    | Taper           | LxWxH       | N.W. (kg) | PRICE |
|-----------|----------|-----------------|-------------|-----------|-------|
| A801010   | JHM-LS30 | NT30/BT30/CAT30 | 190x175x231 | 11.00     |       |
| A801110   | JHM-LS40 | NT40/BT40/CAT40 | 190x175x231 | 11.00     |       |
| A801210   | JHM-LS50 | NT50/BT50/CAT50 | 190x175x283 | 28.00     |       |



Z轴测定器

▼ A811010 订单号 Order NO.

Z Figure Meter



特点

高精密度、高准确度、高便利性。  
测量接触面积大, 以利测量作业

Features

High precision.high accuracy.convenience.  
The survey contacted area is big.in order to help suevey work

可选配 OPTIONA



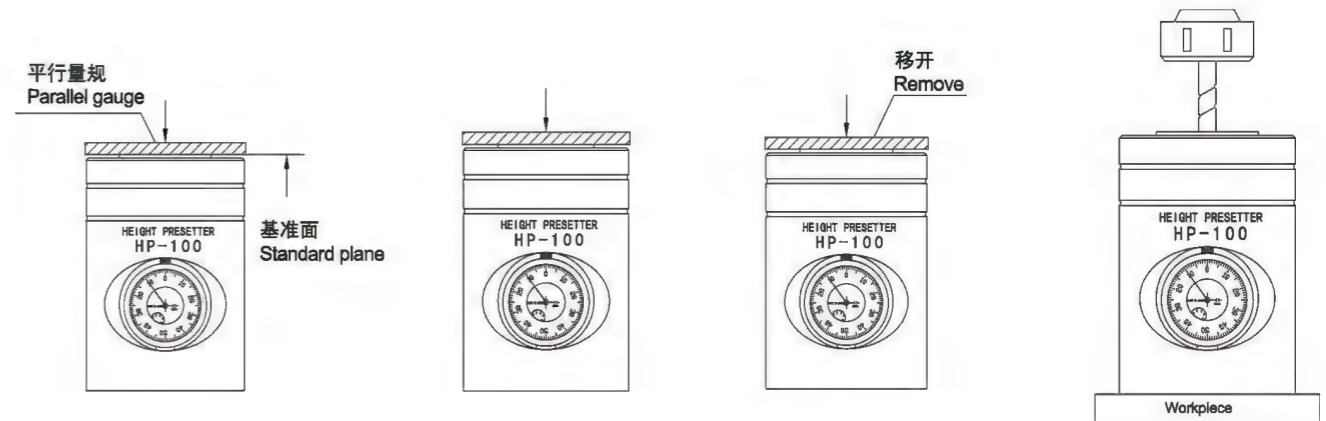
| Order NO. | Model  | D mm/in.   | d mm/in.   | H±0.005 mm/in. | H <sub>1</sub> mm/in. | N.W. (Kg) | Price |
|-----------|--------|------------|------------|----------------|-----------------------|-----------|-------|
| A811010   | HP-100 | 69<br>2.71 | 40<br>1.57 | 100<br>3.94    | 101.5<br>4            | 3.2       |       |

使用方法:

- 请将平行量块至于基准面上
- 转动百分表, 使长针转动
- 将平行量规移开
- 将Z轴设定器置于工件上, 刀具移向操作面, 请慢速进刀至秒针指在“0”, 则刀具与工件的距离是100mm

Operation instruction

- Please use the parallel gauge to press standard plane
- Turn the indicator and adjust the needle to "0"
- Remove the parallel gauge
- Put the whole unit on the workpiece,when outer touched the probe face please feed slowly to the needle to "0".The cutter distance is now 100mm above the workpiece



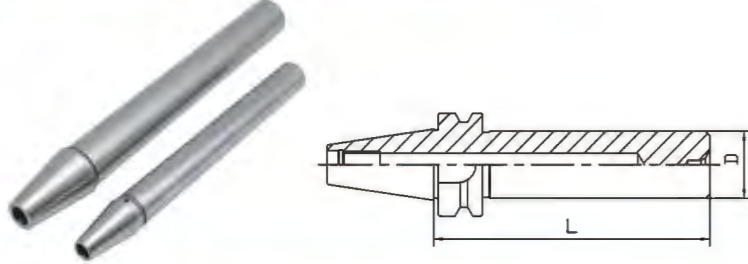




**BT检验棒**

▼ A821010-A821215 订单号 Order NO.

BT Test Bar BT检验棒



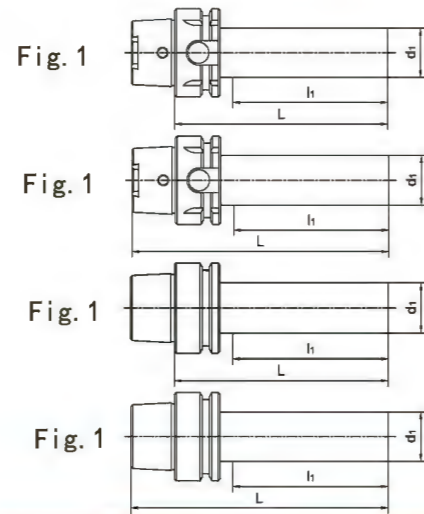
- Taper Contant >85%
- Test arbor is used to measure the runout of machine spindle
- When ordering please specify the draw bolt with inch size or metric size
- 锥度配合度 >85%
- 检测棒为测量机床主轴精度使用
- 请于订购时, 确认刀杆为英制或公制

| Order No | Type          | D  | L   | Roundness<br>真圆度 | Concentricity<br>同轴度 | Price |
|----------|---------------|----|-----|------------------|----------------------|-------|
| A821010  | BT30-TB30-200 | 30 | 200 | <0.003           | <0.005               |       |
| A821011  | BT30-TB30-250 | 30 | 250 |                  |                      |       |
| A821110  | BT40-TB40-250 | 40 | 250 |                  |                      |       |
| A821111  | BT40-TB40-300 | 40 | 300 |                  |                      |       |
| A821112  | BT40-TB40-350 | 40 | 350 |                  |                      |       |
| A821210  | BT50-TB40-300 | 40 | 300 |                  |                      |       |
| A821211  | BT50-TB40-350 | 40 | 350 |                  |                      |       |
| A821212  | BT50-TB40-400 | 40 | 400 |                  |                      |       |
| A821213  | BT50-TB63-300 | 63 | 300 |                  |                      |       |
| A821214  | BT50-TB63-350 | 63 | 350 |                  |                      |       |
| A821215  | BT50-TB63-400 | 63 | 400 |                  |                      |       |

**HSK检验棒**

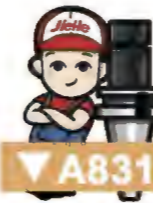
▼ A821310-A822110 订单号 Order NO.

HSK Test Bar



- 检测棒为测量机床主轴精度使用
- 请于订购时, 确认刀杆为英制或公制
- 锥度配合度 >85%
- Test arbor is used to measure the runout of machine spindle
- When ordering please specify the draw bolt with inch size or metric size
- Taper Contant >85%

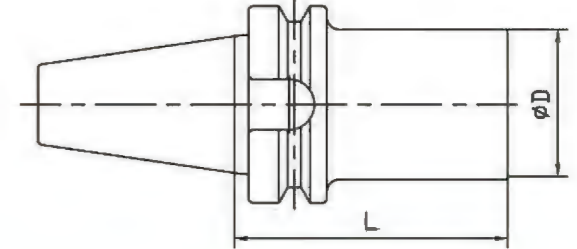
| Order No | Type          | L   | l1  | d1 | Roundness<br>真圆度 | Concentricity<br>同轴度 | Fig. | Price |
|----------|---------------|-----|-----|----|------------------|----------------------|------|-------|
| A821310  | HSK40A-TS180  | 215 | 180 | 32 | <0.001           | <0.005               | 1    |       |
| A821410  | HSK50A-TS240  | 282 | 240 |    |                  |                      |      |       |
| A821510  | HSK25E-TS175  | 195 | 175 | 20 |                  |                      |      |       |
| A821610  | HSK32E-TS180  | 215 | 180 |    |                  |                      |      |       |
| A821710  | HSK40E-TS180  |     |     |    |                  |                      |      |       |
| A821810  | HSK50E-TS240  | 282 | 240 | 32 |                  |                      |      |       |
| A821910  | HSK63A-TS300  | 374 | 300 |    |                  |                      |      |       |
| A822010  | HSK100A-TS300 | 395 | 300 | 50 |                  |                      | 3    |       |
| A822110  | HSK63E-TS300  | 367 | 300 | 40 |                  |                      | 4    |       |



**BT带软柄的切断刀柄**

▼ A831010-A831014 订单号 Order NO.

BT BLANK TOOLHOLDER WITH SOFT SHANK



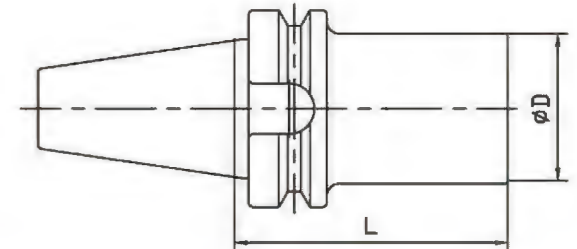
HRC26-28

| Order NO. | Type         | ISO | D (mm) | L (mm) | Price |
|-----------|--------------|-----|--------|--------|-------|
| A831010   | BT30D40L160  | 30  | 40     | 160    |       |
| A831011   | BT30D80L150  |     | 80     | 150    |       |
| A831012   | BT40D63L160  | 40  | 63     | 160    |       |
| A831013   | BT40D63L250  |     | 63     | 250    |       |
| A831014   | BT40D100L200 |     | 100    | 200    |       |

**BT带软柄的切断刀柄**

▼ A831110-A831114 订单号 Order NO.

BT BLANK TOOLHOLDER WITH SOFT SHANK



HRC42

| Order NO. | Type         | ISO | D (mm) | L (mm) | Price |
|-----------|--------------|-----|--------|--------|-------|
| A831110   | BT30D40L160  | 30  | 40     | 160    |       |
| A831111   | BT30D80L150  |     | 80     | 150    |       |
| A831112   | BT40D63L160  | 40  | 63     | 160    |       |
| A831113   | BT40D63L250  |     | 63     | 250    |       |
| A831114   | BT40D100L200 |     | 100    | 200    |       |

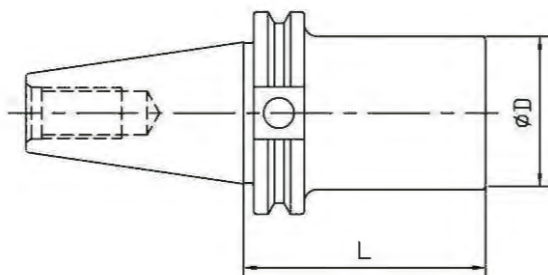




**CAT 带软柄的切断刀柄**

▼ **A841010-A841014** 订单号 Order NO.

CAT BLANK TOOLHOLDER WITH SOFT SHANK



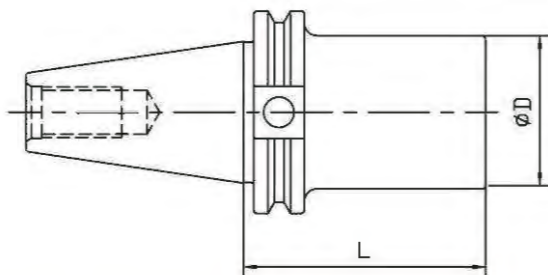
HRC26-28

| Order NO. | Type         | ISO | D (mm) | L (mm) | Price |
|-----------|--------------|-----|--------|--------|-------|
| A841010   | CAT40D40L160 | 40  | 40     | 160    |       |
| A841011   | CAT40D63L160 |     | 63     | 160    |       |
| A841012   | CAT40D63L250 |     | 63     | 250    |       |
| A841013   | CAT50D80L160 | 50  | 80     | 160    |       |
| A841014   | CAT50D80K200 |     | 80     | 200    |       |
| A841015   | CAT50D80L300 |     | 80     | 300    |       |

**CAT 带软柄的切断刀柄**

▼ **A841110-A841114** 订单号 Order NO.

CAT BLANK TOOLHOLDER WITH SOFT SHANK



HRC42

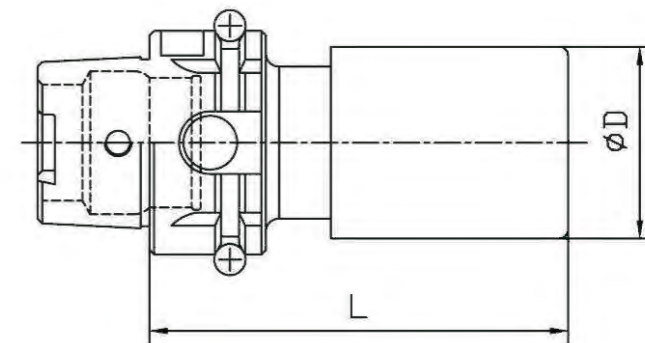
| Order NO. | Type         | ISO | D (mm) | L (mm) | Price |
|-----------|--------------|-----|--------|--------|-------|
| A841110   | CAT40D40L160 | 40  | 40     | 160    |       |
| A841111   | CAT40D63L160 |     | 63     | 160    |       |
| A841112   | CAT40D63L250 |     | 63     | 250    |       |
| A841113   | CAT50D80L160 | 50  | 80     | 160    |       |
| A841114   | CAT50D80K200 |     | 80     | 200    |       |
| A841115   | CAT50D80L300 |     | 80     | 300    |       |



**HSK 带软柄的切断刀柄**

▼ **A851010A851014** 订单号 Order NO.

HSK BLANK TOOLHOLDER WITH SOFT SHANK



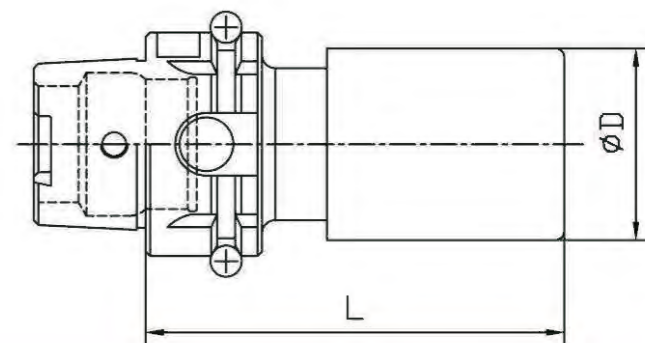
HRC26-28

| Order NO. | Type          | HSK | D (mm) | L (mm) | Price |
|-----------|---------------|-----|--------|--------|-------|
| A851010   | HSK60D63L160  | 63  | 63     | 160    |       |
| A851011   | HSK63D63L250  |     | 63     | 250    |       |
| A851012   | HSK63D80L160  |     | 63     | 160    |       |
| A851013   | HSK63D80L250  |     | 63     | 250    |       |
| A851014   | HSK63D100L250 |     | 100    | 250    |       |

**HSK 带软柄的切断刀柄**

▼ **A851110-A851114** 订单号 Order NO.

HSK BLANK TOOLHOLDER WITH SOFT SHANK



HRC42

| Order NO. | Type          | HSK | D (mm) | L (mm) | Price |
|-----------|---------------|-----|--------|--------|-------|
| A851110   | HSK60D63L160  | 63  | 63     | 160    |       |
| A851111   | HSK63D63L250  |     | 63     | 250    |       |
| A851112   | HSK63D80L160  |     | 63     | 160    |       |
| A851113   | HSK63D80L250  |     | 63     | 250    |       |
| A851114   | HSK63D100L250 |     | 100    | 250    |       |





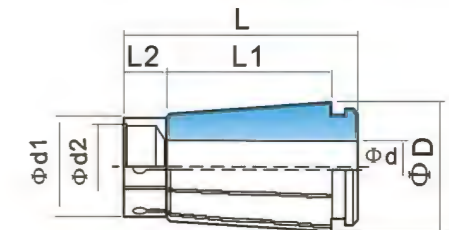
# 夹头生产线 Chuck production line



SK 筒夹

▼ A861010-A861416 订单号 Order NO.

SK COLLET



订购例 Order example

SK10-6

SK10-6AA

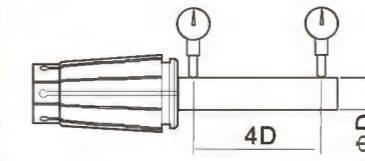
SK10-6P

AA:精密级 (PRECISION)

P超精密级 (ULTRA PRECISION)

| Order No. | Model  | Type     | Range    | Price |
|-----------|--------|----------|----------|-------|
| A861010   |        | SK6-2.0  | 2.0~1.75 |       |
| A861011   |        | SK6-2.25 | 2.25~2.0 |       |
| A861012   |        | SK6-2.5  | 2.5~2.25 |       |
| A861013   |        | SK6-2.75 | 2.75~2.5 |       |
| A861014   |        | SK6-3.0  | 3.0~2.75 |       |
| A861015   | SK6-AA | SK6-3.5  | 3.5~3.1  |       |
| A861016   | SK6-P  | SK6-4.0  | 4.0~3.6  |       |
| A861017   |        | SK6-4.5  | 4.5~4.1  |       |
| A861018   |        | SK6-5.0  | 5.0~4.6  |       |
| A861019   |        | SK6-5.5  | 5.5~5.1  |       |
| A861020   |        | SK6-6.0  | 6.0~5.6  |       |

| 偏摆精度<br>Run out accuracy | P精密级 Precision |
|--------------------------|----------------|
|                          | 5μ             |



| Model | D    | d1   | d2   | L  | L1   | L2  |
|-------|------|------|------|----|------|-----|
| SK6   | 10.5 | 7.5  | 5.8  | 25 | 17   | 4   |
| SK10  | 15.6 | 11.8 | 10   | 30 | 21.3 | 5   |
| SK16  | 24.6 | 18.8 | 16   | 45 | 32   | 8   |
| SK25  | 35.6 | 28.8 | 25.4 | 57 | 43   | 8.5 |

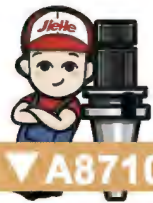
| Order No. | Model   | Type      | Range    | Price |
|-----------|---------|-----------|----------|-------|
| A861110   |         | SK10-2.0  | 2.0~1.75 |       |
| A861111   |         | SK10-2.25 | 2.25~2.0 |       |
| A861112   |         | SK10-2.5  | 2.5~2.25 |       |
| A861113   |         | SK10-2.75 | 2.75~2.5 |       |
| A861114   |         | SK10-3.0  | 3.0~2.75 |       |
| A861115   |         | SK10-3.5  | 3.5~3.1  |       |
| A861116   |         | SK10-4.0  | 4.0~3.6  |       |
| A861117   |         | SK10-4.5  | 4.5~4.1  |       |
| A861118   | SK10    | SK10-5.0  | 5.0~4.6  |       |
| A861119   | SK10-AA | SK10-5.5  | 5.5~5.1  |       |
| A861120   | SK10-P  | SK10-6.0  | 6.0~5.6  |       |
| A861121   |         | SK10-6.5  | 6.5~6.1  |       |
| A861122   |         | SK10-7.0  | 7.0~6.6  |       |
| A861123   |         | SK10-7.5  | 7.5~7.1  |       |
| A861124   |         | SK10-8.0  | 8.0~7.6  |       |
| A861125   |         | SK10-8.5  | 8.5~8.1  |       |
| A861126   |         | SK10-9.0  | 9.0~8.6  |       |
| A861127   |         | SK10-9.5  | 9.5~9.1  |       |
| A861128   |         | SK10-10.0 | 10.0~9.6 |       |

| Order No. | Model   | Type      | Range     | Price |
|-----------|---------|-----------|-----------|-------|
| A861310   |         | SK20-3.0  | 3.0~2.75  |       |
| A861311   |         | SK20-4.0  | 4.0~3.5   |       |
| A861312   |         | SK20-5.0  | 5.0~4.5   |       |
| A861313   | SK20    | SK20-6.0  | 6.0~5.5   |       |
| A861314   | SK20-AA | SK20-8.0  | 8.0~7.5   |       |
| A861315   | SK20-P  | SK20-10.0 | 10.0~9.5  |       |
| A861316   |         | SK20-12.0 | 12.0~11.5 |       |
| A861317   |         | SK20-16.0 | 16.0~15.5 |       |
| A861318   |         | SK20-20.0 | 20.0~19.5 |       |

| Order No. | Model   | Type      | Range     | Price |
|-----------|---------|-----------|-----------|-------|
| A861410   |         | SK25-6.0  | 6.0~5.5   |       |
| A861411   |         | SK25-8.0  | 8.0~7.5   |       |
| A861412   | SK25    | SK25-10.0 | 10.0~9.5  |       |
| A861413   | SK25-AA | SK25-12.0 | 12.0~11.5 |       |
| A861414   | SK25-P  | SK25-16.0 | 16.0~15.5 |       |
| A861415   |         | SK25-20.0 | 20.0~19.5 |       |
| A861416   |         | SK25-25.0 | 25.0~24.5 |       |

| Order No. | Model   | Type      | Range     | Price |
|-----------|---------|-----------|-----------|-------|
| A861210   |         | SK16-3.0  | 3.0~2.75  |       |
| A861211   |         | SK16-3.5  | 3.5~3.1   |       |
| A861212   |         | SK16-4.0  | 4.0~3.6   |       |
| A861213   |         | SK16-4.5  | 4.5~4.1   |       |
| A861214   |         | SK16-5.0  | 5.0~4.6   |       |
| A861215   |         | SK16-5.5  | 5.5~5.1   |       |
| A861216   |         | SK16-6.0  | 6.0~5.6   |       |
| A861217   |         | SK16-6.5  | 6.5~6.1   |       |
| A861218   |         | SK16-7.0  | 7.0~6.6   |       |
| A861219   |         | SK16-7.5  | 7.5~7.1   |       |
| A861220   |         | SK16-8.0  | 8.0~7.6   |       |
| A861221   |         | SK16-8.5  | 8.5~8.1   |       |
| A861222   | SK16    | SK16-9.0  | 9.0~8.6   |       |
| A861223   | SK16-AA | SK16-9.5  | 9.5~9.1   |       |
| A861224   | SK16-P  | SK16-10.0 | 10.0~9.6  |       |
| A861225   |         | SK16-10.5 | 10.5~10.1 |       |
| A861226   |         | SK16-11.0 | 11.0~10.6 |       |
| A861227   |         | SK16-11.5 | 11.5~11.1 |       |
| A861228   |         | SK16-12.0 | 12.0~11.6 |       |
| A861229   |         | SK16-12.5 | 12.5~12.1 |       |
| A861230   |         | SK16-13.0 | 13.0~12.6 |       |
| A861231   |         | SK16-13.5 | 13.5~13.1 |       |
| A861232   |         | SK16-14.0 | 14.0~13.6 |       |
| A861233   |         | SK16-14.5 | 14.5~14.1 |       |
| A861234   |         | SK16-15.0 | 15.0~14.6 |       |
| A861235   |         | SK16-15.5 | 15.5~15.1 |       |
| A861236   |         | SK16-16.0 | 16.0~15.6 |       |





ER弹性筒夹

▼A871010-A871795 订单号 Order NO.

ER SPRING COLLET

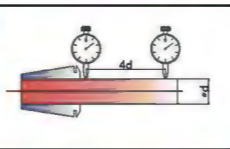


**B型特点:**  
通过对夹阻缝隙的倒角处理,减少因磨削加工生产的微小毛刺对产品精度的影响,同时增加产品耐磨性,产品外观更圆润。  
**Type B features:** By chamfering the slot of the collet Reduce the effect of micro burr on precision in grinding and cutting,while increasing the wear resistance of the product,The product has a more rounded appearance.

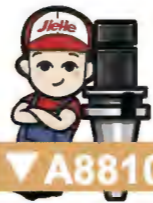
| Type   | ER8 | ER11 | ER16 | ER20 | ER25 | ER32 | ER40 |    |
|--------|-----|------|------|------|------|------|------|----|
| Type A | D   | 8.45 | 11.5 | 17   | 21   | 26   | 33   | 41 |
|        | L   | 13.5 | 18   | 27   | 31   | 35   | 40   | 46 |

OPTIONAL CLASS:

| 级别 CLASS | RUN OUT |
|----------|---------|
| AA       | ≤0.005  |
| A        | ≤0.01   |
| G        | ≤0.015  |



| SIZE(mm) | Range | ER-8      |       | ER-11     |       | ER-16     |       | ER-20     |       | ER-25     |       | ER-32     |       | ER-40     |       |
|----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
|          |       | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price |
| 1mm      | 1-0.5 | A871010   |       | A871110   |       | A871210   |       |           |       |           |       |           |       |           |       |
| 2mm      | 2-1   | A871011   |       | A871111   |       | A871211   |       | A871311   |       | A871411   |       |           |       |           |       |
| 3mm      | 3-2   | A871012   |       | A871112   |       | A871212   |       | A871312   |       | A871412   |       | A871512   |       |           |       |
| 4mm      | 4-3   | A871013   |       | A871113   |       | A871213   |       | A871313   |       | A871413   |       | A871513   |       | A871613   |       |
| 5mm      | 5-4   | A871014   |       | A871114   |       | A871214   |       | A871314   |       | A871414   |       | A871514   |       | A871614   |       |
| 6mm      | 6-5   |           |       | A871115   |       | A871215   |       | A871315   |       | A871415   |       | A871515   |       | A871615   |       |
| 7mm      | 7-6   |           |       | A871116   |       | A871216   |       | A871316   |       | A871416   |       | A871516   |       | A871616   |       |
| 8mm      | 8-7   |           |       |           |       | A871217   |       | A871317   |       | A871417   |       | A871517   |       | A871617   |       |
| 9mm      | 9-8   |           |       |           |       | A871218   |       | A871318   |       | A871418   |       | A871518   |       | A871618   |       |
| 10mm     | 10-9  |           |       |           |       | A871219   |       | A871319   |       | A871419   |       | A871519   |       | A871619   |       |
| 11mm     | 11-10 |           |       |           |       |           |       | A871320   |       | A871420   |       | A871520   |       | A871620   |       |
| 12mm     | 12-11 |           |       |           |       |           |       | A871321   |       | A871421   |       | A871521   |       | A871621   |       |
| 13mm     | 13-12 |           |       |           |       |           |       | A871422   |       | A871522   |       | A871622   |       |           |       |
| 14mm     | 14-13 |           |       |           |       |           |       | A871423   |       | A871523   |       | A871623   |       |           |       |
| 15mm     | 15-14 |           |       |           |       |           |       | A871424   |       | A871524   |       | A871624   |       |           |       |
| 16mm     | 16-15 |           |       |           |       |           |       | A871425   |       | A871525   |       | A871625   |       |           |       |
| 17mm     | 17-16 |           |       |           |       |           |       |           |       | A871526   |       | A871626   |       |           |       |
| 18mm     | 18-17 |           |       |           |       |           |       |           |       | A871527   |       | A871627   |       |           |       |
| 19mm     | 19-18 |           |       |           |       |           |       |           |       | A871528   |       | A871628   |       |           |       |
| 20mm     | 20-19 |           |       |           |       |           |       |           |       | A871529   |       | A871629   |       |           |       |
| 21mm     | 21-20 |           |       |           |       |           |       |           |       |           |       | A871790   |       |           |       |
| 22mm     | 22-21 |           |       |           |       |           |       |           |       |           |       | A871791   |       |           |       |
| 23mm     | 23-22 |           |       |           |       |           |       |           |       |           |       | A871792   |       |           |       |
| 24mm     | 24-23 |           |       |           |       |           |       |           |       |           |       | A871793   |       |           |       |
| 25mm     | 25-24 |           |       |           |       |           |       |           |       |           |       | A871794   |       |           |       |
| 26mm     | 26-25 |           |       |           |       |           |       |           |       |           |       | A871795   |       |           |       |



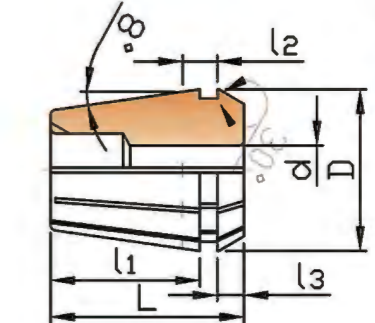
ER弹性筒夹

▼A881010-A881641 订单号 Order NO.

ER SPRING COLLET



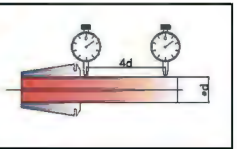
**B型特点:**  
通过对夹阻缝隙的倒角处理,减少因磨削加工生产的微小毛刺对产品精度的影响,同时增加产品耐磨性,产品外观更圆润。  
**Type B features:** By chamfering the slot of the collet Reduce the effect of micro burr on precision in grinding and cutting,while increasing the wear resistance of the product,The product has a more rounded appearance.



| Type   | ER8 | ER11 | ER16 | ER20 | ER25 | ER32 | ER40 |    |
|--------|-----|------|------|------|------|------|------|----|
| Type A | D   | 8.45 | 11.5 | 17   | 21   | 26   | 33   | 41 |
|        | L   | 13.5 | 18   | 27   | 31   | 35   | 40   | 46 |

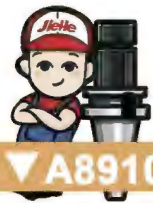
OPTIONAL CLASS:

| 级别 CLASS | RUN OUT |
|----------|---------|
| AA       | ≤0.005  |
| A        | ≤0.01   |
| G        | ≤0.015  |



| SIZE(in) | Range      | ER-8      |       | ER-11     |       | ER-16     |       | ER-20     |       | ER-25     |       | ER-32     |       | ER-40     |       |
|----------|------------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
|          |            | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price |
| 1/32     | .031-.016  | A881010   |       | A881110   |       | A881210   |       |           |       |           |       |           |       |           |       |
| 1/16     | .062-.043  | A881011   |       | A881111   |       | A881211   |       | A881311   |       | A881411   |       |           |       |           |       |
| 3/32     | .093-.054  | A881012   |       | A881112   |       | A881212   |       | A881312   |       | A881412   |       | A881512   |       |           |       |
| 1/8      | .125-.086  | A881013   |       | A881113   |       | A881213   |       | A881313   |       | A881413   |       | A881513   |       | A881613   |       |
| 5/32     | .156-.117  | A881014   |       | A881114   |       | A881214   |       | A881314   |       | A881414   |       | A881514   |       | A881614   |       |
| 3/16     | .187-.148  | A881015   |       | A881115   |       | A881215   |       | A881315   |       | A881415   |       | A881515   |       | A881615   |       |
| 7/32     | .218-.179  |           |       | A881116   |       | A881216   |       | A881316   |       | A881416   |       | A881516   |       | A881616   |       |
| 1/4      | .250-.211  |           |       | A881117   |       | A881217   |       | A881317   |       | A881417   |       | A881517   |       | A881617   |       |
| 9/32     | .281-.242  |           |       | A881118   |       | A881218   |       | A881318   |       | A881418   |       | A881518   |       | A881618   |       |
| 5/16     | .312-.273  |           |       |           |       | A881219   |       | A881319   |       | A881419   |       | A881519   |       | A881619   |       |
| 11/32    | .343-.304  |           |       |           |       | A881220   |       | A881320   |       | A881420   |       | A881520   |       | A881620   |       |
| 3/8      | .375-.336  |           |       |           |       | A881221   |       | A881321   |       | A881421   |       | A881521   |       | A881621   |       |
| 13/32    | .406-.367  |           |       |           |       |           |       | A881322   |       | A881422   |       | A881522   |       | A881622   |       |
| 7/16     | .437-.398  |           |       |           |       |           |       | A881323   |       | A881423   |       | A881523   |       | A881623   |       |
| 15/32    | .468-.429  |           |       |           |       |           |       | A881324   |       | A881424   |       | A881524   |       | A881624   |       |
| 1/2      | .500-.461  |           |       |           |       |           |       | A881325   |       | A881425   |       | A881525   |       | A881625   |       |
| 17/32    | .531-.492  |           |       |           |       |           |       |           |       | A881426   |       | A881526   |       | A881626   |       |
| 9/16     | .562-.523  |           |       |           |       |           |       |           |       | A881427   |       | A881527   |       | A881627   |       |
| 19/32    | .593-.554  |           |       |           |       |           |       |           |       | A881428   |       | A881528   |       | A881628   |       |
| 5/8      | .625-.586  |           |       |           |       |           |       |           |       | A881429   |       | A881529   |       | A881629   |       |
| 21/32    | .656-.617  |           |       |           |       |           |       |           |       |           |       | A881530   |       | A881630   |       |
| 11/16    | .687-.648  |           |       |           |       |           |       |           |       |           |       | A881531   |       | A881631   |       |
| 23/32    | .718-.679  |           |       |           |       |           |       |           |       |           |       | A881532   |       | A881632   |       |
| 3/4      | .750-.711  |           |       |           |       |           |       |           |       |           |       | A881533   |       | A881633   |       |
| 25/32    | .781-.742  |           |       |           |       |           |       |           |       |           |       |           |       | A881634   |       |
| 13/16    | .812-.773  |           |       |           |       |           |       |           |       |           |       |           |       | A881635   |       |
| 27/32    | .843-.804  |           |       |           |       |           |       |           |       |           |       |           |       | A881636   |       |
| 7/8      | .875-.836  |           |       |           |       |           |       |           |       |           |       |           |       | A881637   |       |
| 29/32    | .906-.867  |           |       |           |       |           |       |           |       |           |       |           |       | A881638   |       |
| 15/16    | .937-.898  |           |       |           |       |           |       |           |       |           |       |           |       | A881639   |       |
| 31/32    | .969-.930  |           |       |           |       |           |       |           |       |           |       |           |       | A881640   |       |
| 1        | 1.000-.961 |           |       |           |       |           |       |           |       |           |       |           |       | A881641   |       |

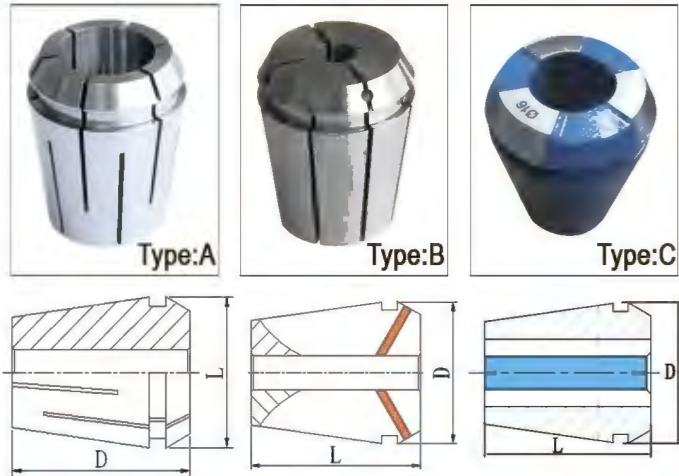
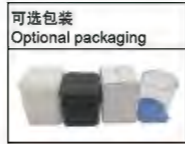




ER止水筒夹

▼A891010-A891435 订单号 Order NO.

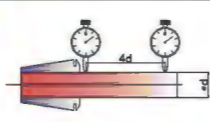
ER COOLANT COLLET



- 利用沟槽的差异，以及垫圈的应用，达到周围止水，仅中心出水的功能
- 适合夹持出水孔的刀具
- 可承受水压达7Mpa
- Take use of the difference of flute and use of sealed ring to attain surrounding coolant and provide center as water outlet
- Useful to chuck cutting tools with water outlet
- Can bear the water pressure up to 7Mpa

OPTIONAL CLASS:

| 级别CLASS | RUN OUT |
|---------|---------|
| AA      | ≤0.005  |
| A       | ≤0.01   |
| G       | ≤0.015  |



| Type   |   | ER16 | ER20 | ER25 | ER32 | ER40 |
|--------|---|------|------|------|------|------|
| Type A | D | 17   | 21   | 26   | 33   | 41   |
|        | L | 27.5 | 31.5 | 34   | 40   | 48   |
| Type B | D | 17   | 21   | 26   | 33   | 41   |
|        | L | 27.5 | 31.5 | 34   | 40   | 48   |
| Type C | D | 17   | 21   | 26   | 33   | 41   |
|        | L | 27.5 | 31.5 | 34   | 40   | 48   |

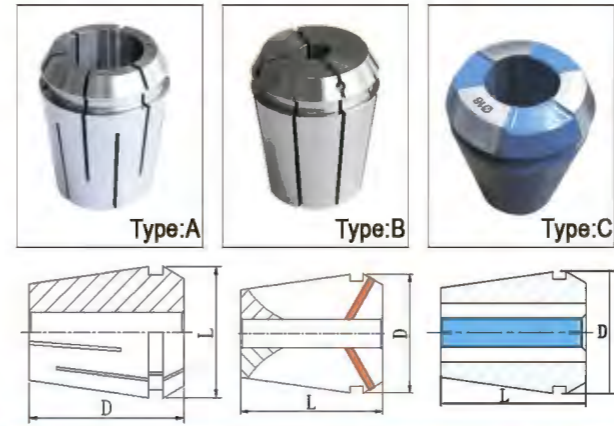
| SIZE(mm) | Range | ER-16     |       | ER-20     |       | ER-25     |       | ER-32     |       | ER-40     |       |
|----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
|          |       | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price |
| 1mm      | 1-0.5 | A891010   |       |           |       |           |       |           |       |           |       |
| 2mm      | 2-1   | A891011   |       | A891111   |       | A891211   |       |           |       |           |       |
| 3mm      | 3-2   | A891012   |       | A891112   |       | A891212   |       | A891312   |       |           |       |
| 4mm      | 4-3   | A891013   |       | A891113   |       | A891213   |       | A891313   |       | A891413   |       |
| 5mm      | 5-4   | A891014   |       | A891114   |       | A891214   |       | A891314   |       | A891414   |       |
| 6mm      | 6-5   | A891015   |       | A891115   |       | A891215   |       | A891315   |       | A891415   |       |
| 7mm      | 7-6   | A891016   |       | A891116   |       | A891216   |       | A891316   |       | A891416   |       |
| 8mm      | 8-7   | A891017   |       | A891117   |       | A891217   |       | A891317   |       | A891417   |       |
| 9mm      | 9-8   | A891018   |       | A891118   |       | A891218   |       | A891318   |       | A891418   |       |
| 10mm     | 10-9  | A891019   |       | A891119   |       | A891219   |       | A891319   |       | A891419   |       |
| 11mm     | 11-10 |           |       | A891120   |       | A891220   |       | A891320   |       | A891420   |       |
| 12mm     | 12-11 |           |       | A891121   |       | A891221   |       | A891321   |       | A891421   |       |
| 13mm     | 13-12 |           |       | A891122   |       | A891222   |       | A891322   |       | A891422   |       |
| 14mm     | 14-13 |           |       |           |       | A891223   |       | A891323   |       | A891423   |       |
| 15mm     | 15-14 |           |       |           |       | A891224   |       | A891324   |       | A891424   |       |
| 16mm     | 16-15 |           |       |           |       | A891225   |       | A891325   |       | A891425   |       |
| 17mm     | 17-16 |           |       |           |       |           |       | A891326   |       | A891426   |       |
| 18mm     | 18-17 |           |       |           |       |           |       | A891327   |       | A891427   |       |
| 19mm     | 19-18 |           |       |           |       |           |       | A891328   |       | A891428   |       |
| 20mm     | 20-19 |           |       |           |       |           |       | A891329   |       | A891429   |       |
| 21mm     | 21-20 |           |       |           |       |           |       |           |       | A891430   |       |
| 22mm     | 22-21 |           |       |           |       |           |       |           |       | A891431   |       |
| 23mm     | 23-22 |           |       |           |       |           |       |           |       | A891432   |       |
| 24mm     | 24-23 |           |       |           |       |           |       |           |       | A891433   |       |
| 25mm     | 25-24 |           |       |           |       |           |       |           |       | A891434   |       |
| 26mm     | 26-25 |           |       |           |       |           |       |           |       | A891435   |       |



ER止水筒夹

▼A901010-A901441 订单号 Order NO.

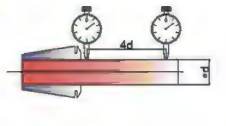
ER COOLANT COLLET



- 利用沟槽的差异，以及垫圈的应用，达到周围止水，仅中心出水的功能
- 适合夹持出水孔的刀具
- 可承受水压达7Mpa
- Take use of the difference of flute and use of sealed ring to attain surrounding coolant and provide center as water outlet
- Useful to chuck cutting tools with water outlet
- Can bear the water pressure up to 7Mpa

OPTIONAL CLASS:

| 级别CLASS | RUN OUT |
|---------|---------|
| AA      | ≤0.005  |
| A       | ≤0.01   |
| G       | ≤0.015  |



| Type   |   | ER16 | ER20 | ER25 | ER32 | ER40 |
|--------|---|------|------|------|------|------|
| Type A | D | 17   | 21   | 26   | 33   | 41   |
|        | L | 27.5 | 31.5 | 34   | 40   | 48   |
| Type B | D | 17   | 21   | 26   | 33   | 41   |
|        | L | 27.5 | 31.5 | 34   | 40   | 48   |
| Type C | D | 17   | 21   | 26   | 33   | 41   |
|        | L | 27.5 | 31.5 | 34   | 40   | 48   |

| SIZE(in) | Range      | ER-16     |       | ER-20     |       | ER-25     |       | ER-32     |       | ER-40     |       |
|----------|------------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
|          |            | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price | Order NO. | Price |
| 1/32     | .031-.016  | A901010   |       |           |       |           |       |           |       |           |       |
| 1/16     | .062-.043  | A901011   |       | A901111   |       | A901211   |       |           |       |           |       |
| 3/32     | .093-.054  | A901012   |       | A901112   |       | A901212   |       | A901312   |       |           |       |
| 1/8      | .125-.086  | A901013   |       | A901113   |       | A901213   |       | A901313   |       | A901413   |       |
| 5/32     | .156-.117  | A901014   |       | A901114   |       | A901214   |       | A901314   |       | A901414   |       |
| 3/16     | .187-.148  | A901015   |       | A901115   |       | A901215   |       | A901315   |       | A901415   |       |
| 7/32     | .218-.179  | A901016   |       | A901116   |       | A901216   |       | A901316   |       | A901416   |       |
| 1/4      | .250-.211  | A901017   |       | A901117   |       | A901217   |       | A901317   |       | A901417   |       |
| 9/32     | .281-.242  | A901018   |       | A901118   |       | A901218   |       | A901318   |       | A901418   |       |
| 5/16     | .312-.273  | A901019   |       | A901119   |       | A901219   |       | A901319   |       | A901419   |       |
| 11/32    | .343-.304  | A901020   |       | A901120   |       | A901220   |       | A901320   |       | A901420   |       |
| 3/8      | .375-.336  | A901021   |       | A901121   |       | A901221   |       | A901321   |       | A901421   |       |
| 13/32    | .406-.367  |           |       | A901122   |       | A901222   |       | A901322   |       | A901422   |       |
| 7/16     | .437-.398  |           |       | A901123   |       | A901223   |       | A901323   |       | A901423   |       |
| 15/32    | .468-.429  |           |       | A901124   |       | A901224   |       | A901324   |       | A901424   |       |
| 1/2      | .500-.461  |           |       | A901125   |       | A901225   |       | A901325   |       | A901425   |       |
| 17/32    | .531-.492  |           |       |           |       | A901226   |       | A901326   |       | A901426   |       |
| 9/16     | .562-.523  |           |       |           |       | A901227   |       | A901327   |       | A901427   |       |
| 19/32    | .593-.554  |           |       |           |       | A901228   |       | A901328   |       | A901428   |       |
| 5/8      | .625-.586  |           |       |           |       | A901229   |       | A901329   |       | A901429   |       |
| 21/32    | .656-.617  |           |       |           |       |           |       | A901330   |       | A901430   |       |
| 11/16    | .687-.648  |           |       |           |       |           |       | A901331   |       | A901431   |       |
| 23/32    | .718-.679  |           |       |           |       |           |       | A901332   |       | A901432   |       |
| 3/4      | .750-.711  |           |       |           |       |           |       | A901333   |       | A901433   |       |
| 25/32    | .781-.742  |           |       |           |       |           |       |           |       | A901434   |       |
| 13/16    | .812-.773  |           |       |           |       |           |       |           |       | A901435   |       |
| 27/32    | .843-.804  |           |       |           |       |           |       |           |       | A901436   |       |
| 7/8      | .875-.836  |           |       |           |       |           |       |           |       | A901437   |       |
| 29/32    | .906-.867  |           |       |           |       |           |       |           |       | A901438   |       |
| 15/16    | .937-.898  |           |       |           |       |           |       |           |       | A901439   |       |
| 31/32    | .969-.930  |           |       |           |       |           |       |           |       | A901440   |       |
| 1        | 1.000-.961 |           |       |           |       |           |       |           |       | A901441   |       |



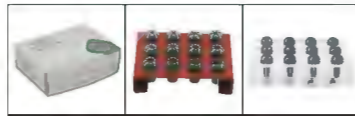


ER弹性筒夹套装

▼ A911010-A911610 订单号 Order NO.

ER SPRING COLLET SET

▼ 可选配OPTIONAL



Paper box



Aluminum box



Plastic box

订货时, 请注明使用哪种包装盒.  
When ordering, Please specify use which case.

| Order No. | Type | collet size dia.   | Pcs/set | Price |
|-----------|------|--|---------|-------|
| A911010   | ER8  | 1+0.5mm(1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5mm)  | 9PCS    |       |
|           |      | 1/16-3/16(1/16, 3/32, 1/8, 5/32, 3/16)   | 5PCS    |       |
| A911110   | ER11 | 1-7mm(1, 2, 3, 4, 5, 6, 7mm)   | 7PCS    |       |
|           |      | 1+0.5-7mm(1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm)   | 13PCS   |       |
|           |      | 1/16-1/4(1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4)   | 7PCS    |       |
| A911210   | ER16 | 1-10mm(1, 2, 3, 4, 5, 6, 7, 8, 9, 10mm)  | 10PCS   |       |
|           |      | 3-10mm(3, 4, 5, 6, 7, 8, 9, 10mm)  | 8PCS    |       |
|           |      | 1/32-3/8(1/32, 1/16, 3/32, 1/8, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8)   | 10PCS   |       |
| A911310   | ER20 | 2-13mm(2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13mm)   | 12PCS   |       |
|           |      | 1/16-1/2(1/16, 3/32, 1/8, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8, 13/32, 7/16, 1/2)   | 12PCS   |       |
| A911410   | ER25 | 2-16mm(2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16mm)   | 15PCS   |       |
| A911510   | ER32 | 1/16_5/8<br>(1/16, 3/32, 1/8, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8, 13/32, 7/16, 1/2, 17/32, 9/16, 5/8)   | 15PCS   |       |
|           |      | 3-20mm(3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20mm)  | 18PCS   |       |
| A911610   | ER40 | 1/16_25/32(1/16, 3/32, 1/8, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8, 13/32, 7/16, 1/2, 17/32, 9/16, 5/8, 21/32, 11/16, 3/4, 25/32)                                 | 18PCS   |       |
| A911610   | ER40 | 4-26mm(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26mm)   | 23PCS   |       |
|           |      | 1/16_1(1/16, 3/32, 1/8, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8, 13/32, 7/16, 1/2, 17/32, 9/16, 5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 27/32, 7/8, 15/16, 31/32, 1) | 23PCS   |       |



ERG攻丝夹头

▼ AC011010-AC011410 订单号 Order NO.

ERG TAP COLLET

可选包装  
Optional packaging

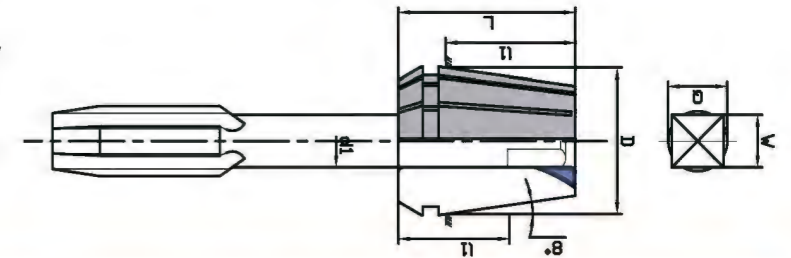


特点:

夹头夹持丝锥稳定不打滑, 应用广泛, 适合各类机械设备, 当订购时需根据所用丝锥方柄圆柄实际尺寸订购, 分别有JIS/DIN/ISO等标准.

Features:

Tap collet clamping tap is stable, no slip, It is widely used and suitable for all kinds of mechanical equipment. When ordering, it should be ordered according to the actual size of the square or round shank of the tap used, which are according to JIS, DIN, ISO and other standards respectively.



| Order NO. | TYPE  | 攻丝范围<br>Capacity | d1<br>Range | L    | D  | l1   | l2 | Price |
|-----------|-------|------------------|-------------|------|----|------|----|-------|
| AC011010  | ERG16 | M3-M10           | 1~7         | 27.5 | 16 | 20.8 | 18 |       |
|           |       |                  | 8~10        |      |    |      | 22 |       |
| AC011110  | ERG20 | M3-M12           | 1~7         | 31.5 | 20 | 23.9 | 18 |       |
|           |       |                  | 8~10        |      |    |      | 22 |       |
|           |       |                  | 10.5~13     |      |    |      | 25 |       |
| AC011210  | ERG25 | M3-M16           | 1~7         | 34   | 25 | 25.9 | 18 |       |
|           |       |                  | 8~10        |      |    |      | 22 |       |
|           |       |                  | 10.5~16     |      |    |      | 25 |       |
| AC011310  | ERG32 | M3-M20           | 1~7         | 40   | 32 | 31.8 | 18 |       |
|           |       |                  | 8~10        |      |    |      | 22 |       |
|           |       |                  | 10.5~16     |      |    |      | 25 |       |
|           |       |                  | 17~20       |      |    |      | 28 |       |
| AC011410  | ERG40 | M3-M26           | 1~7         | 46   | 40 | 35.5 | 18 |       |
|           |       |                  | 8~10        |      |    |      | 22 |       |
|           |       |                  | 10.5~16     |      |    |      | 25 |       |
|           |       |                  | 17~20       |      |    |      | 28 |       |



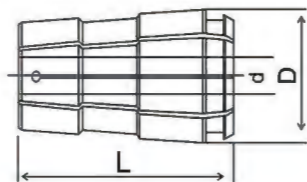




TG弹性筒夹

▼A921010-A921274 订单号 Order NO.

TG COLLETS



| Type  | D    | L    | d      |             |
|-------|------|------|--------|-------------|
|       |      |      | mm     | in          |
| TG75  | 27   | 46.9 | 1~20   | 1/16~25/32  |
| TG100 | 35   | 60.5 | 1.5~25 | 1/16~1      |
| TG150 | 50.8 | 76.2 | 2~40   | 3/32~1-9/16 |

| TG75     |           |       |          |           |       | TG100    |           |       |          |           |       |          |           |       |
|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|
| SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price |
| 1/16"    | A921010   |       | 27/64"   | A921033   |       | 1/16"    | A921110   |       | 27/64"   | A921133   |       | 25/32"   | A921156   |       |
| 5/64"    | A921011   |       | 7/16"    | A921034   |       | 5/64"    | A921111   |       | 7/16"    | A921134   |       | 51/64"   | A921157   |       |
| 3/32"    | A921012   |       | 29/64"   | A921035   |       | 3/32"    | A921112   |       | 29/64"   | A921135   |       | 13/16"   | A921158   |       |
| 7/64"    | A921013   |       | 15/32"   | A921036   |       | 7/64"    | A921113   |       | 15/32"   | A921136   |       | 53/64"   | A921159   |       |
| 1/8"     | A921014   |       | 31/64"   | A921037   |       | 1/8"     | A921114   |       | 31/64"   | A921137   |       | 27/32"   | A921160   |       |
| 9/64"    | A921015   |       | 1/2"     | A921038   |       | 9/64"    | A921115   |       | 1/2"     | A921138   |       | 55/64"   | A921161   |       |
| 5/32"    | A921016   |       | 33/64"   | A921039   |       | 5/32"    | A921116   |       | 33/64"   | A921139   |       | 7/8"     | A921162   |       |
| 11/64"   | A921017   |       | 17/32"   | A921040   |       | 11/64"   | A921117   |       | 17/32"   | A921140   |       | 57/64"   | A921163   |       |
| 3/16"    | A921018   |       | 35/64"   | A921041   |       | 3/16"    | A921118   |       | 35/64"   | A921141   |       | 29/32"   | A921164   |       |
| 13/64"   | A921019   |       | 9/16"    | A921042   |       | 13/64"   | A921119   |       | 9/16"    | A921142   |       | 59/64"   | A921165   |       |
| 7/32"    | A921020   |       | 37/64"   | A921043   |       | 7/32"    | A921120   |       | 37/64"   | A921143   |       | 15/16"   | A921166   |       |
| 15/64"   | A921021   |       | 19/32"   | A921044   |       | 15/64"   | A921121   |       | 19/32"   | A921144   |       | 61/64"   | A921167   |       |
| 1/4"     | A921022   |       | 39/64"   | A921045   |       | 1/4"     | A921122   |       | 39/64"   | A921145   |       | 31/32"   | A921168   |       |
| 17/64"   | A921023   |       | 5/8"     | A921046   |       | 17/64"   | A921123   |       | 5/8"     | A921146   |       | 63/64"   | A921169   |       |
| 9/32"    | A921024   |       | 41/64"   | A921047   |       | 9/32"    | A921124   |       | 41/64"   | A921147   |       | 1"       | A921170   |       |
| 19/64"   | A921025   |       | 21/32"   | A921048   |       | 19/64"   | A921125   |       | 21/32"   | A921148   |       |          |           |       |
| 5/16"    | A921026   |       | 43/64"   | A921049   |       | 5/16"    | A921126   |       | 43/64"   | A921149   |       |          |           |       |
| 21/64"   | A921027   |       | 11/16"   | A921050   |       | 21/64"   | A921127   |       | 11/16"   | A921150   |       |          |           |       |
| 11/32"   | A921028   |       | 45/64"   | A921051   |       | 11/32"   | A921128   |       | 45/64"   | A921151   |       |          |           |       |
| 23/64"   | A921029   |       | 23/64"   | A921052   |       | 23/64"   | A921129   |       | 23/64"   | A921152   |       |          |           |       |
| 3/8"     | A921030   |       | 47/64"   | A921053   |       | 3/8"     | A921130   |       | 47/64"   | A921153   |       |          |           |       |
| 25/64"   | A921031   |       | 3/4"     | A921054   |       | 25/64"   | A921131   |       | 3/4"     | A921154   |       |          |           |       |
| 13/32"   | A921032   |       |          |           |       | 13/32"   | A921132   |       | 49/64"   | A921155   |       |          |           |       |

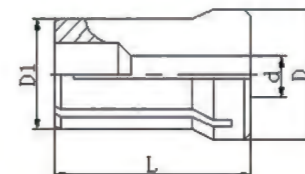
| TG150    |           |       |          |           |       |          |           |       |           |           |       |           |           |       |
|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|
| SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price | SIZE(in)  | Order NO. | Price | SIZE(in)  | Order NO. | Price |
| 1/2"     | A921210   |       | 45/64"   | A921223   |       | 29/32"   | A921236   |       | 1- 7/64"  | A921249   |       | 1- 5/16"  | A921262   |       |
| 33/64"   | A921211   |       | 23/64"   | A921224   |       | 59/64"   | A921237   |       | 1- 1/8"   | A921250   |       | 1- 21/64" | A921263   |       |
| 17/32"   | A921212   |       | 47/64"   | A921225   |       | 15/16"   | A921238   |       | 1- 9/64"  | A921251   |       | 1- 11/32" | A921264   |       |
| 35/64"   | A921213   |       | 3/4"     | A921226   |       | 61/64"   | A921239   |       | 1- 5/32"  | A921252   |       | 1- 23/64" | A921265   |       |
| 9/16"    | A921214   |       | 49/64"   | A921227   |       | 31/32"   | A921240   |       | 1- 11/64" | A921253   |       | 1- 3/8"   | A921266   |       |
| 37/64"   | A921215   |       | 25/32"   | A921228   |       | 63/64"   | A921241   |       | 1- 3/16"  | A921254   |       | 1- 25/64" | A921267   |       |
| 19/32"   | A921216   |       | 51/64"   | A921229   |       | 1"       | A921242   |       | 1- 13/64" | A921255   |       | 1- 13/32" | A921268   |       |
| 39/64"   | A921217   |       | 13/16"   | A921230   |       | 1- 1/64" | A921243   |       | 1- 7/32"  | A921256   |       | 1- 27/64" | A921269   |       |
| 5/8"     | A921218   |       | 53/64"   | A921231   |       | 1- 1/32" | A921244   |       | 1- 15/64" | A921257   |       | 1- 7/16"  | A921270   |       |
| 41/64"   | A921219   |       | 27/32"   | A921232   |       | 1- 3/64" | A921245   |       | 1- 1/4"   | A921258   |       | 1- 29/64" | A921271   |       |
| 21/32"   | A921220   |       | 55/64"   | A921233   |       | 1- 1/16" | A921246   |       | 1- 17/64" | A921259   |       | 1- 15/32" | A921272   |       |
| 43/64"   | A921221   |       | 7/8"     | A921234   |       | 1- 5/64" | A921247   |       | 1- 9/32"  | A921260   |       | 1- 31/64" | A921273   |       |
| 11/16"   | A921222   |       | 57/64"   | A921235   |       | 1- 3/32" | A921248   |       | 1- 19/64" | A921261   |       | 1- 1/2"   | A921274   |       |



DA弹性筒夹

▼A931010-A931155 订单号 Order NO.

DA COLLETS

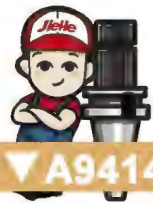


| Type  | D      | D1    | L    | d      |            |
|-------|--------|-------|------|--------|------------|
|       |        |       |      | mm     | in         |
| DA100 | 19.5   | 16.5  | 36.5 | 2~12.5 | 1/16~1/2   |
| DA180 | 26.045 | 22.08 | 41.7 | 2~18   | 1/16~45/64 |
| DA200 | 13.6   | 11.43 | 30.4 | 1~8    | 3/64~5/16  |
| DA300 | 9.5    | 7.62  | 25.4 | 1~6    | 1/32~15/64 |

| DA100    |           |       |          |           |       | DA200    |           |       | DA300    |           |       |
|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|
| SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price |
|          | A931010   |       | 25/64"   | A931032   |       | 3/64"    | A931210   |       | 3/64"    | A931310   |       |
| 1/16"    | A931011   |       | 13/32"   | A931033   |       | 1/16"    | A931211   |       | 1/16"    | A931311   |       |
| 5/64"    | A931012   |       | 27/64"   | A931034   |       | 5/64"    | A931212   |       | 5/64"    | A931312   |       |
| 3/32"    | A931013   |       | 7/16"    | A931035   |       | 3/32"    | A931213   |       | 3/32"    | A931313   |       |
| 7/64"    | A931014   |       | 29/64"   | A931036   |       | 7/64"    | A931214   |       | 7/64"    | A931314   |       |
| 1/8"     | A931015   |       | 15/32"   | A931037   |       | 1/8"     | A931215   |       | 1/8"     | A931315   |       |
| 9/64"    | A931016   |       | 31/64"   | A931038   |       | 9/64"    | A931216   |       | 9/64"    | A931316   |       |
| 5/32"    | A931017   |       | 1/2"     | A931039   |       | 5/32"    | A931217   |       | 5/32"    | A931317   |       |
| 11/64"   | A931018   |       | 33/64"   | A931040   |       | 11/64"   | A931218   |       | 11/64"   | A931318   |       |
| 3/16"    | A931019   |       | 17/32"   | A931041   |       | 3/16"    | A931219   |       | 3/16"    | A931319   |       |
| 13/64"   | A931020   |       | 35/64"   | A931042   |       | 13/64"   | A931220   |       | 13/64"   | A931320   |       |
| 7/32"    | A931021   |       | 9/16"    | A931043   |       | 7/32"    | A931221   |       | 7/32"    | A931321   |       |
| 15/64"   | A931022   |       |          |           |       | 15/64"   | A931222   |       | 15/64"   | A931322   |       |
| 1/4"     | A931023   |       |          |           |       | 1/4"     | A931223   |       | 1/4"     | A931323   |       |
| 17/64"   | A931024   |       |          |           |       | 17/64"   | A931224   |       |          |           |       |
| 9/32"    | A931025   |       |          |           |       | 9/32"    | A931225   |       |          |           |       |
| 19/64"   | A931026   |       |          |           |       | 19/64"   | A931226   |       |          |           |       |
| 5/16"    | A931027   |       |          |           |       | 5/16"    | A931227   |       |          |           |       |
| 21/64"   | A931028   |       |          |           |       | 21/64"   | A931228   |       |          |           |       |
| 11/32"   | A931029   |       |          |           |       | 11/32"   | A931229   |       |          |           |       |
| 23/64"   | A931030   |       |          |           |       | 23/64"   | A931230   |       |          |           |       |
| 3/8"     | A931031   |       |          |           |       | 3/8"     | A931231   |       |          |           |       |

| DA180    |           |       |          |           |       | DA180    |           |       |          |           |       |
|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|
| SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price |
| 3/64"    | A931110   |       | 1/4"     | A931123   |       | 29/64"   | A931136   |       | 21/32"   | A931149   |       |
| 1/16"    | A931111   |       | 17/64"   | A931124   |       | 15/32"   | A931137   |       | 43/64"   | A931150   |       |
| 5/64"    | A931112   |       | 9/32"    | A931125   |       | 31/64"   | A931138   |       | 11/16"   | A931151   |       |
| 3/32"    | A931113   |       | 19/64"   | A931126   |       | 1/2"     | A931139   |       | 45/64"   | A931152   |       |
| 7/64"    | A931114   |       | 5/16"    | A931127   |       | 33/64"   | A931140   |       | 23/64"   | A931153   |       |
| 1/8"     | A931115   |       | 21/64"   | A931128   |       | 17/32"   | A931141   |       | 47/64"   | A931154   |       |
| 9/64"    | A931116   |       | 11/32"   | A931129   |       | 35/64"   | A931142   |       | 3/4"     | A931155   |       |
| 5/32"    | A931117   |       | 23/64"   | A931130   |       | 9/16"    | A931143   |       |          |           |       |
| 11/64"   | A931118   |       | 3/8"     | A931131   |       | 37/64"   | A931144   |       |          |           |       |
| 3/16"    | A931119   |       | 25/64"   | A931132   |       | 19/32"   | A931145   |       |          |           |       |
| 13/64"   | A931120   |       | 13/32"   | A931133   |       | 39/64"   | A931146   |       |          |           |       |
| 7/32"    | A931121   |       | 27/64"   | A931134   |       | 5/8"     | A931147   |       |          |           |       |
| 15/64"   | A931122   |       | 7/16"    | A931135   |       | 41/64"   | A931148   |       |          |           |       |

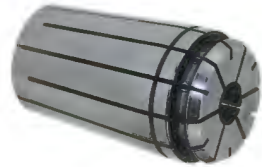




**TG筒夹套装**

▼ **A941410-A941212** 订单号 Order NO.

TG COLLET SETS



- 跳动为0.0004 "T.I.R.
- 精密研磨, 经手检测
- 夹紧范围: 1/64"
- 库存也有公制型号
- RUN OUT:0.0004" T.I.R.
- Precision ground&hand inspected
- Clamping range:1/64"
- Metric sizes in stock

| Order NO. | Type      | Pieces | ID Sizes           | Price |
|-----------|-----------|--------|--------------------|-------|
| A941010   | TG75 SETS | 43     | 1/8"-3/4" by 64ths |       |
| A941011   |           | 22     | 1/8"-3/4" by 32ths |       |
| A941012   |           | 11     | 1/8"-3/4" by 16ths |       |

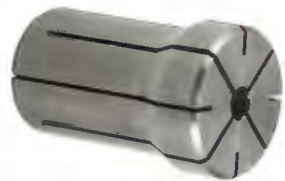
| Order NO. | Type       | Pieces | ID Sizes          | Price |
|-----------|------------|--------|-------------------|-------|
| A941110   | TG100 SETS | 59     | 3/32"-1" by 64ths |       |
| A941111   |            | 41     | 3/8"-1" by 64ths  |       |
| A941112   |            | 30     | 3/32"-1" by 32ths |       |
| A941113   |            | 21     | 3/8"-1" by 32ths  |       |
| A941114   |            | 15     | 1/8"-1" by 16ths  |       |

| Order NO. | Type       | Pieces | ID Sizes             | Price |
|-----------|------------|--------|----------------------|-------|
| A941210   | TG150 SETS | 65     | 1/2"-1 1/2" by 64ths |       |
| A941211   |            | 33     | 1/2"-1 1/2" by 32ths |       |
| A941212   |            | 17     | 1/2"-1 1/2" by 16ths |       |

**DA筒夹套装**

▼ **A941310-A941611** 订单号 Order NO.

DA COLLET SETS



- 跳动为0.0004 "T.I.R.
- 精密研磨, 经手检测
- 夹紧范围: 1/64"
- 快速夹紧, 操作简单
- 库存有公制型号
- RUN OUT:0.0004" T.I.R.
- Precision ground&hand inspected
- Clamping range:1/64"
- Self-release for rapid,easy opration
- Metric sizes in stock

| Order NO. | Type       | Pieces | ID Sizes            | Price |
|-----------|------------|--------|---------------------|-------|
| A941310   | DA100 SETS | 8      | 1/8"-9/16" by 16ths |       |
| A941311   |            | 15     | 1/8"-9/16" by 32ths |       |
| A941312   |            | 21     | 1/4"-9/16" by 64ths |       |
| A941313   |            | 29     | 1/8"-9/16 by 64ths  |       |
| A941314   |            | 33     | 1/16"-9/16 by 64ths |       |
| A941410   | DA180 SETS | 9      | 1/4"-3/4" by 16ths  |       |
| A941411   |            | 17     | 1/4"-3/4" by 32ths  |       |
| A941412   |            | 21     | 1/8"-3/4" by 32ths  |       |
| A941413   |            | 33     | 1/4"-3/4 by 64ths   |       |
| A941414   |            | 41     | 1/8"-3/4 by 64ths   |       |

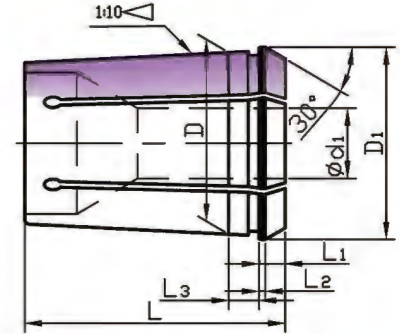
| Order NO. | Type       | Pieces | ID Sizes            | Price |
|-----------|------------|--------|---------------------|-------|
| A941510   | DA200 SETS | 9      | 1/8"-3/8" by 32ths  |       |
| A941511   |            | 17     | 1/8"-3/8" by 64ths  |       |
| A941512   |            | 21     | 1/16"-3/8" by 64ths |       |
| A941610   | DA300 SETS | 7      | 1/16"-1/4" by 32ths |       |
| A941611   |            | 14     | 3/64"-1/4" by 64ths |       |



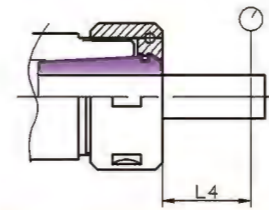
**EOC/OZ筒夹**

▼ **A951010-A951210** 订单号 Order NO.

EOC/OZ COLLETS



精度检测 Inspection of accuracy



| d         | L4 | 径向跳动Run out |       | d          | L4 | 径向跳动Run out |      |
|-----------|----|-------------|-------|------------|----|-------------|------|
|           |    | D           | D1    |            |    | D           | D1   |
| 1.0~1.6   | 6  | 0.01        | 0.015 | <10.0~18.0 | 40 | 0.015       | 0.02 |
| <1.6~3.0  | 10 |             |       | <18.0~24.0 | 50 |             |      |
| <3.0~7.0  | 16 |             |       | <24.0~30.0 | 60 |             |      |
| <7.0~10.0 | 25 |             |       | <30.0~50.0 | 80 | 0.02        | 0.03 |

| Order No. | Type      | D     | D1    | d    | L  | L1  | L2   | L3   | Price |
|-----------|-----------|-------|-------|------|----|-----|------|------|-------|
| A951010   | EOC6A(B)  | 10    | 11.5  | 1-6  | 21 | 3.5 | 0.5  | 4    |       |
| A951011   | EOC8A(B)  | 12.65 | 14.5  | 1-8  | 26 | 4   | 0.8  | 4.5  |       |
| A951012   | EOC10A(B) | 15.15 | 17.2  | 1-10 | 30 | 4.5 | 0.8  | 4.5  |       |
| A951013   | EOC12A(B) | 17.75 | 19.8  | 1-12 | 34 | 5   | 1.1  | 4.5  |       |
| A951014   | EOC16A(B) | 22.65 | 25.5  | 2-16 | 40 | 5.5 | 1.2  | 5.5  |       |
| A951015   | EOC20A(B) | 27.4  | 29.8  | 2-20 | 45 | 6   | 1.35 | 6    |       |
| A951016   | EOC25A(B) | 32.9  | 35.05 | 2-25 | 52 | 6   | 1.4  | 6    |       |
| A951017   | EOC32A(B) | 41.3  | 43.7  | 4-32 | 60 | 6   | 1.45 | 7.00 |       |
| A951018   | EOC40A(B) | 49.7  | 52.2  | 6-40 | 84 | 6   | 1.45 | 8.00 |       |
| A951019   | EOC50A(B) | 61.1  | 63.8  | 8-50 | 80 | 7   | 1.55 | 9.00 |       |

| Order No. | Type | d(mm)                                       | d(inch)   |
|-----------|------|---|---|
| A951110   | OZ25 | 3,4,5,6,7,8,9,10,11,12,13,14,15,16,18,20,25 | 1/8",3/16",1/4",5/16",3/8",7/16",1/2",9/16",5/8",11/16",3/4",13/16",7/8",15/16",1"  |
| A951210   | OZ32 | 6,8,10,12,16,20,25,32                       | 1/4",5/16",3/8",7/16",1/2",9/16",5/8",11/16",3/4",13/16",7/8",15/16",1",11/8",11/4" |

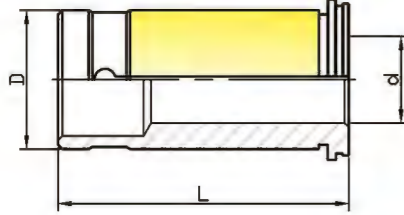




**强力直筒夹**

▼A961010-A961511 订单号 Order NO.

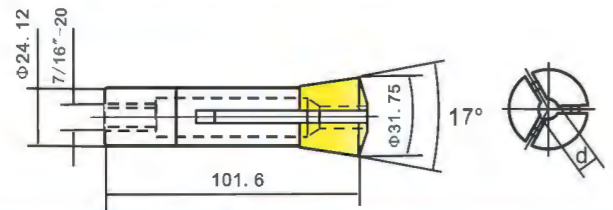
COLLETS



| Order No. | Type | D  | d   | L    | Price |
|-----------|------|----|---|------|-------|
| A961010   | C12  | 12 | 4,5,6,8   | 40   |       |
| A961110   | C16  | 16 | 4,5,6,8,10  | 25   |       |
| A961210   | C20  | 20 | 6,8,10,12,16  | 52.5 |       |
| A961310   | C25  | 25 | 4,5,6,8,10,12,16                                      | 55   |       |
| A961410   | C32  | 32 | 6,8,10,12,16,20,25                                    | 65   |       |
| A961411   | C32  | 32 | 3,4,5,14,18,24,1/8",1/4",5/16",3/8",1/2",5/8",3/4",1" | 65   |       |
| A961510   | C42  | 42 | 6,8,10,12,16,20,25,32                                 | 80   |       |
| A961511   | C42  | 42 | 1/4",5/16",3/8",1/2",5/8",3/4",1"                     | 80   |       |

▼A971010-A971137 订单号 Order NO.

**R8筒夹**  
R8 COLLETS



| Order No. | d   | Price | Order No. | d  | Price | Order No. | d      | Price | Order No. | d      | Price |
|-----------|-----|-------|-----------|----|-------|-----------|--------|-------|-----------|--------|-------|
| A971010   | 1   |       | A971024   | 9  |       | A971110   | 1/32"  |       | A971124   | 15/32" |       |
| A971011   | 1.5 |       | A971025   | 10 |       | A971111   | 1/16"  |       | A971125   | 1/2"   |       |
| A971012   | 2   |       | A971026   | 11 |       | A971112   | 3/32"  |       | A971126   | 17/32" |       |
| A971013   | 2.5 |       | A971027   | 12 |       | A971113   | 1/8"   |       | A971127   | 9/16"  |       |
| A971014   | 3   |       | A971028   | 13 |       | A971114   | 5/32"  |       | A971128   | 19/32" |       |
| A971015   | 3.5 |       | A971029   | 14 |       | A971115   | 3/16"  |       | A971129   | 5/8"   |       |
| A971016   | 4   |       | A971030   | 15 |       | A971116   | 7/32"  |       | A971130   | 21/32" |       |
| A971017   | 4.5 |       | A971031   | 16 |       | A971117   | 1/4"   |       | A971131   | 11/16" |       |
| A971018   | 5   |       | A971032   | 17 |       | A971118   | 9/32"  |       | A971132   | 23/32" |       |
| A971019   | 5.5 |       | A971033   | 18 |       | A971119   | 5/16"  |       | A971133   | 3/4"   |       |
| A971020   | 6   |       | A971034   | 19 |       | A971120   | 11/32" |       | A971134   | 25/32" |       |
| A971021   | 6.5 |       | A971035   | 20 |       | A971121   | 3/8"   |       | A971135   | 13/16" |       |
| A971022   | 7   |       | A971036   | 21 |       | A971122   | 13/32" |       | A971136   | 27/32" |       |
| A971023   | 8   |       | A971037   | 22 |       | A971123   | 7/16"  |       | A971137   | 7/8"   |       |



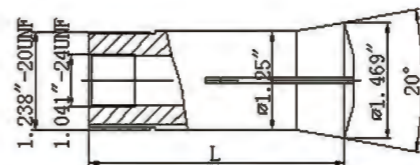
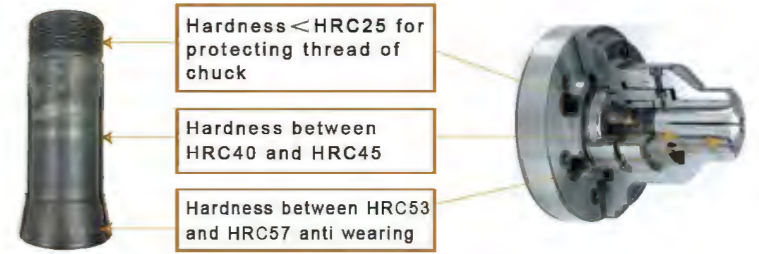
**5C筒夹**

▼A981010-A981080 订单号 Order NO.

5C ROUND COLLET



适用于主轴锥孔为5C的各种车床，如自动车床，数控车床等  
This unit is applicable to all sorts of lathes, which spindle taper hole is 5C, such as automatic lathes, CNC etc.



| L    | L1   | d         | TIR     |
|------|------|-----------|---------|
| 3.28 | 0.25 | 1/32-1/16 | 0.0005" |
|      | 0.5  | >1/16-1/8 |         |
|      | 1    | >1/8-3/8  |         |
|      | 1.5  | >3/8-5/8  |         |
|      | 2    | >5/8-7/8  |         |

| SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price | SIZE(in) | Order NO. | Price |
|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|
| 1/32"    | A981010   |       | 5/16"    | A981028   |       | 19/32"   | A981046   |       | 7/8"     | A981064   |       |
| 3/64"    | A981011   |       | 21/64"   | A981029   |       | 39/64"   | A981047   |       | 57/64"   | A981065   |       |
| 1/16"    | A981012   |       | 11/32"   | A981030   |       | 5/8"     | A981048   |       | 29/32"   | A981066   |       |
| 5/64"    | A981013   |       | 23/64"   | A981031   |       | 41/64"   | A981049   |       | 59/64"   | A981067   |       |
| 3/32"    | A981014   |       | 3/8"     | A981032   |       | 21/32"   | A981050   |       | 15/16"   | A981068   |       |
| 7/64"    | A981015   |       | 25/64"   | A981033   |       | 43/64"   | A981051   |       | 61/64"   | A981069   |       |
| 1/8"     | A981016   |       | 13/32"   | A981034   |       | 11/16"   | A981052   |       | 31/32"   | A981070   |       |
| 9/64"    | A981017   |       | 27/64"   | A981035   |       | 45/64"   | A981053   |       | 63/64"   | A981071   |       |
| 5/32"    | A981018   |       | 7/16"    | A981036   |       | 23/32"   | A981054   |       | 1"       | A981072   |       |
| 11/64"   | A981019   |       | 29/64"   | A981037   |       | 47/64"   | A981055   |       | 1-1/64"  | A981073   |       |
| 3/16"    | A981020   |       | 15/32"   | A981038   |       | 3/4"     | A981056   |       | 1-1/32"  | A981074   |       |
| 13/64"   | A981021   |       | 31/64"   | A981039   |       | 49/64"   | A981057   |       | 1-3/64"  | A981075   |       |
| 7/32"    | A981022   |       | 1/2"     | A981040   |       | 25/32"   | A981058   |       | 1-1/16"  | A981076   |       |
| 15/64"   | A981023   |       | 33/64"   | A981041   |       | 51/64"   | A981059   |       | 1-5/64"  | A981077   |       |
| 1/4"     | A981024   |       | 17/32"   | A981042   |       | 13/16"   | A981060   |       | 1-3/32"  | A981078   |       |
| 17/64"   | A981025   |       | 35/64"   | A981043   |       | 53/64"   | A981061   |       | 1-7/64"  | A981079   |       |
| 9/32"    | A981026   |       | 9/16"    | A981044   |       | 27/32"   | A981062   |       | 1-1/8"   | A981080   |       |
| 19/64"   | A981027   |       | 37/64"   | A981045   |       | 55/64"   | A981063   |       |          |           |       |





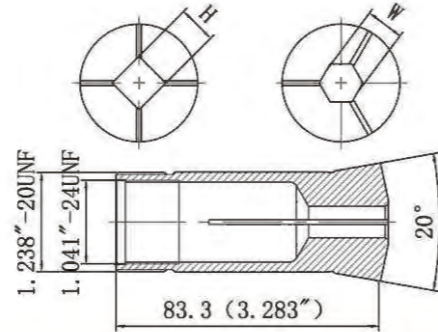
5C方孔筒夹 & 套装

▼A991010-A992023 订单号 Order NO.

5C COLLET & SET



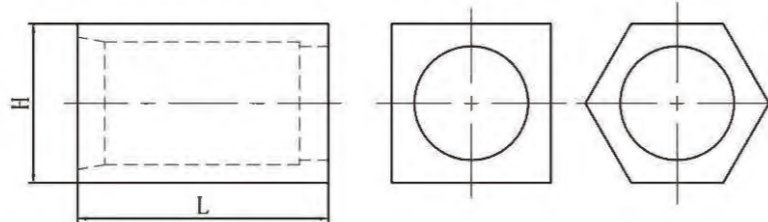
Square & Hex Collet Set



| Order NO. | SQUARE SIZE       | Order NO.                        | SQUARE SIZE | Price | Order NO. | HEX SIZE          | Order NO.                             | HEX SIZE | Price |
|-----------|-------------------|----------------------------------|-------------|-------|-----------|-------------------|---------------------------------------|----------|-------|
| A991010   | 1/8"              | A991017                          | 1/2"        |       | A992010   | 1/8"              | A992017                               | 9/16"    |       |
| A991011   | 3/16"             | A991018                          | 9/16"       |       | A992011   | 3/16"             | A992018                               | 5/8"     |       |
| A991012   | 1/4"              | A991019                          | 5/8"        |       | A992012   | 1/4"              | A992019                               | 11/16"   |       |
| A991013   | 5/16"             | A991020                          | 11/16"      |       | A992013   | 5/16"             | A992020                               | 3/4"     |       |
| A991014   | 3/8"              | A991021                          | 3/4"        |       | A992014   | 3/8"              | A992021                               | 13/16"   |       |
| A991015   | 7/16"             |                                  |             |       | A992015   | 7/16"             | A992022                               | 7/8"     |       |
|           |                   |                                  |             |       | A992016   | 1/2"              |                                       |          |       |
| A991022   | 6Piece Collet Set | 1/4" 5/16" 3/8" 1/2" 5/8" & 3/4" |             |       | A992023   | 7Piece Collet Set | 1/4" 5/16" 3/8" 1/2" 5/8" 3/4" & 7/8" |          |       |

▼A1001010-A1001512 订单号 Order NO.

5C 四六方套  
5C COLLET BLOCK SET



| Order NO. | Type 规格     | Item 明细                                     | L mm/in.   | H mm/in.      | N.W KG/lbs  | Price |
|-----------|-------------|---|------------|---------------|-------------|-------|
| A1001110  | JH2020-5CBS | 夹头四方套<br>Square for 5C colets               | 70<br>2.75 | 44.45<br>1.75 | 1.5<br>3.33 |       |
|           |             | 夹头六方套<br>Hex for 5C colets                  | 70<br>2.75 | 44.45<br>1.75 |             |       |
|           |             | 快速夹紧用手柄<br>Quick acting lever collet closer | 100<br>4   | 43<br>1.69    |             |       |



5C精密圆夹头套装

▼A1011010-A1011017 订单号 Order NO.

5C PRECISION ROUND COLLET SET



产品性能及优点 (Features and Benefits)

- 精度在3d处小于等于0.015mm - 增加刀具寿命。  
T.I.R: ≤0.0005", Extends tool life
- 经过热处理和精密研磨。  
Hardened and precision ground
- Externally Threaded: 1.238" x20  
Internally Threaded: 1.041" x24

| d (inch)  | L(mm) | Run out              |
|-----------|-------|----------------------|
| 1/32-1/16 | 6.35  | ≤0.015mm<br>≤0.0005" |
| 1/16-1/8  | 12.7  |                      |
| 1/8-3/8   | 25.4  |                      |
| 3/8-5/8   | 38.1  |                      |
| 5/8-7/8   | 50.8  |                      |
| 7/8-1-1/8 | 63.5  |                      |

| Order NO. | Type 规格  | Clamping range 夹持范围 | Collet 筒夹  | Price |
|-----------|----------|---------------------|--|-------|
| A1011010  | 5C-8PCS  | 1/8"- 1"            | 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1"   |       |
| A1011011  | 5C-14PCS | 3-25mm              | Φ3, Φ4, Φ5, Φ6, Φ8, Φ10, Φ12, Φ14, Φ15, Φ16, Φ18, Φ20, Φ22, Φ25  |       |
| A1011012  | 5C-15PCS | 1/8"- 1"            | 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"   |       |
| A1011013  | 5C-18PCS | 1/16"- 1-1/8"       | 1/16", 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8"   |       |
| A1011014  | 5C-24PCS | 3-26mm              | Φ3, Φ4, Φ5, Φ6, Φ7, Φ8, Φ9, Φ10, Φ11, Φ12, Φ13, Φ14, Φ15, Φ16, Φ17, Φ18, Φ19, Φ20, Φ21, Φ22, Φ23, Φ24, Φ25, Φ26  |       |
| A1011015  | 5C-29PCS | 3-26mm              | Φ3, Φ4, Φ5, Φ5.5, Φ6, Φ7, Φ8, Φ9, Φ9.5, Φ10, Φ11, Φ12, Φ12.5, Φ13, Φ13.5, Φ14, Φ15, Φ16, Φ17, Φ18, Φ19, Φ20, Φ20.5, Φ21, Φ22, Φ23, Φ24, Φ25, Φ26   |       |
| A1011016  |          | 1/8"- 1"            | 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8", 21/32", 11/16", 23/32", 3/4", 25/32", 13/16", 27/32", 7/8", 29/32", 15/16", 31/32", 1"  |       |
| A1011017  | 5C-57PCS | 1/8"- 1"            | 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 9/32", 19/64", 5/16", 21/64", 11/32", 23/64", 3/8", 25/64", 13/32", 27/64", 7/16", 29/64", 15/32", 31/64", 1/2", 33/64", 17/32", 35/64", 9/16", 37/64", 19/32", 39/64", 5/8", 41/64", 21/32", 43/64", 11/16", 45/64", 23/32", 47/64", 3/4", 49/64", 25/32", 51/64", 13/16", 53/64", 27/32", 55/64", 7/8", 57/64", 29/32", 59/64", 15/16", 61/64", 31/32", 63/64", 1" |       |





R8精密圆夹头套装

▼A1021010-A1021025 订单号 Order NO.

R8 PRECISION ROUND COLLET SET



产品性能及优点 (Features and Benefits)

- 精度在3d处小于等于0.015mm - 增加刀具寿命。  
T. I. R:  $\leq 0.0005''$ , Extends tool life
- 经过热处理和精密研磨。  
Hardened and precision ground
- 后拉螺纹: 7/16" -20  
Internally Threaded: 7/16" -20

| d (inch)  | L(mm) | Run out                                  |
|-----------|-------|--|
| 1/32-1/16 | 6.35  | $\leq 0.015\text{mm}$<br>$\leq 0.0005''$ |
| 1/16-1/8  | 12.7  |  |
| 1/8-3/8   | 25.4  |  |
| 3/8-5/8   | 38.1  |  |
| 5/8-7/8   | 50.8  |  |

| Order NO. | Type 规格  | Clamping range 夹持范围 | Collet 筒夹  | Price |
|-----------|----------|---------------------|--|-------|
| A1021010  | R8-6PCS  | 3-20mm              | Φ3, Φ6, Φ10, Φ12, Φ16, Φ20   |       |
| A1021011  |          | 1/8"- 3/4"          | 1/8", 1/4", 3/8", 1/2", 5/8", 3/4"   |       |
| A1021012  | R8-7PCS  | 3-22mm              | Φ3, Φ6, Φ10, Φ12, Φ16, Φ20, Φ22  |       |
| A1021013  |          | 1/8"- 7/8"          | 1/8", 1/4", 3/8", 1/2", 5/8", 3/4"   |       |
| A1021014  | R8-10PCS | 6-22mm              | Φ6, Φ8, Φ10, Φ11, Φ12, Φ14, Φ16, Φ18, Φ19, Φ20   |       |
| A1021015  |          | 1/4"- 7/8"          | 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8"   |       |
| A1021016  | R8-11PCS | 3-20mm              | Φ3, Φ5, Φ6, Φ8, Φ10, Φ11, Φ12, Φ14, Φ16, Φ18, Φ20  |       |
| A1021017  |          | 1/8"- 3/4"          | 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"   |       |
| A1021018  | R8-13PCS | 3-22mm              | Φ3, Φ5, Φ6, Φ8, Φ10, Φ11, Φ12, Φ14, Φ15, Φ16, Φ18, Φ20, Φ22  |       |
| A1021019  |          | 1/8"-7/8"           | 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"   |       |
| A1021020  | R8-19PCS | 2-20mm              | Φ2, Φ3, Φ4, Φ5, Φ6, Φ7, Φ8, Φ9, Φ10, Φ11, Φ12, Φ13, Φ14, Φ15, Φ16, Φ17, Φ18, Φ19, Φ20  |       |
| A1021021  |          | 3/32"- 3/4"         | 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 17/32", 9/16", 5/8", 21/32", 11/16", 23/32", 3/4"                                       |       |
| A1021022  | R8-23PCS | 1.5-20mm            | Φ1.5, Φ2, Φ3, Φ4, Φ5, Φ5.5, Φ6, Φ7, Φ8, Φ9, Φ9.5, Φ10, Φ11, Φ12, Φ13, Φ13.5, Φ14, Φ15, Φ16, Φ17, Φ18, Φ19, Φ20   |       |
| A1021023  |          | 1/16"- 3/4"         | 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8", 21/32", 11/16", 23/32", 3/4"                |       |
| A1021024  | R8-25PCS | 1.5-22mm            | Φ1.5, Φ2, Φ3, Φ4, Φ5, Φ5.5, Φ6, Φ7, Φ8, Φ9, Φ9.5, Φ10, Φ11, Φ12, Φ13, Φ13.5, Φ14, Φ15, Φ16, Φ17, Φ18, Φ19, Φ20, Φ21, Φ22   |       |
| A1021025  |          | 1/8"- 7/8"          | 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8", 21/32", 11/16", 23/32", 3/4", 25/32", 13/16, 27/32", 7/8" |       |



5C夹具

▼A1031010-A1031015 订单号 Order NO.

5C COLLET CHUCK (PLAIN BACK)



产品性能及优点 (Features and Benefits)

- 精度: 0.015mm, 最大转速6000RPM  
T. I. R: 0.0006" Max. RPM6000
- 经过热处理和精密研磨。  
Hardened and precision ground
- 操作方便, 使用安全, 夹紧牢固等优点  
Easy operation, Safe application, Strong clamping, etc

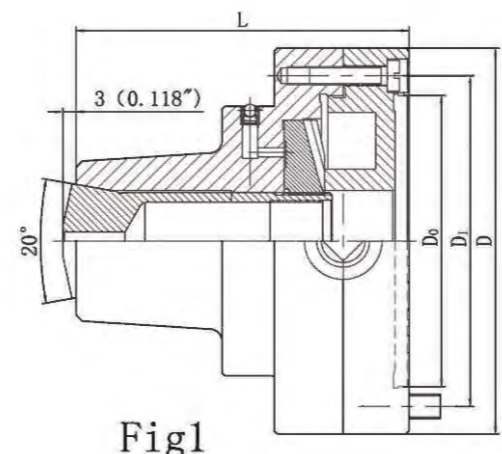


Fig1

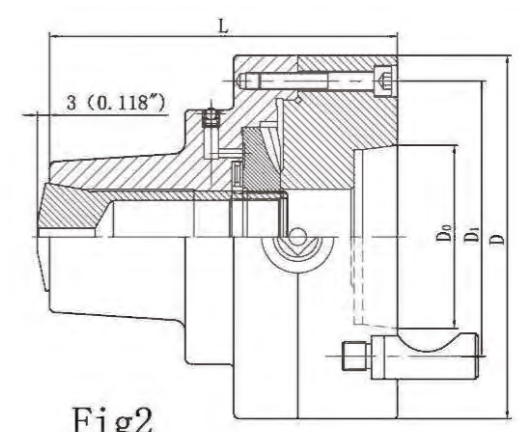


Fig2

| Order NO. | Type 规格   | D mm/in.    | D0 mm/in.        | D1 mm/in.      | L mm/in.       | Clamping range 夹持范围   |                    |                    | Figure 示意图 | Price |
|-----------|-----------|-------------|------------------|----------------|----------------|-----------------------|--------------------|--------------------|------------|-------|
|           |           |             |                  |                |                | 圆孔 Round              | 四方孔 Square         | 六方孔 Hex            |            |       |
| A1031010  | JH2020-5C | 126<br>5    | 95<br>3.74       | 108<br>4.251   | 107<br>4.22    | 1~28mm<br>3/64~1-1/8" | 3~19mm<br>1/8~3/4" | 3~22mm<br>1/8~7/8" | 1          |       |
| A1031011  | JH2020-D3 | 126<br>5    | 53.975<br>2.125  | 70.6<br>2.779  | 120.5<br>4.744 |                       |                    |                    |            |       |
| A1031012  | JH2020-D4 | 126<br>5    | 63.513<br>2.50   | 82.6<br>3.251  | 120.5<br>4.744 |                       |                    |                    |            |       |
| A1031013  | JH2020-D5 | 140<br>5.5  | 82.563<br>3.251  | 104.8<br>4.125 | 143.5<br>5.65  |                       |                    |                    |            |       |
| A1031014  | JH2020-D6 | 165<br>6.5  | 106.375<br>4.188 | 133.4<br>5.252 | 143.5<br>5.65  |                       |                    |                    |            |       |
| A1031015  | JH2020-D8 | 210<br>8.25 | 139.719<br>5.50  | 171.4<br>6.748 | 145.5<br>5.728 |                       |                    |                    |            |       |





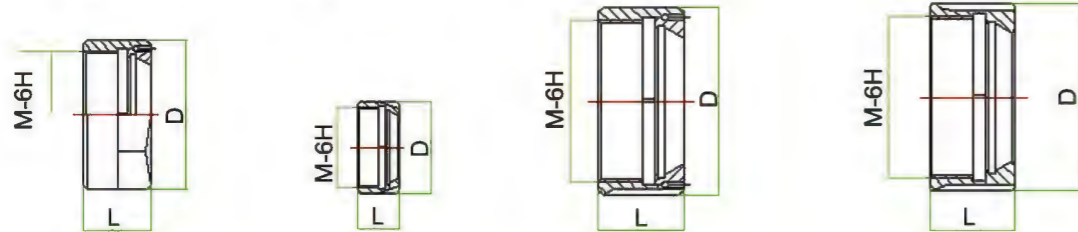
ER压帽

▼A1041010-A1041313 订单号 Order NO.

ER NUTS



Optional Model A, Moder B, and Bearing type



A型

M型

UM型

K型

| Order No. | Model  | D(mm) | L(mm) | M        | N.W. kg | Price |
|-----------|--------|-------|-------|----------|---------|-------|
| A1041010  | ER11-A | 19    | 11.3  | M14×0.75 | 0.015   |       |
| A1041011  | ER16-A | 28    | 17.5  | M22×1.5  | 0.025   |       |
| A1041012  | ER20-A | 34    | 19    | M25×1.5  | 0.045   |       |
| A1041110  | ER8-M  | 12    | 10.8  | M10×0.75 | 0.008   |       |
| A1041111  | ER11-M | 16    | 12    | M13×0.75 | 0.01    |       |
| A1041112  | ER16-M | 22    | 18    | M19×1    | 0.02    |       |
| A1041113  | ER20-M | 28    | 19    | M24×1    | 0.04    |       |
| A1041114  | ER25-M | 35    | 20    | M30×1    | 0.06    |       |
| A1041210  | ER25-U | 42    | 20    | M32×1.5  | 0.1     |       |
| A1041211  | ER32-U | 50    | 22.5  | M40×1.5  | 0.15    |       |
| A1041212  | ER40-U | 63    | 25.5  | M50×1.5  | 0.22    |       |
| A1041213  | ER50-U | 78    | 35.5  | M64×2    | 0.3     |       |
| A1041310  | ER25-K | 42    | 22.5  | M32×1.5  | 0.1     |       |
| A1041311  | ER32-K | 50    | 26    | M40×1.5  | 0.15    |       |
| A1041312  | ER40-K | 63    | 29    | M50×1.5  | 0.22    |       |
| A1041313  | ER50-K | 78    | 40    | M64×2    | 0.3     |       |



GER无风阻压帽

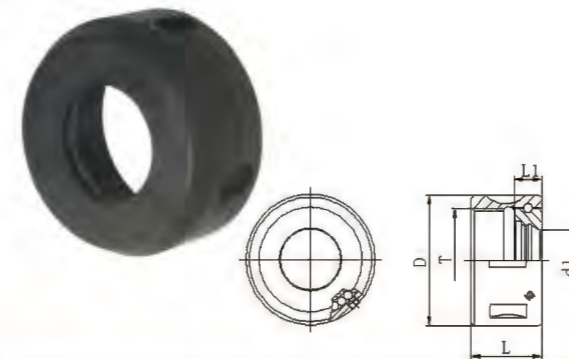
▼A1051010-A1051015 订单号 Order NO.

GER NON WIND RESISTANCE NUT



▼A1061010-A1061012 订单号 Order NO.

TG压帽  
TG NUTS



| Order NO. | TYPE   | D    | L    | T           | L1   | Price |
|-----------|--------|------|------|-------------|------|-------|
| A1061010  | TG-75  | 1.97 | 0.98 | TW1-1/2"-12 | 0.32 |       |
| A1061011  | TG-100 | 2.36 | 1.18 | TW1-7/8"-12 | 0.41 |       |
| A1061012  | TG-150 | 3.23 | 1.38 | TW1-5/8"-12 | 0.41 |       |

▼A1081010-A1081012 订单号 Order NO.

EOC压帽  
EOC NUTS



▼A1071010-A1071014 订单号 Order NO.

SK压帽  
SK NUTS



| Order NO. | TYPE     | D  | G        | Price |
|-----------|----------|----|----------|-------|
| A1071010  | SK6-NUT  | 20 | M15×1.0P |       |
| A1071011  | SK10-NUT | 27 | M22×1.0P |       |
| A1071012  | SK13-NUT | 33 | M28×1.5P |       |
| A1071013  | SK16-NUT | 40 | M32×1.5P |       |
| A1071014  | SK20-NUT | 48 | M40×1.0P |       |
| A1071015  | SK25-NUT | 54 | M45×1.5P |       |

在压帽中设有轴承，锁紧时螺母不会在夹套上磨擦，也不会给予夹套增加扭力，确保精度，延长夹阻与压帽寿命。  
there are bearing, when locking nut, the collet won't friction, and won't increase the torque, to ensure accuracy, prolong life-span for collet and nut

| Order NO. | TYPE  | ΦD | Φd1  | L    | L1   | T       | Price |
|-----------|-------|----|------|------|------|---------|-------|
| A1081010  | EOC16 | 43 | 20.2 | 24   | 9    | M33×1.5 |       |
| A1081011  | EOC25 | 60 | 29.7 | 30   | 10.5 | M48×2   |       |
| A1081012  | EOC32 | 72 | 38.5 | 33.5 | 10.5 | M60×2.5 |       |

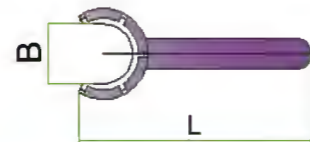




ER扳手

▼ A1091010-A1091313 订单号 Order NO.

ER SPANNER



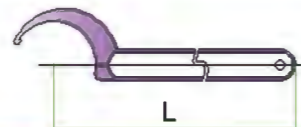
| Order No. | Type     | B   | L   | Clamping Nut | Price |
|-----------|----------|-----|-----|--------------|-------|
| A1091010  | S/ER8-M  | 8   | 70  | ER8-M        |       |
| A1091011  | S/ER11-M | 115 | 90  | ER11-M       |       |
| A1091012  | S/ER16-M | 15  | 110 | ER16-M       |       |



| Order No. | Type      | B  | L   | Clamping Nut   | Price |
|-----------|-----------|----|-----|----------------|-------|
| A1091110  | S/ER25-UM | 37 | 210 | ER25-U ER25-T2 |       |
| A1091111  | S/ER32-UM | 45 | 250 | ER32-U ER32-T2 |       |
| A1091112  | S/ER40-UM | 58 | 290 | ER40-U ER40-T2 |       |
| A1091113  | S/ER50-UM | 72 | 350 | ER50-U ER50-T2 |       |



| Order No. | Type     | B  | L   | Clamping Nut   | Price |
|-----------|----------|----|-----|----------------|-------|
| A1091210  | S/ER 11A | 17 | 117 | ER11-A ER11-T1 |       |
| A1091211  | S/ER 16A | 25 | 135 | ER16-A ER16-T1 |       |
| A1091212  | S/ER 20A | 30 | 175 | ER20-A ER20-T1 |       |



| Order No. | Model    | B   | L     | Clamping Nut   | Price |
|-----------|----------|-----|-------|----------------|-------|
| A1091310  | S/ER25-K | 168 | 38~42 | ER25-K ER25-T2 |       |
| A1091311  | S/ER32-K | 190 | 45~52 | ER32-K ER32-T2 |       |
| A1091312  | S/ER40-K | 210 | 55~63 | ER40-K ER40-T2 |       |
| A1091313  | S/ER50-K | 240 | 78~85 | ER50-K ER50-T2 |       |



ER扳手

▼ A1101010-A1101015 订单号 Order NO.

ER SPANNER



| Order NO. | Type | D  | Price |
|-----------|------|----|-------|
| A1101010  | SK6  | 20 |       |
| A1101011  | SK10 | 27 |       |
| A1101012  | SK13 | 33 |       |
| A1101013  | SK16 | 40 |       |
| A1101014  | SK20 | 48 |       |
| A1101015  | SK25 | 54 |       |

扭矩扳手

▼ A1111010-A1111012 订单号 Order NO.

Torque Wrench



| Order NO. | Type | D  | D1 | Price |
|-----------|------|----|----|-------|
| A1111010  | ER16 | 30 | 3  |       |
| A1111011  | ER25 | 40 | 4  |       |
| A1111012  | ER32 | 50 | 4  |       |

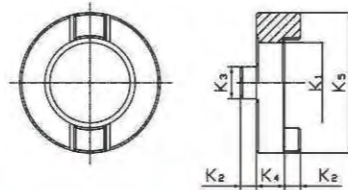




拨环

▼A1121010-A1121016 订单号 Order NO.

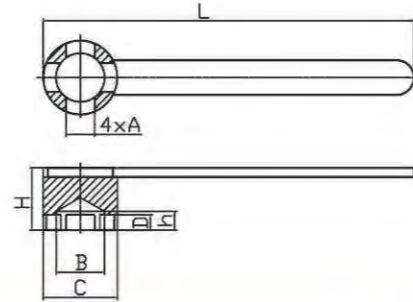
Driver Ring



| Order No. | TYPE  | K1 | K2  | K3 | K4 | K5 | N.W. (KG) | PRICE |
|-----------|-------|----|-----|----|----|----|-----------|-------|
| A1121010  | DR-16 | 16 | 5   | 8  | 10 | 32 | 0.009     |       |
| A1121011  | DR-22 | 22 | 5.6 | 10 | 12 | 40 | 0.01      |       |
| A1121012  | DR-27 | 27 | 6.3 | 12 | 12 | 48 | 0.02      |       |
| A1121013  | DR-32 | 32 | 7   | 14 | 14 | 58 | 0.03      |       |
| A1121014  | DR-40 | 40 | 8   | 16 | 14 | 70 | 0.04      |       |
| A1121015  | DR-50 | 50 | 9   | 18 | 16 | 90 | 0.05      |       |

▼A1121110-A1121115 订单号 Order NO.

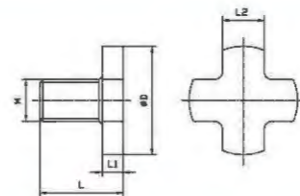
扳手 Spanners



| Order No. | TYPE  | A    | B  | C  | D   | h  | H  | L   | N.W. (KG) | PRICE |
|-----------|-------|------|----|----|-----|----|----|-----|-----------|-------|
| A1121110  | SP-13 | 6.1  | 12 | 18 | 13  | 8  | 21 | 160 | 0.2       |       |
| A1121111  | SP-16 | 8.1  | 15 | 22 | 6.2 | 8  | 25 | 180 | 0.3       |       |
| A1121112  | SP-22 | 10.1 | 18 | 28 | 7.2 | 9  | 31 | 200 | 0.4       |       |
| A1121113  | SP-27 | 12.1 | 22 | 35 | 8.5 | 12 | 40 | 225 | 0.5       |       |
| A1121114  | SP-32 | 16.1 | 28 | 42 | 9.5 | 12 | 44 | 250 | 0.65      |       |
| A1121115  | SP-40 | 20.2 | 35 | 52 | 11  | 13 | 48 | 280 | 0.85      |       |
| A1121116  | SP-50 | 24.2 | 41 | 63 | 13  | 16 | 53 | 315 | 0.95      |       |

▼A1121210-A1121215 订单号 Order NO.

螺栓 Cross Screw



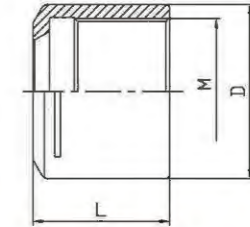
| Order No. | TYPE  | L  | L1 | L2 | D  | M         | N.W. (KG) | PRICE |
|-----------|-------|----|----|----|----|-----------|-----------|-------|
| A1121210  | SC-16 | 22 | 6  | 8  | 20 | M8×1.28P  |           |       |
| A1121211  | SC-22 | 25 | 7  | 10 | 28 | M10×1.5P  |           |       |
| A1121212  | SC-27 | 30 | 8  | 12 | 35 | M12×1.75P |           |       |
| A1121213  | SC-32 | 35 | 9  | 16 | 42 | M16×2.0P  |           |       |
| A1121214  | SC-40 | 40 | 10 | 20 | 52 | M20×2.5P  |           |       |
| A1121215  | SC-50 | 48 | 12 | 24 | 63 | M24×3.0P  |           |       |



MS型ER小径高速压帽

▼A1131010-A1131012 订单号 Order NO.

ER HIGH SPEED NUT with smaller outer diameter

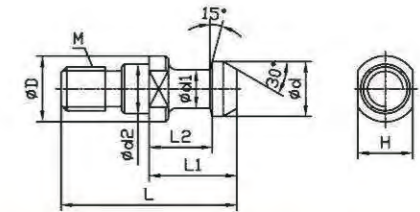


| Order No | Type      | D  | M     | L  | Spanner   | Price |
|----------|-----------|----|-------|----|-----------|-------|
| A1131010 | HN-ER16MS | 22 | M19X1 | 17 | HS-ER16MS |       |
| A1131011 | HN-ER20MS | 28 | M24X1 | 19 | HS-ER20MS |       |
| A1131012 | HN-ER25MS | 35 | M30X1 | 23 | HS-ER25MS |       |

▼A1141010-A1141210 订单号 Order NO.

ISO 拉钉

Pull stud type ISO

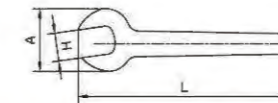


| Order No | Type  | D    | d  | d1 | d2  | L  | L1 | L2   | H  | M        | Price |
|----------|-------|------|----|----|-----|----|----|------|----|----------|-------|
| A1141010 | ISO20 | 11.4 | 9  | 6  | 8.5 | 26 | 12 | 9    | 10 | M8×1.25  |       |
| A1141110 | ISO25 | 12   | 10 | 7  | 9   | 32 | 16 | 11.6 | 10 | M8×1.25  |       |
| A1141210 | ISO30 | 17   | 13 | 9  | 13  | 45 | 24 | 19   | 14 | M12×1.25 |       |

▼A1151010-A1151210 订单号 Order NO.

ISO刀柄扳手

Spanner for ISO tool holder

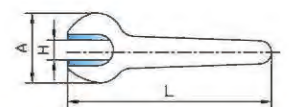


| Order No. | Type     | A  | H  | L   | TOOL HOLDER | Price |
|-----------|----------|----|----|-----|-------------|-------|
| A1151010  | HS-ISO20 | 45 | 24 | 140 | ISO20       |       |
| A1151110  | HS-ISO25 | 55 | 27 | 145 | ISO25       |       |
| A1151210  | HS-ISO30 | 70 | 31 | 210 | ISO30       |       |

▼A1151310-A1151510 订单号 Order NO.

MS型ER螺帽扳手

Spanner for ERMS nut



| Order No. | Type      | A  | H  | L   | NUT    | Price |
|-----------|-----------|----|----|-----|--------|-------|
| A1151310  | HS-ER16MS | 34 | 15 | 135 | ER16MS |       |
| A1151410  | HS-ER20MS | 45 | 18 | 160 | ER20MS |       |
| A1151510  | HS-ER25MS | 60 | 23 | 180 | ER25MS |       |







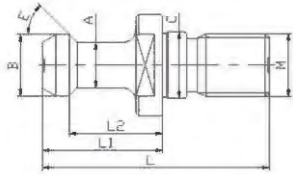
拉钉

▼A1161010-A1161513 订单号 Order NO.

PULL STUDS

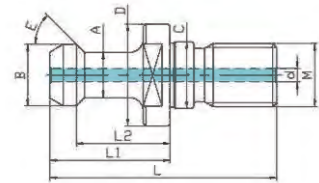


- MAS BT-30, 40, 50



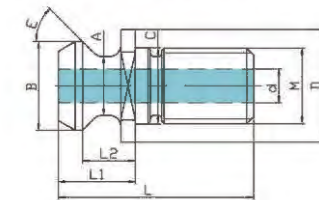
| Order No. | Type     | E° | L  | L1 | L2 | D    | B  | A  | C    | M   | Price |
|-----------|----------|----|----|----|----|------|----|----|------|-----|-------|
| A1161010  | BT30×45° | 45 | 43 | 23 | 18 | 16.5 | 11 | 7  | 12.5 | M12 |       |
| A1161011  | BT30×60° | 60 | 43 | 23 | 18 | 16.5 | 11 | 7  | 12.5 | M12 |       |
| A1161012  | BT30×90° | 90 | 43 | 23 | 18 | 16.5 | 11 | 7  | 12.5 | M12 |       |
| A1161110  | BT40×45° | 45 | 60 | 35 | 28 | 23   | 15 | 10 | 17   | M16 |       |
| A1161111  | BT40×60° | 60 | 60 | 35 | 28 | 23   | 15 | 10 | 17   | M16 |       |
| A1161112  | BT40×90° | 90 | 60 | 35 | 28 | 23   | 15 | 10 | 17   | M16 |       |
| A1161210  | BT50×45° | 45 | 85 | 45 | 35 | 38   | 23 | 17 | 25   | M24 |       |
| A1161211  | BT50×60° | 60 | 85 | 45 | 35 | 38   | 23 | 17 | 25   | M24 |       |
| A1161212  | BT50×90° | 90 | 85 | 45 | 35 | 38   | 23 | 17 | 25   | M24 |       |

- BT With through hole for internal coolant  
BT 通孔给水拉钉



| Order No. | Type     | E° | L  | L1 | L2 | D  | B  | A  | C  | d | M   | Price |
|-----------|----------|----|----|----|----|----|----|----|----|---|-----|-------|
| A1161310  | BT40×45° | 45 | 60 | 35 | 28 | 23 | 15 | 10 | 17 | 4 | M16 |       |
| A1161311  | BT40×60° | 60 | 60 | 35 | 28 | 23 | 15 | 10 | 17 | 4 | M16 |       |
| A1161312  | BT40×90° | 90 | 60 | 35 | 28 | 23 | 15 | 10 | 17 | 4 | M16 |       |
| A1161410  | BT50×45° | 45 | 85 | 45 | 35 | 38 | 23 | 17 | 25 | 7 | M24 |       |
| A1161411  | BT50×60° | 60 | 85 | 45 | 35 | 38 | 23 | 17 | 25 | 7 | M24 |       |
| A1161412  | BT50×90° | 90 | 85 | 45 | 35 | 38 | 23 | 17 | 25 | 7 | M24 |       |

- Mazak Serial Pull Stud  
BT 马扎克系列拉钉



| Order No. | Type       | E° | L    | L1   | L2    | D  | B    | A     | C  | d  | M   | Price |
|-----------|------------|----|------|------|-------|----|------|-------|----|----|-----|-------|
| A1161510  | MAZAK-BT40 | 45 | 44.1 | 19.1 | 14.02 | 22 | 18.8 | 12.5  | 17 | -  | M16 |       |
| A1161511  | MAZAK-BT40 | 45 | 44.1 | 19.1 | 14.02 | 22 | 18.8 | 12.5  | 17 | 7  | M16 |       |
| A1161512  | MAZAK-BT50 | 45 | 65.2 | 25.2 | 17.58 | 37 | 29   | 20.83 | 25 | -  | M24 |       |
| A1161513  | MAZAK-BT50 | 45 | 65.2 | 25.2 | 17.58 | 37 | 29   | 20.83 | 25 | 10 | M24 |       |



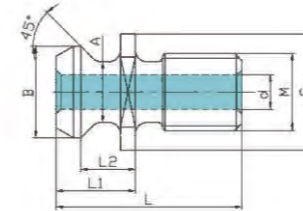
拉钉

▼A1161610-A1161813 订单号 Order NO.

PULL STUDS

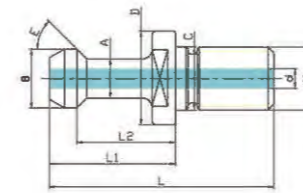


- CAT Pull Stud ASME B5.50-2009  
CAT 拉钉



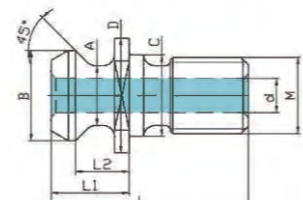
| Order No. | Type      | L   | L1   | L2   | C    | B    | A    | d     | M       | Price |
|-----------|-----------|-----|------|------|------|------|------|-------|---------|-------|
| A1161610  | CAT40×45° | 1.5 | 0.64 | 0.44 | 0.94 | 0.74 | 0.49 | -     | 5/8"-11 |       |
| A1161611  | CAT40×45° | 1.5 | 0.64 | 0.44 | 0.94 | 0.74 | 0.49 | 0.281 | 5/8"-11 |       |
| A1161612  | CAT50×45° | 2.3 | 1    | 0.7  | 1.44 | 1.14 | 0.82 | -     | 1"-8    |       |
| A1161613  | CAT50×45° | 2.3 | 1    | 0.7  | 1.44 | 1.14 | 0.82 | 0.468 | 1"-8    |       |

- MAS-BT > CAT40 Pull Stud  
BT转CAT40双头拉钉



| Order No. | Type         | E  | L     | L1    | L2    | D     | B           | A     | C     | d     | M       | Price |
|-----------|--------------|----|-------|-------|-------|-------|-------------|-------|-------|-------|---------|-------|
| A1161710  | BT-CAT40×45° | 45 | 2.25  | 1.265 | 0.989 | 0.905 | 0.589       | 0.392 | 0.636 | -     | 5/8"-11 |       |
| A1161711  | BT-CAT40×45° | 45 | 2.25  | 1.265 | 0.989 | 0.905 | 0.589       | 0.392 | 0.636 | 4.000 |         |       |
| A1161712  | BT-CAT50×45° | 45 | 3.08  | 1.779 | 1.385 | 1.5   | 0.905       | 0.669 | -     | -     | 1"-8    |       |
| A1161713  | BT-CAT50×45° | 45 | 3.08  | 1.779 | 1.385 | 1.5   | 0.905       | 0.669 | -     | 5.000 |         |       |
| A1161714  | BT-CAT50×45° | 45 | 3.355 | 1.779 | 1.385 | 1.5   | 23<br>0.905 | 0.669 | 1.026 | -     | 1"-8    |       |
| A1161715  | BT-CAT50×45° | 45 | 3.355 | 1.779 | 1.385 | 1.5   | 23<br>0.905 | 0.669 | 1.026 | 5.000 |         |       |

- Mazak Serial Pull Stud  
CAT 马扎克系列拉钉



| Order No. | Type      | L   | L1   | L2   | D    | C     | B    | A    | d     | M       | Price |
|-----------|-----------|-----|------|------|------|-------|------|------|-------|---------|-------|
| A1161810  | CAT40×45° | 1.5 | 0.64 | 0.44 | 0.94 | 0.641 | 0.74 | 0.49 | -     | 5/8"-11 |       |
| A1161811  | CAT40×45° | 1.5 | 0.64 | 0.44 | 0.94 | 0.641 | 0.74 | 0.49 | 0.276 | 5/8"-11 |       |
| A1161812  | CAT50×45° | 2.3 | 1    | 0.7  | 1.44 | 1.031 | 1.14 | 0.82 | -     | 1"-8    |       |
| A1161813  | CAT50×45° | 2.3 | 1    | 0.7  | 1.44 | 1.031 | 1.14 | 0.82 | 0.394 | 1"-8    |       |





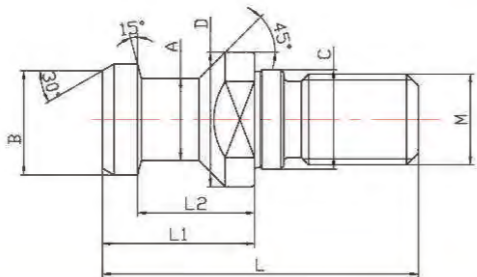


拉钉

▼A1161910-A1162111 订单号 Order NO.

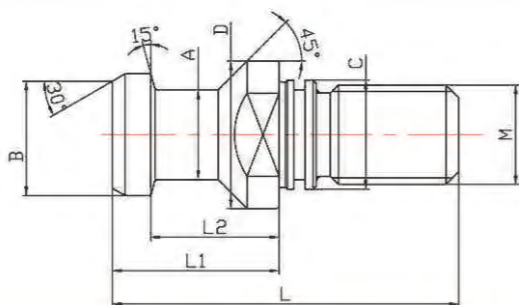
PULL STUDS

- SK PULL STUD DIN 69872 B  
SK 拉钉



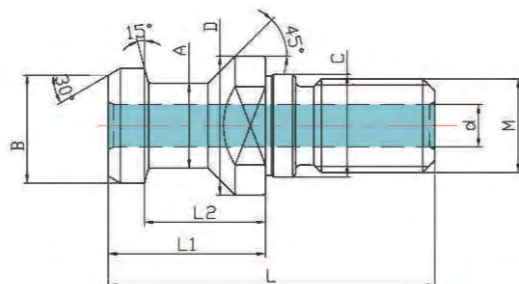
| Order No. | Type | L  | L1 | L2 | D  | B  | A  | C  | M   | Price |
|-----------|------|----|----|----|----|----|----|----|-----|-------|
| A1161910  | SK30 | 44 | 24 | 19 | 17 | 13 | 9  | 13 | M12 |       |
| A1161911  | SK40 | 54 | 26 | 20 | 23 | 19 | 14 | 17 | M16 |       |
| A1161912  | SK50 | 74 | 34 | 25 | 36 | 28 | 21 | 25 | M24 |       |

- SK PULL STUD DIN 69872 B With O'ring  
SK 拉钉带皮圈



| Order No. | Type | L  | L1 | L2 | D  | B  | A  | C  | M   | Price |
|-----------|------|----|----|----|----|----|----|----|-----|-------|
| A1162010  | SK40 | 54 | 26 | 20 | 23 | 19 | 14 | 17 | M16 |       |
| A1162011  | SK50 | 74 | 34 | 25 | 36 | 28 | 21 | 25 | M24 |       |

- SK PULL STUD DIN 69872 A With Coolant  
SK 出水拉钉



| Order No. | Type | L  | L1 | L2 | D  | B  | A  | C  | d    | M   | Price |
|-----------|------|----|----|----|----|----|----|----|------|-----|-------|
| A1162110  | SK40 | 54 | 26 | 20 | 23 | 19 | 14 | 17 | 7    | M16 |       |
| A1162111  | SK50 | 74 | 34 | 25 | 36 | 28 | 21 | 25 | 11.5 | M24 |       |

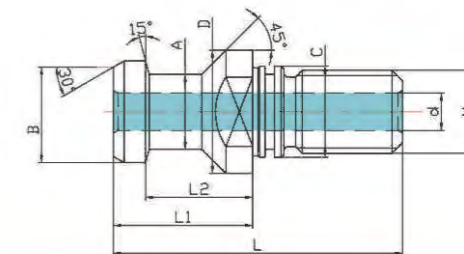


拉钉

▼A1162210-A1162413 订单号 Order NO.

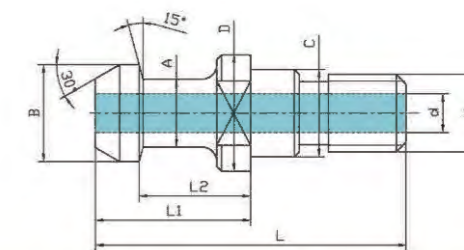
PULL STUDS

- SK PULL STUD DIN 69872 B with Q'ring by coolant  
SK 出水拉钉带皮圈



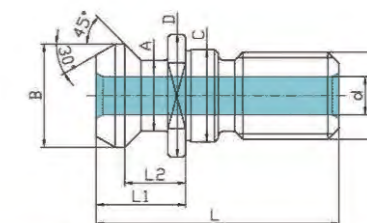
| Order No. | Type | L  | L1 | L2 | D  | B  | A  | C  | d    | M   | Price |
|-----------|------|----|----|----|----|----|----|----|------|-----|-------|
| A1162210  | SK40 | 54 | 26 | 20 | 23 | 19 | 14 | 17 | 7    | M16 |       |
| A1162211  | SK50 | 74 | 34 | 25 | 36 | 28 | 21 | 25 | 11.5 | M24 |       |

- ISO 7388/2-A  
ISO 拉钉



| Order No | Type  | D  | B  | A  | C  | L  | L1 | L2 | d    | M   | Price |
|----------|-------|----|----|----|----|----|----|----|------|-----|-------|
| A1162310 | ISO30 | 17 | 13 | 9  | 13 | 45 | 24 | 19 | 4.15 | M12 |       |
| A1162311 | ISO40 | 23 | 19 | 14 | 17 | 54 | 26 | 20 | -    | M16 |       |
| A1162312 | ISO40 | 23 | 19 | 14 | 17 | 54 | 26 | 20 | 7    | M16 |       |
| A1162313 | ISO50 | 36 | 28 | 21 | 25 | 74 | 34 | 25 | -    | M24 |       |
| A1162314 | ISO50 | 36 | 28 | 21 | 25 | 34 | 34 | 25 | 11.5 | M24 |       |

- PULL STUD ISO 7388/2-B  
ISO 拉钉

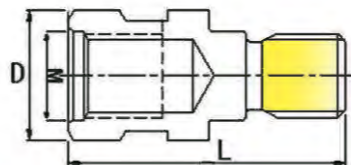


| Order No | Type  | D    | B    | A    | C  | L    | L1   | L2   | d    | M   | Price |
|----------|-------|------|------|------|----|------|------|------|------|-----|-------|
| A1162410 | ISO40 | 22.5 | 18.9 | 12.9 | 17 | 44.5 | 16.4 | 11.2 | -    | M16 |       |
| A1162411 | ISO40 | 22.5 | 18.9 | 12.9 | 17 | 44.5 | 16.4 | 11.2 | 7    | M16 |       |
| A1162412 | ISO50 | 37   | 29.1 | 19.6 | 25 | 65.5 | 25.5 | 17.9 | -    | M24 |       |
| A1162413 | ISO50 | 37   | 29.1 | 19.6 | 25 | 65.5 | 25.5 | 17.9 | 11.5 | M24 |       |



 榫柱  
 ▼A1171010-A1171111 订单号 Order NO.

ADAPTER



| Order No. | Transform range<br>转换范围 | D     | M   | L     | Price |
|-----------|-------------------------|-------|-----|-------|-------|
| A1171010  | BT30-NT30               | 17    | M12 | 40    |       |
| A1171011  | BT40-NT40               | 25    | M16 | 53    |       |
| A1171012  | BT50-NT50               | 39.29 | M24 | 65    |       |
| A1171110  | NT40-NT30               | 63    | M16 | 153.4 |       |
| A1171111  | NT50-NT40               | 97.5  | M24 | 196.8 |       |

▼A1181010 订单号 Order NO.

光电式巡边器  
 ELECTRONIC EDGE FINDER



- 接触时发光显示 Touch point LED indication
- 选用优质合金钢制造 Manufactured from high quality alloy steel
- 淬火并精密磨削 Hardened and precision ground
- 同轴度0.01mm Concetricity 0.01mm

▼A1191010 订单号 Order NO.

偏心式巡边器  
 MECHANICAL EDGE FINDER



- 用于圆弧面、平面的找正定位 Mechanical edge finder for quick and easy location of round or flat work
- 选用优质刚制造 Manufactured from high quality steel
- 使用方便 Easy to use
- 找正准确、迅速。 Quick and accurate
- 同轴度0.005mm Concentricity 0.005mm

 BT & CAT锁刀座  
 ▼A1201010-A1201211 订单号 Order NO.

TOOL LOCKING DEVICE For BT & CAT&SK



| Order NO. | Type  | 斜度  | N.W. (kg) | Price |
|-----------|-------|-----|-----------|-------|
| A1201010  | BT30  | #30 | 3.90      |       |
| A1201011  | BT40  | #40 | 4.20      |       |
| A1201012  | BT50  | #50 | 11.60     |       |
| A1201110  | CAT30 | #30 | 3.90      |       |
| A1201111  | CAT40 | #40 | 4.20      |       |
| A1201112  | CAT50 | #50 | 11.60     |       |
| A1201210  | SK40  | #40 | 4.20      |       |
| A1201211  | SK50  | #50 | 11.60     |       |

HSK滚针式锁刀座

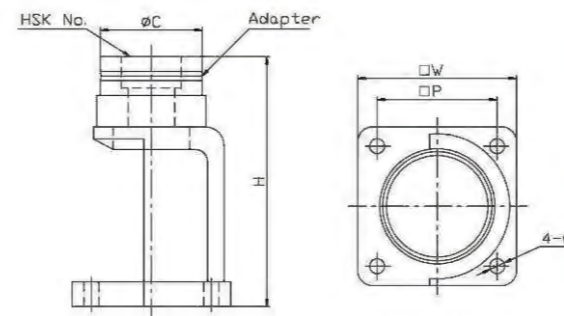
▼D1201310-A1201315 订单号 Order NO.

HSK LOCK CUTTER BASE WITH BEARING PIN



1. 本体自带接头一个转接头
  2. 转接头可以另外单独购买
  3. 转接头紧固螺丝可以单独购买
  4. 不附带固定本体底座的4颗螺丝
- 注：请将本体底座用螺丝固定在工作台之后使用

- 1pec. Of adapter is included.
  - Adapter can be ordered individually.
  - Adapter Lock Screw is available as a spare part.
  - 4pcs. of cap bolts to mount on the table are not included
- Caution : TOOLING MATE must be securely fixed to a bench with 4mounting bolts



| Order No. | Type    | No. | ØC  | H   | □W  | □P  | ØM            | N.W. (kg) | Price |
|-----------|---------|-----|-----|-----|-----|-----|---------------|-----------|-------|
| A1201310  | HSK-32  | C3  | 76  | 165 | 110 | 90  | 7<br>(for M6) |           |       |
| A1201311  | HSK-40  | C4  |     |     |     |     |               |           |       |
| A1201312  | HSK-50  | C5  |     |     |     |     |               |           |       |
| A1201313  | HSK-63  | C6  | 87  | 172 | 160 | 130 | 9<br>(for M8) |           |       |
| A1201314  | HSK-80  | C8  | 104 | 210 |     |     |               |           |       |
| A1201315  | HSK-100 | -   | 124 | 219 |     |     |               |           |       |





ER 夹咀支架

▼ A1211010-A1211015 订单号 Order NO.

ER COLLET RACKS



- Enameled steel construction
- Protects, stores, and organizes collets
- 托架经过良好的表面处理
- 保证了筒夹的外观和精度

| Order NO. | Type    | L   | W   | H  | Price |
|-----------|---------|-----|-----|----|-------|
| A1211010  | ER11-12 | 100 | 70  | 23 |       |
| A1211011  | ER16-12 | 110 | 80  | 35 |       |
| A1211012  | ER20-12 | 140 | 100 | 40 |       |
| A1211013  | ER25-15 | 190 | 130 | 45 |       |
| A1211014  | ER32-20 | 260 | 200 | 50 |       |
| A1211015  | ER40-24 | 360 | 245 | 60 |       |

▼ A1221010-A1221012 订单号 Order NO.

刀具车  
TOOL TROLLEY



- 捷合DTC数控刀具车采用优质脚轮，载重强度大，耐磨损。
- 适合放置、运输各类加工中心刀柄、刀具、刀杆、刀片等。
- 上下侧面刀座可平放、可倾斜，方便操作。
- JieHe DTC of nc tool vehicle USES the high quality castor wheel, load strength and wear resistance
- Suitable place, and transport all types of machining centers handle, knives, shanks, blades.
- Milling chuck can lie flat side up and down, can tilt, convenient operation

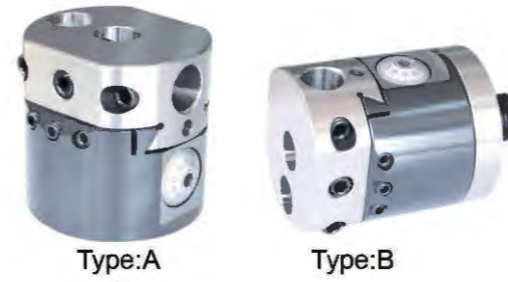
| Order NO. | Type | 斜度  | N.W. (kg) | Price |
|-----------|------|-----|-----------|-------|
| A1221010  | BT30 | #30 | 3.90      |       |
| A1221011  | BT40 | #40 | 4.20      |       |
| A1221012  | BT50 | #50 | 11.60     |       |



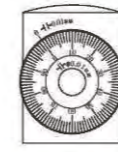
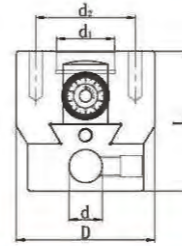
NBH2084精密微调镗头

▼ A1231010 订单号 Order NO.

BORING HEAD-NBH2084



Type:A Type:B



Graduation reading



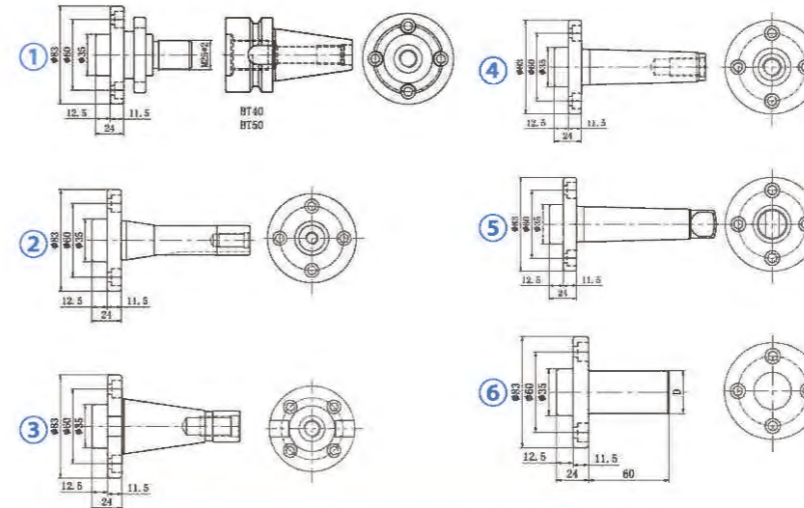
精磨  
空程 ≤ 5格  
经过磨床精磨的螺杆，空程不大于5格  
After grinding machine for fine grinding of the worm, backlash less than or equal to 5 lattices.

Remark: Type:A is without flange Type:B is with flange

| Order NO. | Type    | Size |    |    |    |    | Micro distance | Micro accuracy | Modular holder | Price |
|-----------|---------|------|----|----|----|----|----------------|----------------|----------------|-------|
|           |         | D    | d  | d1 | d2 | L  |                |                |                |       |
| A1231010  | NBH2084 | 84   | 20 | 35 | 60 | 83 | 28             | 0.01           | NBH            |       |

▼ A1241010-A1241512 订单号 Order NO.

NBH2084镗头柄  
BORING HEAD SHANK FOR NBH2084



| ① Order NO. | Type | Speification | Price |
|-------------|------|--------------|-------|
| A1241010    | BT40 | M16×P2.0     |       |
| A1241011    | BT50 | M20×P3.0     |       |

| ② Order NO. | Type | Speification | Price |
|-------------|------|--------------|-------|
| A1241110    | R8   | 7/16"-20UNF  |       |

| ③ Order NO. | Type | Speification | Price |
|-------------|------|--------------|-------|
| A1241210    | NT30 | 1/2"-12UNC   |       |
| A1241211    | NT30 | M12×P1.75    |       |
| A1241212    | NT40 | 5/8"-11UNC   |       |
| A1241213    | NT40 | M16×P2.0     |       |
| A1241214    | NT50 | 1"-8UNC      |       |
| A1241215    | NT50 | M24×P3.0     |       |

| ④ Order NO. | Type | Speification | Price |
|-------------|------|--------------|-------|
| A1241310    | MT3  | 1/2"-12UNC   |       |
| A1241311    | MT3  | M12×P1.75    |       |
| A1241312    | MT4  | 5/8"-11UNC   |       |
| A1241313    | MT4  | M16×P2.0     |       |
| A1241314    | MT5  | 1"-8UNC      |       |
| A1241315    | MT5  | M24×P3.0     |       |

| ⑤ Order NO. | Type | Speification | Price |
|-------------|------|--------------|-------|
| A1241410    | MT3  | TANGED       |       |
| A1241411    | MT4  | TANGED       |       |
| A1241412    | MT5  | TANGED       |       |

| ⑥ Order NO. | Type | Speification | Price |
|-------------|------|--------------|-------|
| A1241510    | Φ20  | 20           |       |
| A1241511    | Φ25  | 25           |       |
| A1241512    | Φ32  | 32           |       |

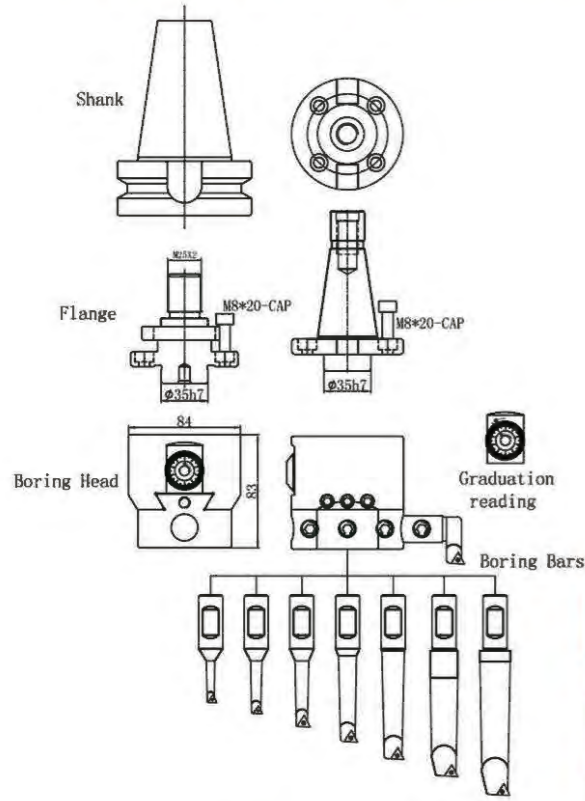




**NBH2084镗头套装**

▼A1251010-A1251018 订单号 Order NO.

BORING HEAD SET-NBH2084



| Order NO. | Type         | Specification | Price |
|-----------|--------------|---------------|-------|
| A1251010  | BT40-NBH2084 | M16×P2.0      |       |
| A1251011  | BT50-NBH2084 | M20×P3.0      |       |
| A1251012  | R8-NBH2084   | 7/16"-20UNC   |       |
| A1251013  | NT30-NBH2084 | 1/2"-12UNC    |       |
| A1251014  | NT30-NBH2084 | M12×P1.75     |       |
| A1251015  | NT40-NBH2084 | 5/8"-11UNC    |       |
| A1251016  | NT40-NBH2084 | M16×P2.0      |       |
| A1251017  | NT50-NBH2084 | 1"-8UNC       |       |
| A1251018  | NT50-NBH2084 | M24×P3.0      |       |



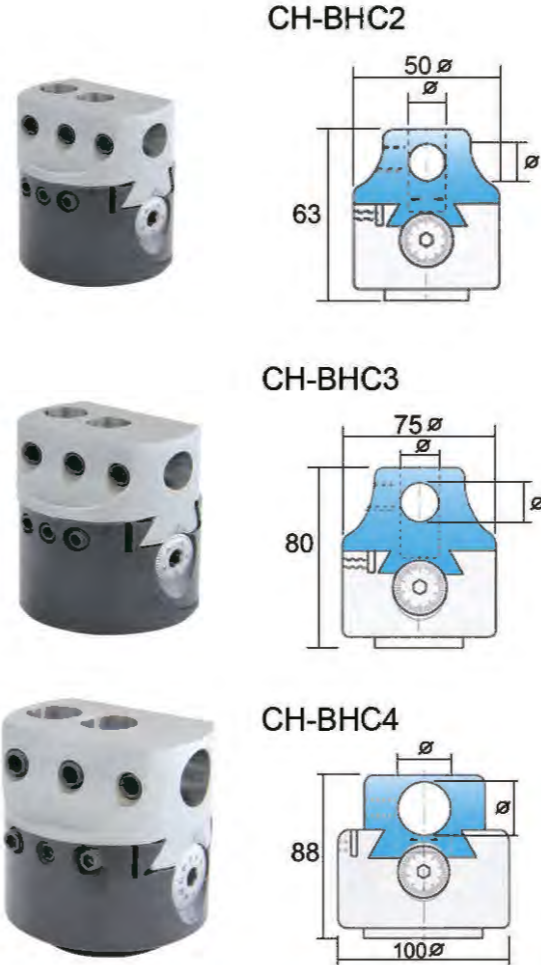
|             | Type         | Boring Range | Depth   | Wrench |
|-------------|--------------|--------------|---------|--------|
|             | SBJ-2008-32  | 8-11         | 32      | T6     |
| SBJ-2010-40 | 10-13        | 40           |         |        |
| BORING BAR  | SBJ-2012-53  | 12-17        | 53      | T8     |
|             | SBJ-2016-68  | 16-21        | 68      |        |
|             | SBJ-2020-83  | 20-130       | 83      |        |
|             | SBJ-2025-96  | 25-135       | 96      |        |
|             | SBJ-2030-115 | 30-140       | 115     |        |
|             | SBJ-2020-L   | 120-280      | 84+BTL1 |        |



**精密微调镗头**

▼A1261010-A1261211 订单号 Order NO.

BORING HEAD



**精磨**      **空程 ≤ 5格**

经过磨床精磨的螺杆，空程不大于5格  
After grinding machine for fine grinding of the worm, backlash less than or equal to 5 lattices.

Here is a small boring head that will be in constant demand in any shop. Note the wide base bearing surface that assures maximum rigidity even when the bar holder is in an off-set position. This wide base design is a recent criterion. Innovation that increases bearing.

A choice of 1/2 double hole bar holder with a 1/2 cross hole is available. The unit has a 7/8-20 three-aded back and also features a direct reading dial screw.

Here is sturdy unit of extended boring range, capable of peeling off heavy roughing cuts as well as a tool extreme sensitivity.

The use of a wide base bar holder, resting securely on the body, eliminates the need for a separate side plate. You will note this has now become an integral part of the body. The direct reading adjusting screw is ground after hardening and a plainly marked dial face in nonreflecting satin chrome allows easy reading and adjustments of .0005 or less. All Criterion Boring Heads have threaded backs for use with a variety of shanks. This model takes a 1-1/2"-18 threaded shank.

This is a bigger boring head which can be put on a large machine to process more as you want. The radius of boring hold can reach on about 400m/m.

| Order NO. | Type      | Actual size (D) | Overall length (L) | Boring bar hole size (d1) | Center dist between holes | Cross hole dia (d2) | Offset | N.W. (kg/lbs) | Price |
|-----------|-----------|-----------------|--------------------|---------------------------|---------------------------|---------------------|--------|---------------|-------|
| A1261010  | BHC2 inch | 2"Dia           | 2-1/2"             | 1/2"                      | 5/8"                      | 1/2"                | 5/8"   | 1.55          |       |
| A1261011  | BHC2 m/m  | 50              | 63.5               | 12                        | 15.5                      | 12                  | 15     | 0.7           |       |
| A1261110  | BHC3 inch | 3"Dia           | 3-5/32"            | 3/4"                      | 15/16"                    | 3/4"                | 1"     | 4.4           |       |
| A1261111  | BHC3 m/m  | 75              | 80                 | 18                        | 23.5                      | 18                  | 25     | 2             |       |
| A1261210  | BHC4 inch | 4"Dia           | 3-43/64"           | 1"                        | 1-1/4"                    | 1"                  | 1"     | 8.8           |       |
| A1261211  | BHC4 m/m  | 100             | 93.3               | 25                        | 31.5                      | 25                  | 25     | 4             |       |





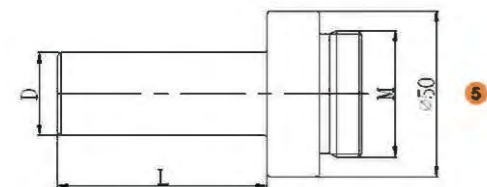
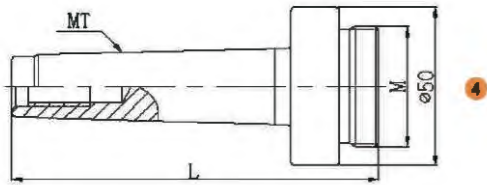
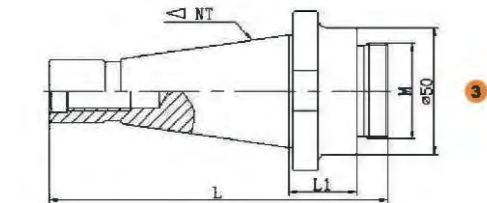
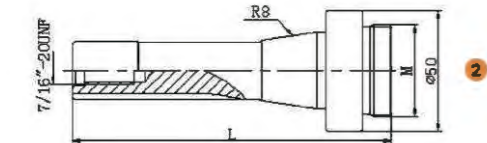
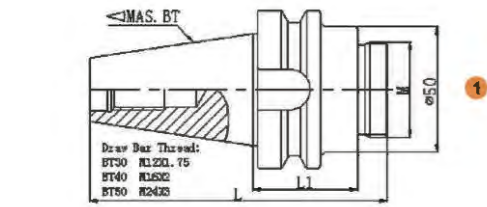
微调镗头柄

▼A1271010-A1271412 订单号 Order NO.

BORING HEAD SHANK

THE SHANK FOR(GIN-BHC2~BHC4)BORING HEAD

(如左图示)



注: 图中M=1 1/2\"/>

| Order No. | Type | L     | L1 | M       | Price |
|-----------|------|-------|----|---------|-------|
| A1271010  | BT40 | 119.4 | 42 | 7/8\"/> |       |

| Order No. | Model | L   | M         | Price |
|-----------|-------|-----|-----------|-------|
| A1271110  | R8    | 132 | 1-1/2\"/> |       |

| Order No. | Type | L   | L1   | Speification | M | Price |
|-----------|------|-----|------|--------------|---|-------|
| A1271210  | NT30 | 105 | 24.6 | 1/2\"/>      |   |       |

| Order No. | Type | L  | M         | Speification | Price |
|-----------|------|----|-----------|--------------|-------|
| A1271310  | MT2  | 96 | 1-1/2\"/> |              |       |

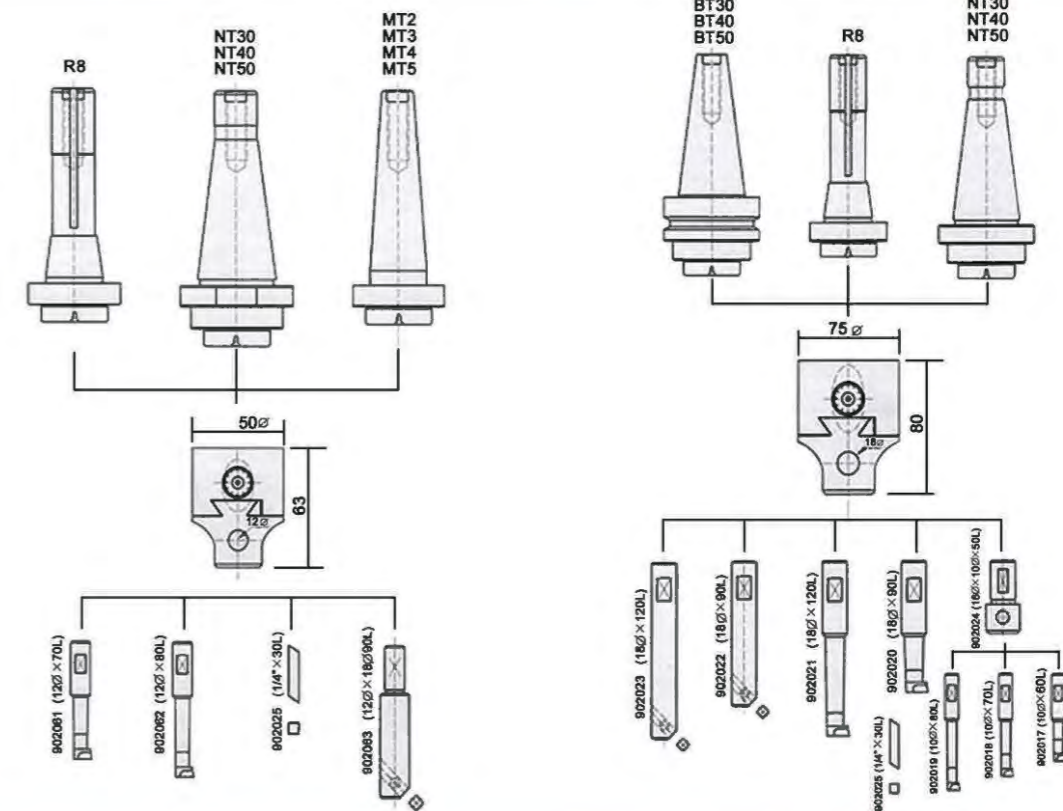
| Order No. | Type | D  | L  | M         | Price |
|-----------|------|----|----|-----------|-------|
| A1271410  | φ20  | 20 | 60 | 1-1/2\"/> |       |



搪孔头套装

▼A1281010-A1281210 订单号 Order NO.

BORING HEAD SETS



| Order No. | Type      | Boring head count<br>镗刀支数 | boring shank<br>柄部 | Minimum boring hole diameter<br>最小镗孔直径 | Maximum boring hole diameter<br>最大镗孔直径 | Maximum depth of boring<br>最大镗孔深度 | Price |
|-----------|-----------|---------------------------|--------------------|--|--|-----------------------------------|-------|
| A1281010  | BHS-2\"/> |                           |                    |  |  |                                   |       |



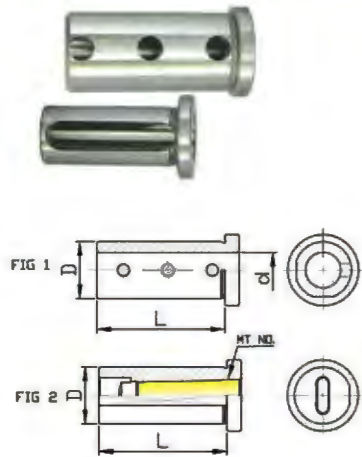




刀套

▼ A1291010-A1291414 订单号 Order NO.

REDUCING SLEEVE



| Order No. | Type   | ΦD | Φd | L  | Price |
|-----------|--------|----|----|----|-------|
| A1291010  | V32-8  | 32 | 8  | 80 |       |
| A1291011  | V32-10 |    | 10 |    |       |
| A1291012  | V32-12 |    | 12 |    |       |
| A1291013  | V32-16 |    | 16 |    |       |
| A1291014  | V32-20 |    | 20 |    |       |
| A1291015  | V32-25 |    | 25 |    |       |
| A1291110  | V40-8  | 40 | 8  | 80 |       |
| A1291111  | V40-10 |    | 10 |    |       |
| A1291112  | V40-12 |    | 12 |    |       |
| A1291113  | V40-16 |    | 16 |    |       |
| A1291114  | V40-20 |    | 20 |    |       |
| A1291115  | V40-25 |    | 25 |    |       |
| A1291116  | V40-32 |    | 32 |    |       |

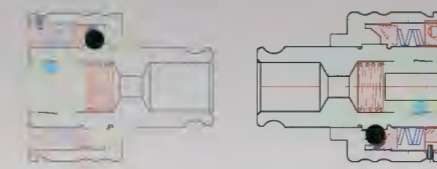
| Order No. | Type   | ΦD | Φd | L  | Price |
|-----------|--------|----|----|----|-------|
| A1291210  | V32-8  | 32 | 8  | 90 |       |
| A1291211  | V32-10 |    | 10 |    |       |
| A1291212  | V32-12 |    | 12 |    |       |
| A1291213  | V32-16 |    | 16 |    |       |
| A1291214  | V32-20 |    | 20 |    |       |
| A1291215  | V32-25 |    | 25 |    |       |

| Order No. | Type    | ΦD | Φd    | L   | Price |
|-----------|---------|----|-------|-----|-------|
| A1291310  | V32-MT2 | 32 | 17.78 | 90  |       |
| A1291311  | V32-MT3 |    | 23.83 | 100 |       |
| A1291312  | V40-MT2 | 40 | 17.78 | 110 |       |
| A1291313  | V40-MT3 |    | 23.83 |     |       |
| A1291314  | V40-MT4 |    | 31.27 |     | 125   |

| Order No. | Type   | ΦD | Φd | L  | Price |
|-----------|--------|----|----|----|-------|
| A1291410  | V32-8  | 32 | 8  | 70 |       |
| A1291411  | V32-10 |    | 10 |    |       |
| A1291412  | V32-12 |    | 12 |    |       |
| A1291413  | V32-16 |    | 16 |    |       |
| A1291414  | V32-20 |    | 20 |    |       |



# 攻丝夹头系列 Quick Change Tapping Chucks




扭力过载攻丝夹头具有过载保护避免丝锥不断的特点，当扭力值接近丝锥承受能力极限时，夹头和丝锥会自动分离打滑，丝锥停止运转。此刻可根据不同材质用扳手控制调整螺母来调节扭力大小来保护丝锥，扭力方便可调扭矩变化灵敏

The overload tapping chuck has the feature of overload protection to prevent the tap from ceasing. When the torque value is close to the maximum capacity of the tap, the chuck and the tap will automatically separate and slip, and the tap will stop running. At this moment, according to different materials, the torque can be adjusted with a wrench to control the nut to adjust the torque size, to protect the tap, the torque is convenient to be adjustable, torque changes sensitively

### 装配图 assembly drawing



### 夹头特点 feature:

1. 产品内部均使用级别较高的标件，其中的核心标件碟簧尤其重要，此标件材质为优质弹簧钢（60Si2MnA），一般公司为50CRVA。  

2. 扭力过载攻丝夹头可根据不同材质调节扭力大小保护丝锥。（操作如下）



### 产品应用 product application:

攻丝夹头应用广泛，通用性强，适用于各类攻牙设备（攻丝机、钻床、铣床、车床、加工中心等）  
Tapping chuck is widely used, strong versatility, suitable for all kinds of tapping equipment (tapping machine, drilling machine, milling machine, lathe, machining center, etc.)







攻丝刀柄

▼A1301010-A1301115 订单号 Order NO

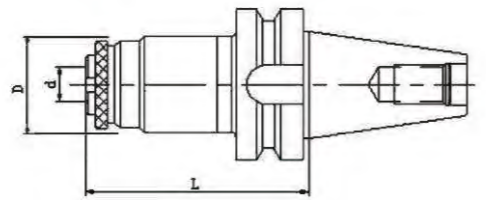
TAPPING CHUCKS



MAS 403/BT柄



DIN 2080/NT柄



BT/NT柄示意图

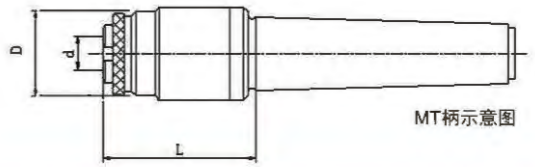
| Order NO. | Type       | Gripl range<br>攻牙范围 | D  | d  | L   | Collet<br>筒夹 | Price |
|-----------|------------|---------------------|----|----|-----|--------------|-------|
| A1301010  | BT30-GT12  | M2-M16              | 46 | 19 | 120 | GT12         |       |
| A1301011  | BT40-GT12  |                     |    |    | 120 |              |       |
| A1301012  | BT50-GT12  |                     |    |    | 130 |              |       |
| A1301013  | BT30-GT24  | M5-M30              | 66 | 30 | 145 | GT24         |       |
| A1301014  | BT40-GT24  |                     |    |    | 140 |              |       |
| A1301015  | BT50-GT24  |                     |    |    | 140 |              |       |
| A1301016  | BT30-TC820 | M5-M30              | 66 | 31 | 145 | TC820        |       |
| A1301017  | BT40-TC820 |                     |    |    | 140 |              |       |
| A1301018  | BT50-TC820 |                     |    |    | 140 |              |       |
| A1301019  | BT50-GT42  | M24-M42             | 78 | 45 | 150 | GT42         |       |
| A1301110  | NT30-GT12  | M2-M16              | 46 | 19 | 105 | GT12         |       |
| A1301111  | NT40-GT12  |                     |    |    | 105 |              |       |
| A1301112  | NT50-GT12  |                     |    |    | 110 |              |       |
| A1301113  | NT30-GT24  | M5-M30              | 66 | 30 | 130 | GT24         |       |
| A1301114  | NT40-GT24  |                     |    |    | 125 |              |       |
| A1301115  | NT50-GT24  |                     |    |    | 130 |              |       |
| A1301116  | NT30-TC820 | M5-M30              | 66 | 31 | 130 | TC820        |       |
| A1301117  | NT40-TC820 |                     |    |    | 125 |              |       |
| A1301118  | NT50-TC820 |                     |    |    | 130 |              |       |
| A1301115  | NT50-GT42  | M24-M42             | 78 | 45 | 125 | GT42         |       |



攻丝刀柄

▼A1301210-A1301317 订单号 Order NO

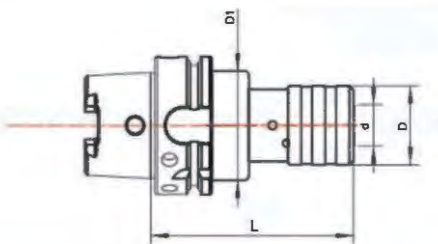
TAPPING CHUCKS



MT柄示意图

| TYPE | M   |
|------|-----|
| MTB2 | M10 |
| MTB3 | M12 |
| MTB4 | M16 |
| MTB5 | M20 |

| Order NO. | Type      | Gripl range<br>攻牙范围 | D  | d  | L   | Collet<br>筒夹 | Price |
|-----------|-----------|---------------------|----|----|-----|--------------|-------|
| A1301210  | MT2-GT12  | M2-M16              | 46 | 19 | 110 | GT12         |       |
| A1301211  | MT3-GT12  |                     |    |    | 110 |              |       |
| A1301212  | MT4-GT12  |                     |    |    | 110 |              |       |
| A1301213  | MT5-GT12  |                     |    |    | 110 |              |       |
| A1301214  | MT2-GT24  | M5-M30              | 66 | 30 | 130 | GT24         |       |
| A1301215  | MT3-GT24  |                     |    |    | 130 |              |       |
| A1301216  | MT4-GT24  |                     |    |    | 130 |              |       |
| A1301217  | MT5-GT24  |                     |    |    | 130 |              |       |
| A1301218  | MT2-TC820 | M5-M30              | 66 | 31 | 130 | TC820        |       |
| A1301219  | MT3-TC820 |                     |    |    | 130 |              |       |
| A1301220  | MT4-TC820 |                     |    |    | 130 |              |       |
| A1301221  | MT5-TC820 |                     |    |    | 130 |              |       |
| A1301222  | MT4-GT42  | M24-M42             | 78 | 45 | 165 | GT42         |       |
| A1301223  | MT5-GT42  |                     | 92 |    | 165 | GT42         |       |



HSK柄示意图

| Order NO. | Type         | Gripl range<br>攻牙范围 | D  | D1 | d  | L   | Collet<br>筒夹 | Price |
|-----------|--------------|---------------------|----|----|----|-----|--------------|-------|
| A1301310  | HSK50A-WF12  | M3-M12              | 36 | 40 | 19 | 94  | GT12         |       |
| A1301311  | HSK63A-WF12  |                     |    | 50 |    | 94  |              |       |
| A1301312  | HSK100A-WF12 |                     |    | 85 |    | 110 |              |       |
| A1301313  | HSK50A-WF20  | M8-M20              | 53 | 40 | 31 | 135 | TC820        |       |
| A1301314  | HSK63A-WF20  |                     |    | 50 |    | 135 |              |       |
| A1301315  | HSK100A-WF20 |                     |    | 85 |    | 145 |              |       |
| A1301316  | HSK63A-WF33  | M14-M33             | 78 | 50 | 48 | 205 | TC1433       |       |
| A1301317  | HSK100A-WF33 |                     |    | 85 |    | 210 |              |       |

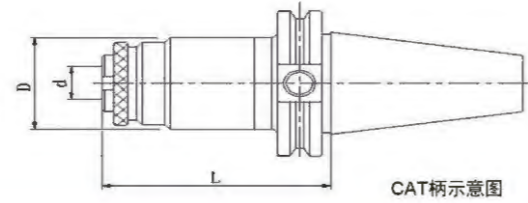




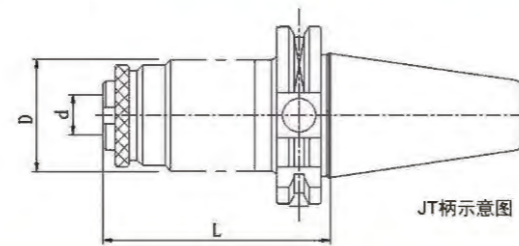
攻丝刀柄

▼A1301410-A1301519 订单号 Order NO.

TAPPING CHUCKS



| Order NO. | 型号 Model No. | 攻牙范围 Gripl Range | D  | d  | L   | 筒夹 Collet | Price |
|-----------|--------------|------------------|----|----|-----|-----------|-------|
| A1301410  | CAT40-GT12   | M2-M16           | 46 | 19 | 110 | GT12      |       |
| A1301411  | CAT50-GT12   |                  |    |    | 110 |           |       |
| A1301412  | CAT40-GT24   | M5-M30           | 66 | 30 | 140 | GT24      |       |
| A1301413  | CAT50-GT24   |                  |    |    | 140 |           |       |
| A1301414  | CAT40-TC820  | M5-M30           | 66 | 31 | 140 | TC820     |       |
| A1301415  | CAT50-TC820  |                  |    |    | 140 |           |       |
| A1301416  | CAT50-GT42   | M24-M42          | 78 | 45 | 150 | GT42      |       |



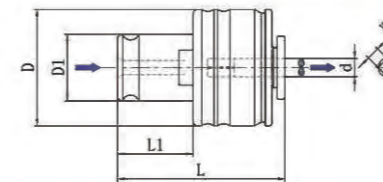
| Order NO. | 型号 Model No. | 攻牙范围 Gripl Range | D  | d  | L   | 筒夹 Collet | Price |
|-----------|--------------|------------------|----|----|-----|-----------|-------|
| A1301510  | SK30-GT12    | M2-M16           | 46 | 19 | 110 | GT12      |       |
| A1301511  | SK40-GT12    |                  |    |    | 220 |           |       |
| A1301512  | SK50-GT12    |                  |    |    | 110 |           |       |
| A1301513  | SK30-GT24    | M5-M30           | 66 | 30 | 140 | GT24      |       |
| A1301514  | SK40-GT24    |                  |    |    | 140 |           |       |
| A1301515  | SK50-GT24    |                  |    |    | 140 |           |       |
| A1301516  | SK30-TC820   | M5-M30           | 66 | 31 | 140 | TC820     |       |
| A1301517  | SK40-TC820   |                  |    |    | 140 |           |       |
| A1301518  | SK50-TC820   |                  |    |    | 140 |           |       |
| A1301519  | SK50-GT42    | M24-M42          | 78 | 45 | 125 | GT42      |       |



攻丝夹头-扭力型

▼A1311010-A1311031 订单号 Order NO.

TAPPING COLLET with OVERLOAD CLUTCH



- 过载保护、高精度、高感度。
- 可调扭矩、反应灵敏。
- 适应于各种电（气）动攻牙机以及各类机床。
- Overload protection, high precision, high sensitivity
- Small adjustments can be made to accommodate tap strength
- Used for kinds of tapping machine including electric tapping machine and pneumatic tapping machine.

○ Optional tapping collet sleeve



ISO标准

| Order NO. | Model        | Type   | Tap Size       |          | D  | D1 | L1 | L  | Price |    |    |     |  |      |
|-----------|--------------|--------|----------------|----------|----|----|----|----|-------|----|----|-----|--|------|
|           |              |        | Shank Dia. (d) | Square W |    |    |    |    |       |    |    |     |  |      |
| A1311010  | GT12 (TC312) | M2     | 2.5            | 2        | 33 | 19 | 22 | 55 |       |    |    |     |  |      |
| A1311011  |              | M3     | 3.15           | 2.5      |    |    |    |    |       |    |    |     |  |      |
| A1311012  |              | M4     | 4              | 3.15     |    |    |    |    |       |    |    |     |  |      |
| A1311013  |              | M5     | 5              | 4        |    |    |    |    |       |    |    |     |  |      |
| A1311014  |              | M6-8   | 6.3            | 5        |    |    |    |    |       |    |    |     |  |      |
| A1311015  |              | M10    | 8              | 6.3      |    |    |    |    |       |    |    |     |  |      |
| A1311016  | M12          | 9      | 7.1            | 50       | 30 | 30 | 82 |    |       |    |    |     |  |      |
| A1311017  | GT24         | M5     | 5              |          |    |    |    |    | 4     |    |    |     |  |      |
| A1311018  |              | M6-8   | 6.3            |          |    |    |    |    | 5     |    |    |     |  |      |
| A1311019  |              | M10    | 8              |          |    |    |    |    | 6.3   |    |    |     |  |      |
| A1311020  |              | M12    | 9              |          |    |    |    |    | 7.1   |    |    |     |  |      |
| A1311021  |              | M14    | 11.2           |          |    |    |    |    | 9     |    |    |     |  |      |
| A1311022  |              | M16    | 12.5           |          |    |    |    |    | 10    |    |    |     |  |      |
| A1311023  | M18-20       | 14     | 11.2           |          |    |    |    |    | 84    | 45 | 48 | 118 |  |      |
| A1311024  | GT42         | M22    | 16             |          |    |    |    |    |       |    |    |     |  | 12.5 |
| A1311025  |              | M24    | 18             |          |    |    |    |    |       |    |    |     |  | 14   |
| A1311026  |              | M27-30 | 20             |          |    |    |    |    |       |    |    |     |  | 16   |
| A1311027  |              | M24    | 18             |          |    |    |    |    |       |    |    |     |  | 14   |
| A1311028  |              | M27-30 | 20             | 16       |    |    |    |    |       |    |    |     |  |      |
| A1311029  |              | M33    | 22.4           | 18       |    |    |    |    |       |    |    |     |  |      |
| A1311030  | M36          | 25     | 20             |          |    |    |    |    |       |    |    |     |  |      |
| A1311031  | M39-42       | 28     | 22.4           |          |    |    |    |    |       |    |    |     |  |      |

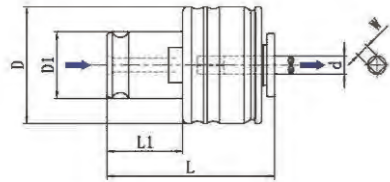




攻丝夹头-扭力型

▼A1311032-A1311046 订单号 Order NO.

TAPPING COLLET with OVERLOAD CLUTCH



- 过载保护、高精度、高感度。
- 可调扭距、反应灵敏。
- 适应于各种电（气）动攻牙机以及各类机床。
- Overload protection, high precision, high sensitivity
- Small adjustments can be made to accomodate tap strength
- Used for kinds of tapping machine including electric tapping machine and pneumatic tapping machine.



ISO标准

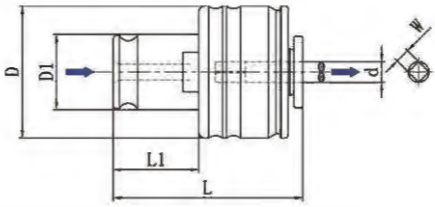
| Order NO. | Model  | Type   | Tap Size       |          | D  | D1 | L1   | L   | Price |
|-----------|--------|--------|----------------|----------|----|----|------|-----|-------|
|           |        |        | Shank Dia. (d) | Square W |    |    |      |     |       |
| A1311032  | TC820  | M5     | 5              | 4        | 56 | 31 | 35.5 | 82  |       |
| A1311033  |        | M6-8   | 6.3            | 5        |    |    |      |     |       |
| A1311034  |        | M10    | 8              | 6.3      |    |    |      |     |       |
| A1311035  |        | M12    | 9              | 7.1      |    |    |      |     |       |
| A1311036  |        | M14    | 11.2           | 9        |    |    |      |     |       |
| A1311037  |        | M16    | 12.5           | 10       |    |    |      |     |       |
| A1311038  |        | M18-20 | 14             | 11.2     |    |    |      |     |       |
| A1311039  |        | M22    | 16             | 12.5     |    |    |      |     |       |
| A1311040  |        | M24    | 18             | 14       |    |    |      |     |       |
| A1311041  |        | M27-30 | 20             | 16       |    |    |      |     |       |
| A1311042  | TC1433 | M24    | 18             | 14       | 72 | 48 | 56   | 118 |       |
| A1311043  |        | M27-30 | 20             | 16       |    |    |      |     |       |
| A1311044  |        | M33    | 22.4           | 18       |    |    |      |     |       |
| A1311045  |        | M36    | 25             | 20       |    |    |      |     |       |
| A1311046  |        | M39-42 | 28             | 22.4     |    |    |      |     |       |



攻丝夹头-扭力型

▼A1311110-A1311129 订单号 Order NO.

TAPPING COLLET with OVERLOAD CLUTCH



- 过载保护、高精度、高感度。
- 可调扭距、反应灵敏。
- 适应于各种电（气）动攻牙机以及各类机床。
- Overload protection, high precision, high sensitivity
- Small adjustments can be made to accomodate tap strength
- Used for kinds of tapping machine including electric tapping machine and pneumatic tapping machine.



JIS标准

| Order NO. | Model        | Type | Tap Size       |          | D  | D1 | L1 | L  | Price |    |    |    |    |  |
|-----------|--------------|------|----------------|----------|----|----|----|----|-------|----|----|----|----|--|
|           |              |      | Shank Dia. (d) | Square W |    |    |    |    |       |    |    |    |    |  |
| A1311110  | GT12 (TC312) | M2   | 3              | 2.5      | 33 | 19 | 22 | 55 |       |    |    |    |    |  |
| A1311111  |              | M3   | 4              | 3.2      |    |    |    |    |       |    |    |    |    |  |
| A1311112  |              | M4   | 5              | 4        |    |    |    |    |       |    |    |    |    |  |
| A1311113  |              | M5   | 5.5            | 4.5      |    |    |    |    |       |    |    |    |    |  |
| A1311114  |              | M6   | 6              | 4.5      |    |    |    |    |       |    |    |    |    |  |
| A1311115  |              | M8   | 6.2            | 5        |    |    |    |    |       |    |    |    |    |  |
| A1311116  |              | M10  | 7              | 5.5      |    |    |    |    |       |    |    |    |    |  |
| A1311117  |              | M12  | 8.5            | 6.5      |    |    |    |    |       |    |    |    |    |  |
| A1311118  |              | GT24 | M5             | 5.5      |    |    |    |    | 4.5   | 50 | 30 | 30 | 82 |  |
| A1311119  |              |      | M6             | 6        |    |    |    |    | 4.5   |    |    |    |    |  |
| A1311120  | M8           |      | 6.2            | 5        |    |    |    |    |       |    |    |    |    |  |
| A1311121  | M10          |      | 7              | 5.5      |    |    |    |    |       |    |    |    |    |  |
| A1311122  | M12          |      | 8.5            | 6.5      |    |    |    |    |       |    |    |    |    |  |
| A1311123  | M14          |      | 10.5           | 8        |    |    |    |    |       |    |    |    |    |  |
| A1311124  | M16          |      | 12.5           | 10       |    |    |    |    |       |    |    |    |    |  |
| A1311125  | M18          |      | 14             | 11       |    |    |    |    |       |    |    |    |    |  |
| A1311126  | M20          |      | 15             | 12       |    |    |    |    |       |    |    |    |    |  |
| A1311127  | M22          |      | 17             | 13       |    |    |    |    |       |    |    |    |    |  |
| A1311128  | M24          | 19   | 15             |          |    |    |    |    |       |    |    |    |    |  |
| A1311129  | M27          | 20   | 15             |          |    |    |    |    |       |    |    |    |    |  |

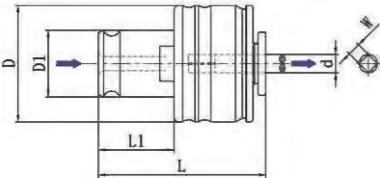




攻丝夹头-扭力型

▼A1311210-A1311227 订单号 Order NO.

TAPPING COLLET with OVERLOAD CLUTCH



- 过载保护、高精度、高感度。
- 可调扭距、反应灵敏。
- 适应于各种电（气）动攻牙机以及各类机床。
- Overload protection, high precision, high sensitivity
- Small adjustments can be made to accomodate tap strength
- Used for kinds of tapping machine including electric tapping machine and pneumatic tapping machine.



DIN标准

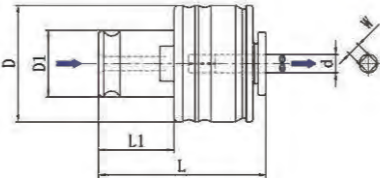
| Order NO. | Model               | Type         | Tap Size       |          | D  | D1 | L1 | L  | Price |    |    |      |    |  |
|-----------|---------------------|--------------|----------------|----------|----|----|----|----|-------|----|----|------|----|--|
|           |                     |              | Shank Dia. (d) | Square W |    |    |    |    |       |    |    |      |    |  |
| A1311210  | DIN371 GT12 (TC312) | M1           | 2.5            | 2.1      | 33 | 19 | 22 | 55 |       |    |    |      |    |  |
| A1311211  |                     | M2           | 2.8            | 2.1      |    |    |    |    |       |    |    |      |    |  |
| A1311212  |                     | M3           | 3.5            | 2.7      |    |    |    |    |       |    |    |      |    |  |
| A1311213  |                     | M4           | 4.5            | 3.4      |    |    |    |    |       |    |    |      |    |  |
| A1311214  |                     | M5           | 6              | 4.9      |    |    |    |    |       |    |    |      |    |  |
| A1311215  |                     | M6           | 6              | 4.9      |    |    |    |    |       |    |    |      |    |  |
| A1311216  |                     | M8           | 8              | 6.2      |    |    |    |    |       |    |    |      |    |  |
| A1311217  |                     | M10          | 10             | 8        |    |    |    |    |       |    |    |      |    |  |
| A1311218  |                     | DIN376 TC820 | M8             | 6        |    |    |    |    | 4.9   | 56 | 31 | 35.5 | 82 |  |
| A1311219  |                     |              | M10            | 7        |    |    |    |    | 5.5   |    |    |      |    |  |
| A1311220  | M12                 |              | 9              | 7        |    |    |    |    |       |    |    |      |    |  |
| A1311221  | M14                 |              | 11             | 9        |    |    |    |    |       |    |    |      |    |  |
| A1311222  | M16                 |              | 12             | 9        |    |    |    |    |       |    |    |      |    |  |
| A1311223  | M18                 |              | 14             | 11       |    |    |    |    |       |    |    |      |    |  |
| A1311224  | M20                 |              | 16             | 12       |    |    |    |    |       |    |    |      |    |  |
| A1311225  | M22                 |              | 18             | 14.5     |    |    |    |    |       |    |    |      |    |  |
| A1311226  | M24                 | 18           | 14.5           |          |    |    |    |    |       |    |    |      |    |  |
| A1311227  | M27                 | 20           | 16             |          |    |    |    |    |       |    |    |      |    |  |



攻丝夹头-扭力型

▼A1311310-A1311330 订单号 Order NO.

TAPPING COLLET with OVERLOAD CLUTCH



- 过载保护、高精度、高感度。
- 可调扭距、反应灵敏。
- 适应于各种电（气）动攻牙机以及各类机床。
- Overload protection, high precision, high sensitivity
- Small adjustments can be made to accomodate tap strength
- Used for kinds of tapping machine including electric tapping machine and pneumatic tapping machine.



ANSI标准/美标

| Order NO. | Model      | Type     | Tap Size       |          | D  | D1 | L1 | L  | Price |
|-----------|------------|----------|----------------|----------|----|----|----|----|-------|
|           |            |          | Shank Dia. (d) | Square W |    |    |    |    |       |
| A1311310  | GT12 TC312 | #0-6,1/8 | 0.141          | 0.11     | 33 | 19 | 22 | 55 |       |
| A1311311  |            | #8,5/32  | 0.16           | 0.131    |    |    |    |    |       |
| A1311312  |            | #10,3/16 | 0.194          | 0.152    |    |    |    |    |       |
| A1311313  |            | #12,7/32 | 0.22           | 0.165    |    |    |    |    |       |
| A1311314  |            | #14,1/4  | 0.255          | 0.191    |    |    |    |    |       |
| A1311315  |            | 5/16     | 0.318          | 0.238    |    |    |    |    |       |
| A1311316  |            | 3/8      | 0.381          | 0.286    |    |    |    |    |       |
| A1311317  |            | 7/16     | 0.323          | 0.242    |    |    |    |    |       |
| A1311318  |            | 1/2      | 0.367          | 0.275    |    |    |    |    |       |
| A1311319  |            | 9/16     | 0.429          | 0.322    |    |    |    |    |       |
| A1311320  | GT24       | #14,1/4  | 0.255          | 0.191    | 50 | 30 | 30 | 82 |       |
| A1311321  |            | 5/16     | 0.318          | 0.238    |    |    |    |    |       |
| A1311322  |            | 3/8      | 0.381          | 0.286    |    |    |    |    |       |
| A1311323  |            | 7/16     | 0.323          | 0.242    |    |    |    |    |       |
| A1311324  |            | 1/2      | 0.367          | 0.275    |    |    |    |    |       |
| A1311325  |            | 9/16     | 0.429          | 0.322    |    |    |    |    |       |
| A1311326  |            | 5/8      | 0.48           | 0.36     |    |    |    |    |       |
| A1311327  |            | 11/16    | 0.542          | 0.406    |    |    |    |    |       |
| A1311328  |            | 3/4      | 0.59           | 0.442    |    |    |    |    |       |
| A1311329  |            | 13/16    | 0.652          | 0.489    |    |    |    |    |       |
| A1311330  | 7/8        | 0.697    | 0.523          |          |    |    |    |    |       |

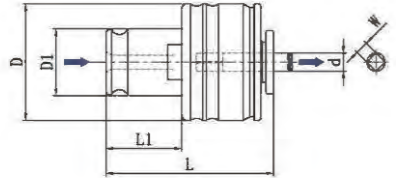




## 攻丝夹头-扭力型

▼A1311410-A1311423 订单号 Order NO.

TAPPING COLLET with OVERLOAD CLUTCH



- 过载保护、高精度、高敏感度。
- 可调扭距、反应灵敏。
- 适应于各种电（气）动攻牙机以及各类机床。
- Overload protection, high precision, high sensitivity
- Small adjustments can be made to accommodate tap strength
- Used for kinds of tapping machine including electric tapping machine and pneumatic tapping machine.

○ Optional tapping collet sleeve



英制标准

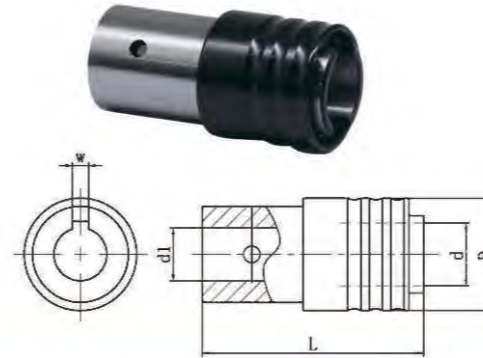
| Order NO. | Model        | Type  | Tap Size       |          | D  | D1 | L1   | L  | Price |
|-----------|--------------|-------|----------------|----------|----|----|------|----|-------|
|           |              |       | Shank Dia. (d) | Square W |    |    |      |    |       |
| A1311410  | GT12 (TC312) | 1/8   | 4              | 3.2      | 33 | 19 | 22   | 55 |       |
| A1311411  |              | 5/32  | 5              | 4        |    |    |      |    |       |
| A1311412  |              | 3/16  | 5.5            | 4.5      |    |    |      |    |       |
| A1311413  |              | 1/4   | 6              | 4.5      |    |    |      |    |       |
| A1311414  |              | 5/16  | 6.1            | 5        |    |    |      |    |       |
| A1311415  |              | 3/8   | 7              | 5.5      |    |    |      |    |       |
| A1311416  |              | 7/16  | 8              | 6        |    |    |      |    |       |
| A1311417  |              | 1/2   | 9              | 7        |    |    |      |    |       |
| A1311418  |              | 9/16  | 10.5           | 8        |    |    |      |    |       |
| A1311419  |              | 5/8   | 12             | 9        |    |    |      |    |       |
| A1311420  | TC820        | 3/4   | 14             | 11       | 56 | 31 | 35.5 | 82 |       |
| A1311421  |              | 7/8   | 17             | 13       |    |    |      |    |       |
| A1311422  |              | 1     | 20             | 15       |    |    |      |    |       |
| A1311423  |              | 1 1/8 | 22             | 17       |    |    |      |    |       |



## 快换式连接套

▼A1311510-A1311811 订单号 Order NO.

Quick Change Connection Sleeve



- 过载保护、增加攻丝作业的效率，节约成本，实用性好。
- 采用优质钢材加工而成，具有过载保护攻丝防断，快换攻丝硬度高同心度好的特点。
- Overload protection, increase efficiency of tapping operation, cost saving, good practicability.
- Made of high quality steel, with overload protection and anti-break tapping, quick tapping High hardness and good concentricity.

○ Tapping collet with sleeve



| Order NO. | Type      | Gripl range<br>攻牙范围 | d1      | d   | D  | L  | W  | Collet<br>筒夹 | Price |
|-----------|-----------|---------------------|---------|-----|----|----|----|--------------|-------|
| A1311510  | B12-GT12  | M2-M12              | B12     | φ19 | 34 | 72 | -  | GT12 (TC312) |       |
| A1311511  | B16-GT12  |                     | B16     |     |    |    | -  |              |       |
| A1311512  | B18-GT12  |                     | B18     |     |    |    | -  |              |       |
| A1311513  | JT2-GT12  |                     | JT2     |     |    |    | -  |              |       |
| A1311514  | JT6-GT12  |                     | JT6     |     |    |    | -  |              |       |
| A1311515  | φ10-GT12  |                     | 10      |     |    |    | 5  |              |       |
| A1311516  | φ12-GT12  |                     | 12      |     |    |    | 5  |              |       |
| A1311517  | φ14-GT12  |                     | 14      |     |    |    | 5  |              |       |
| A1311518  | φ16-GT12  |                     | 16      |     |    |    | 5  |              |       |
| A1311519  | φ18-GT12  |                     | 18      |     |    |    | 6  |              |       |
| A1311610  | B16-TC820 | M5-M27              | B16     | φ31 | 50 | 78 | -  | TC820        |       |
| A1311611  | B18-TC820 |                     | B18     |     |    |    | -  |              |       |
| A1311612  | φ14-TC820 |                     | 14      |     |    |    | 6  |              |       |
| A1311613  | φ16-TC820 |                     | 16      |     |    |    | 6  |              |       |
| A1311614  | φ18-TC820 |                     | 18      |     |    |    | 6  |              |       |
| A1311615  | φ20-TC820 |                     | 20      |     |    |    | 6  |              |       |
| A1311710  | B16-GT24  | M5-M27              | B16     | φ30 | 50 | 78 | -  | GT24         |       |
| A1311711  | B18-GT24  |                     | B18     |     |    |    | -  |              |       |
| A1311712  | φ14-GT24  |                     | 14      |     |    |    | 8  |              |       |
| A1311713  | φ16-GT24  |                     | 16      |     |    |    | 8  |              |       |
| A1311714  | φ18-GT24  |                     | 18      |     |    |    | 8  |              |       |
| A1311715  | φ20-GT24  |                     | 20      |     |    |    | 8  |              |       |
| A1311716  | φ22-GT24  |                     | 22      |     |    |    | 8  |              |       |
| A1311717  | φ24-GT24  |                     | 24      |     |    |    | 8  |              |       |
| A1311718  | φ25-GT24  |                     | 25      |     |    |    | 8  |              |       |
| A1311810  | φ20-GT42  |                     | M24-M42 |     |    |    | 20 |              |       |
| A1311811  | φ25-GT42  | 25                  |         | 8   |    |    |    |              |       |





快换式攻丝夹头套装

▼A1321010-A1321310 订单号Order NO.

Quick Change Tapping Collet Set



| Order NO. | Type 规格   | Standard | Tapping range 攻丝范围 | Collet 筒夹  | Price |
|-----------|-----------|----------|--------------------|--|-------|
| A1321010  | GT12-8PCS | Metric   | M3-M16             | M3, M4, M5, M6/M8, M10, M12, M14, M16              |       |
| A1321110  | GT24-8PCS |          | M6-M24             | M6/M8, M10, M12, M14, M16, M18/M20, M22, M24       |       |
| A1321210  | GT12-8PCS | Inch     | 3/16"-5/8"         | 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" |       |
| A1321310  | GT24-7PCS |          | 1/4"-7/8"          | 1/4", 3/8", 1/2", 9/16", 5/8", 3/4", 7/8"          |       |



攻丝夹头套装

A1331010-A1331215 订单号Order NO.

TAPPING CHUCK SET



| Order NO. | Type 规格            | Tapping range 攻丝范围 | Collet 筒夹                         | Price |
|-----------|--------------------|--------------------|-----------------------------------|-------|
| A1331010  | BT30×GT12×7pcs     | M3-M12             | M3, M4, M5, M6, M8, M10, M12      |       |
| A1331011  | BT40×GT12×7pcs     |                    |                                   |       |
| A1331012  | NT30×GT12×7pcs     |                    |                                   |       |
| A1331013  | NT40×GT12×7pcs     |                    |                                   |       |
| A1331014  | MTA/MTB2×GT12×7pcs |                    |                                   |       |
| A1331015  | MTA/MTB3×GT12×7pcs |                    |                                   |       |
| A1331016  | MTA/MTB4×GT12×7pcs |                    |                                   |       |
| A1331017  | SK40×GT12×7pcs     |                    |                                   |       |
| A1331018  | CAT40×GT12×7pcs    |                    |                                   |       |
| A1331019  | HSK63A×GT12×7pcs   |                    |                                   |       |
| A1331110  | BT40×GT24×7pcs     | M12-M24            | M12, M14, M16, M18, M20, M22, M24 |       |
| A1331111  | BT50×GT24×7pcs     |                    |                                   |       |
| A1331112  | NT40×GT24×7pcs     |                    |                                   |       |
| A1331113  | NT50×GT24×7pcs     |                    |                                   |       |
| A1331114  | MTA/MTB3×GT24×7pcs |                    |                                   |       |
| A1331115  | MTA/MTB4×GT24×7pcs |                    |                                   |       |
| A1331116  | MTA/MTB5×GT24×7pcs |                    |                                   |       |
| A1331117  | SK40×GT24×7pcs     | M24-M42            | M24, M27, M30, M33, M36, M39, M42 |       |
| A1331118  | CAT40×GT24×7pcs    |                    |                                   |       |
| A1331119  | HSK63A×GT24×7pcs   |                    |                                   |       |
| A1331210  | BT50×GT42×7pcs     |                    |                                   |       |
| A1331211  | NT50×GT42×7pcs     |                    |                                   |       |
| A1331212  | MTA/MTB5×GT42×7pcs |                    |                                   |       |
| A1331213  | SK50×GT42×7pcs     |                    |                                   |       |
| A1331214  | CAT50×GT42×7pcs    |                    |                                   |       |
| A1331215  | HSK63A×GT42×7pcs   |                    |                                   |       |



JSN型可逆攻丝夹头系列

▼A1341010-A1341210 订单号Order

SELF-REVERSING TAPPING HEAD

- 扭矩大小可调节
- 扭矩过载保护功能
- 可逆转, 效率高
- 适用于盲孔攻丝和大批量的攻丝加工
- 包含两个柔性夹头和2个连接杆

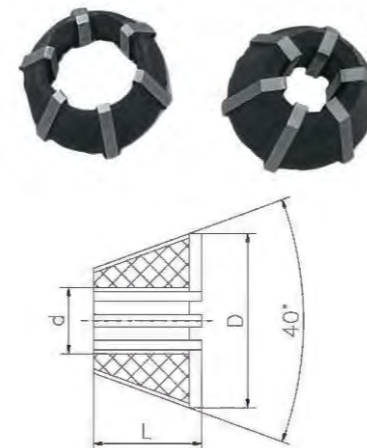
- Adjustable torque
- Overload protection,
- High reverse ratio increases productivity
- It is suitable for blind hole tapping and mass tapping
- Includes:2rubber flex collets and 2 shanks



| Order No. | 型号 Model | 攻丝范围 Capacity | 配备莫氏接杆 MS,NO | 连接形式 Mount    | 配备柔性夹头 collet                                    | Price |
|-----------|----------|---------------|--------------|---------------|--|-------|
| A1341010  | JSN7     | M2-M7         | MS2 MS3      | JT6/B16 /JT33 | φ2.5-φ4.5<br>φ4.5-φ6.5                           |       |
| A1341110  | JSN12    | M5-M12        | MS3 MS4      | JT6/B16/JT33  | φ4-φ7<br>φ7-φ10                                  |       |
| A1341210  | JSN20    | M8-M20        | MS3 MS4      | M20/B22/JT3   | φ5.4-φ9<br>φ9-φ14<br>φ14-16 (特殊订货special orders) |       |

▼A1341310-A1341512 订单号Order NO.

柔性夹头  
RUBBER FLEX COLLETS



| Order No. | 型号 Model | Outside Diameter(D) | Capacity Range(d) | Length(L) | Price |
|-----------|----------|---------------------|-------------------|-----------|-------|
| A1341310  | JSN7     | 15.7                | 2.5-4.5           | 11        |       |
| A1341311  |          |                     | 4.5-6.5           |           |       |
| A1341410  | JSN12    | 21.8                | 4-7               | 13        |       |
| A1341411  |          |                     | 7-10              |           |       |
| A1341510  | JSN20    | 26.9                | 5.4-9             | 15        |       |
| A1341511  |          |                     | 9-14              |           |       |
| A1341512  |          |                     | 14-16             |           |       |

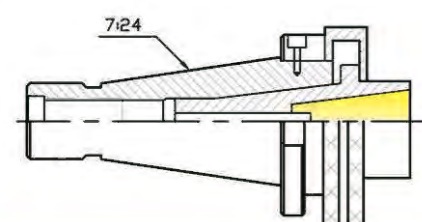




多用快换套装铣夹头

▼A1351010-A1351110 订单号Order

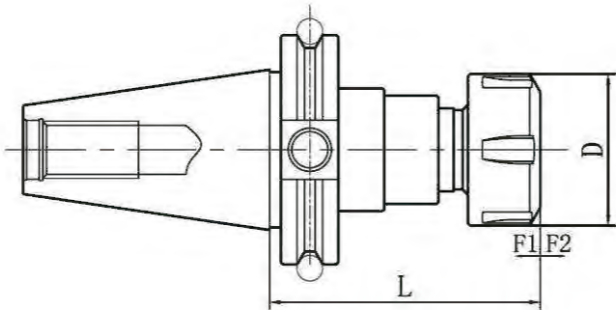
QUICK-CHANGE TAP CHUCK



| Order No. | Type     | Accessories 附件                   | Price | Order No. | Type     | Accessories 附件                        | Price |
|-----------|----------|----------------------------------|-------|-----------|----------|---------------------------------------|-------|
| A1351010  | JXT16-40 | 1个快换装置                           |       | A1351110  | JXT25-50 | 1个快换装置                                |       |
|           |          | 1个夹头体及8支夹头 (4,5,6,8,10,12,14,16) |       |           |          | 1个夹头体及9支夹头 (6,8,10,12,14,16,18,20,25) |       |
|           |          | 1个莫氏1号中间套                        |       |           |          | 1个莫氏2号中间套                             |       |
|           |          | 1个莫氏2号中间套                        |       |           |          | 1个莫氏3号中间套                             |       |
|           |          | 1个莫氏3号中间套                        |       |           |          | 1个莫氏4号中间套                             |       |
|           |          | 1个B12钻接杆                         |       |           |          | 1个B16钻接杆                              |       |
|           |          | 1个端面铣刀杆                          |       |           |          | 1个端面铣刀杆                               |       |
|           |          | 1个勾头扳手                           |       |           |          | 1个勾头扳手                                |       |

▼A1361010-A1361510 订单号Order NO.

刚性伸缩浮动攻丝夹头刀柄  
 ER FLOATING TAP COLLET CHUCK



| Order NO. | Type 规格            | Collet Series | D     | L      | Compression F1 | Extension F2 | Price |
|-----------|--------------------|---------------|-------|--------|----------------|--------------|-------|
| A1361010  | CAT40-TER16-3.02"  | ER16          | 1.1"  | 3.02"  | 0.197"         | 0.315"       |       |
| A1361110  | CAT40-TER20-3.386" | ER20          | 1.34" | 3.386" | 0.197"         | 0.315"       |       |
| A1361210  | CAT40-TER32-3.543" | ER32          | 1.65" | 3.543" | 0.197"         | 0.315"       |       |
| A1361310  | BT40-TER16-3.031"  | ER16          | 1.1"  | 3.031" | 0.197"         | 0.315"       |       |
| A1361410  | BT40-TER20-3.386"  | ER20          | 1.34" | 3.543" | 0.197"         | 0.315"       |       |
| A1361510  | BT40-TER32-3.543"  | ER20          | 1.65" | 3.543" | 0.197"         | 0.315"       |       |



快换刀架系列

▼A1371010-A1371114 订单号Order NO.

QUICK CHANGE TOOL POST SET



PISTON STYLE



WEDGE STYLE

- 产品工作表面热处理和精磨  
 All working parts hardened and ground
- 可进行车外圆、车端面、切槽、切断、滚花、钻铰孔、镗孔等加工  
 It can finish cylindrical facing, end facing, cutting drilling, reaming, boring as well as other processing
- 可机外装刀, 替代传统四方刀架, 实现快速车削的理想产品.  
 It realizes to mount tool outside the machine tool  
 It is satisfactory accessories in place of square turrets
- 产品换刀迅速, 定位精度高, 刚性强等特点。  
 It has exchange tool quickly, high precision, rigidity strong etc

活塞式快换刀架套装: 1个刀架、5个刀夹 Piston Type Post Sets: 1 Tool Post, 5 Tool-holders

| Order NO. | Type 规格   | 套装组成 SET INCLUDES  | 重量N.W/KG | Price |
|-----------|-----------|--|----------|-------|
| A1371010  | JH-100-00 | JH20-100, JH20-101, JH20-102, JH20-104, JH20-107, JH20-110 | 5        |       |
| A1371011  | JH-200-00 | JH20-200, JH20-201, JH20-202, JH20-204, JH20-207, JH20-210 | 7.85     |       |
| A1371012  | JH-300-00 | JH20-300, JH20-301, JH20-302, JH20-304, JH20-307, JH20-310 | 11.33    |       |
| A1371013  | JH-400-00 | JH20-400, JH20-401, JH20-402, JH20-404, JH20-407, JH20-410 | 20.76    |       |

楔式快换刀架套装: 1个刀架、5个刀夹 Wedge Type Post Sets: 1 Tool Post, 5 Tool-holders

| Order NO. | Type 规格   | 套装组成 SET INCLUDES  | 重量N.W/KG | Price |
|-----------|-----------|--|----------|-------|
| A1371110  | JH-000-00 | JH20-000, JH20-001, JH20-002, JH20-004, JH20-007, JH20-010 | 3.5      |       |
| A1371111  | JH-111-00 | JH20-111, JH20-101, JH20-102, JH20-104, JH20-107, JH20-110 | 5        |       |
| A1371112  | JH-222-00 | JH20-222, JH20-201, JH20-202, JH20-204, JH20-207, JH20-210 | 7.85     |       |
| A1371113  | JH-333-00 | JH20-333, JH20-301, JH20-302, JH20-304, JH20-307, JH20-310 | 11.33    |       |
| A1371114  | JH-444-00 | JH20-444, JH20-401, JH20-402, JH20-404, JH20-407, JH20-410 | 20.76    |       |



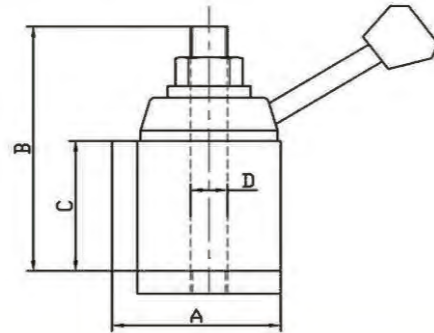


### 活塞式夹紧刀架

▼A1351010-A1351013 订单号 Order NO.

QUICK CHANGE TOOL POST (PISTON STYLE)

- 产品工作表面热处理和精磨  
All working parts hardened and ground
- 产品精密设计, 确保了重复定位精度。  
Both are precision engineered to assure repetitive accuracy



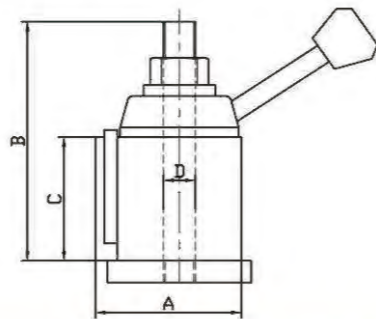
| Order NO. | Type 规格  | A(in) | B(in) | C(in) | D(in) | M       | Swing Dia 回转直径 | N.W KG | Price |
|-----------|----------|-------|-------|-------|-------|---------|----------------|--------|-------|
| A1381010  | JH20-100 | 2-1/2 | 3-7/8 | 2-1/4 | 9/16  | M14X1.5 | 12             | 2.23   |       |
| A1381011  | JH20-200 | 3     | 4-5/8 | 2-3/4 | 5/8   | M16X1.5 | 10~15          | 4      |       |
| A1381012  | JH20-300 | 3-3/8 | 5-1/8 | 3     | 3/4   | M20X2   | 13~18          | 5.72   |       |
| A1381013  | JH20-400 | 4     | 6-1/4 | 3-5/8 | 7/8   | M22X2   | 14~20          | 10     |       |

### 楔式快换刀架

▼A1361010-A1361014 订单号 Order NO.

QUICK CHANGE TOOL POST (WEDGE STYLE)

- 产品工作表面热处理和精磨  
All working parts hardened and ground
- 产品精密设计, 确保了重复定位精度。  
Both are precision engineered to assure repetitive accuracy



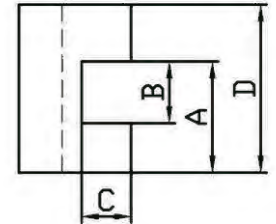
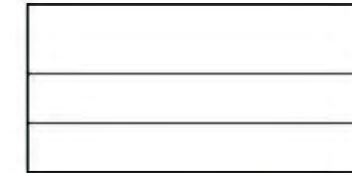
| Order NO. | Type 规格  | A(in) | B(in)   | C(in)  | D(in) | M           | Swing Dia 回转直径 | N.W KG | Price |
|-----------|----------|-------|---------|--------|-------|-------------|----------------|--------|-------|
| A1391010  | JH20-000 | 1-3/4 | 2-15/16 | 1-9/16 | 3/8   | M10X1.5     | 8              | 1.56   |       |
| A1391011  | JH20-111 | 2-1/2 | 3-7/8   | 2-1/4  | 9/16  | 9/16"-18UNF | 12             | 2.23   |       |
| A1391012  | JH20-222 | 3     | 4-5/8   | 2-3/4  | 5/8   | 5/8"-18UNF  | 10~15          | 4      |       |
| A1391013  | JH20-333 | 3-3/8 | 5-1/8   | 3      | 3/4   | 3/4"-16UNF  | 13~18          | 5.72   |       |
| A1391014  | JH20-444 | 4     | 6-1/4   | 3-5/8  | 7/8   | 7/8"-14UNF  | 14~20          | 10     |       |



### 车削刀夹

▼A1401010-A1401014 订单号 Order NO.

TURNING AND FACING HOLDER



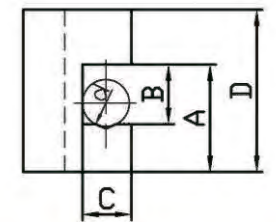
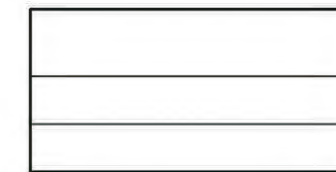
| Order NO. | Type 规格  | A(in)   | B(in) | C(in) | D(in) | Capacity Tool Bit (in) 夹持刀柄范围 | N.W KG | Price |
|-----------|----------|---------|-------|-------|-------|-------------------------------|--------|-------|
| A1401010  | JH20-001 | 0.66    | 0.5   | 0.327 | 1.1   | 3/16-1/2                      | 0.28   |       |
| A1401011  | JH20-101 | 1       | 1/2   | 29/64 | 1-1/2 | 3/16-1/2                      | 0.4    |       |
| A1401012  | JH20-201 | 1-1/8   | 5/8   | 1/2   | 1-3/4 | 1/4-5/8                       | 0.7    |       |
| A1401013  | JH20-301 | 1-7/16  | 3/4   | 5/8   | 2-1/8 | 1/2-3/4                       | 1.11   |       |
| A1401014  | JH20-401 | 1-23/32 | 1     | 3/4   | 2-1/2 | 1/2-1                         | 1.75   |       |

### 车镗削用刀夹

▼A1421010-A1421014 订单号 Order NO.

TURNING, BORING AND FACING HOLDER

- V型槽用来夹持圆柄镗杆及刀具, 也可装方体车刀, 进行端面、外圆、镗孔等切削加工  
V groove hold round shank boring bars and tools as well as square tool bits to machine end face, external, cutting, boring etc



| Order NO. | Type 规格  | A(in)   | B(in) | C(in) | D(in) | Capacity Tool Bit (in) 夹持刀柄范围 | N.W KG | Price |
|-----------|----------|---------|-------|-------|-------|-------------------------------|--------|-------|
| A1411010  | JH20-002 | 0.66    | 0.5   | 0.327 | 1.1   | 3/16-1/2                      | 0.28   |       |
| A1411011  | JH20-102 | 1       | 1/2   | 29/64 | 1-1/2 | 3/16-1/2                      | 0.4    |       |
| A1411012  | JH20-202 | 1-1/8   | 5/8   | 1/2   | 1-3/4 | 1/4-5/8                       | 0.7    |       |
| A1411013  | JH20-302 | 1-7/16  | 3/4   | 5/8   | 2-1/8 | 1/2-3/4                       | 1.11   |       |
| A1411014  | JH20-402 | 1-23/32 | 1     | 3/4   | 2-1/2 | 1/2-1                         | 1.75   |       |





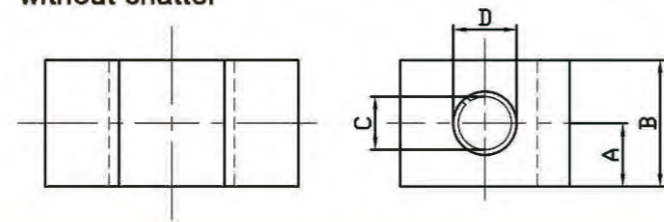
**强力镗削刀夹**

▼A1421010-A1421018 订单号 Order NO.

HEAVY DUTY BORING BAR HOLDER



- 采用直柄钻头和圆柄刀具，可进行钻孔、扩孔、镗孔等切削加工，通过胀套可调整镗杆直径，刚性好、切削时不发生颤动  
 Use straight shank drilling and reaming, boring etc, Equipped with a split bushing to accommodate a boring bar of small diameter. It grips with extreme rigidity. Cuts smoothly without chatter



| Order NO. | Type 规格  | A(in) | B(in) | C(in) | D(in) | N.W KG | Price |
|-----------|----------|-------|-------|-------|-------|--------|-------|
| A1421010  | JH20-004 | 0.47  | 1.18  | 3/8   | 1/2   | 0.63   |       |
| A1421011  | JH20-104 | 3/4   | 1-1/2 | 5/8   | 3/4   | 0.9    |       |
| A1421012  | JH20-204 | 7/8   | 1-3/4 | 3/4   | 1     | 1.52   |       |
| A1421013  | JH20-304 | 1     | 2.00  | 3/4   | 1     | 2.16   |       |
| A1421014  | JH20-404 | 1-1/4 | 2-1/2 | 1     | 1-1/4 | 3.47   |       |
| A1421015  | JH20-141 | 7/8   | 1-3/4 | 3/4   | 1     | 1.35   |       |
| A1421016  | JH20-241 | 1     | 2     | 1     | 1-1/4 | 2.12   |       |
| A1421017  | JH20-341 | 1-1/8 | 2-1/4 | 1     | 1-1/4 | 3.05   |       |
| A1421018  | JH20-441 | 1-3/8 | 2-3/4 | 1-1/4 | 1-1/2 | 4.35   |       |

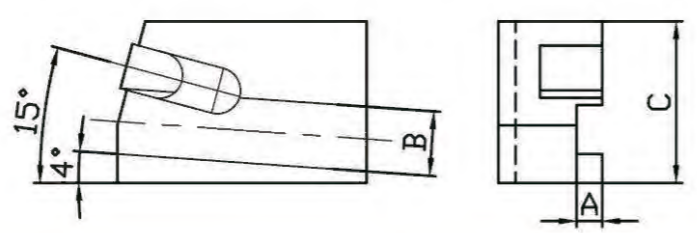
**切断刀夹**

▼A1431010-A1431015 订单号 Order NO.

UNIVERSAL PARTING BLADE TOOL HOLDER



- 装方体车刀进行切槽，切断等加工  
 Use square tool to make slot cut off etc



| Order NO. | Type 规格       | A(in) | B(in) | C(in) | D(in)  | Blade height (in) 刀片高度 | N.W KG | Price |
|-----------|---------------|-------|-------|-------|--------|------------------------|--------|-------|
| A1431010  | JH20-007      | 0.126 | 0.55  | 1.38  | 13/16  | 1/2                    | 0.37   |       |
| A1431011  | JH20-007 (0°) | 0.126 | 0.55  | 1.38  | 5/8    | 1/2                    | 0.37   |       |
| A1431012  | JH20-107      | 3/16  | 1/2   | 1-1/2 | 13/16  | 1/2                    | 0.53   |       |
| A1431013  | JH20-207      | 3/16  | 11/16 | 1-3/4 | 1      | 11/16                  | 0.9    |       |
| A1431014  | JH20-307      | 3/16  | 3/4   | 2     | 1-3/16 | 3/4                    | 1.2    |       |
| A1431015  | JH20-407      | 1/4   | 7/8   | 2-1/2 | 1-7/16 | 7/8                    | 1.82   |       |



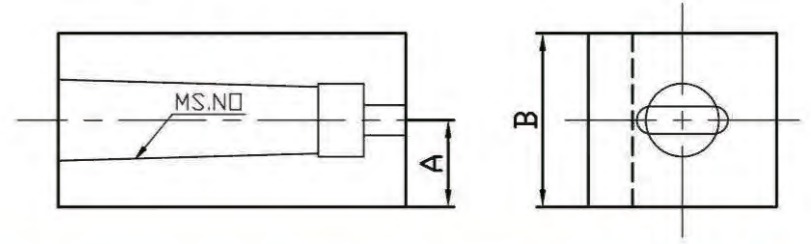
**钻削莫氏锥孔刀夹**

▼A1441010-A1441018 订单号 Order NO.

MORSE TAPER HOLDER FOR DRILLING



- 此刀夹可代替尾座夹持锥度钻头进行钻削加工  
 Drills with carriage by using power feed instead of tail stock easily centered or morse taper drills



| Order NO. | Type 规格  | A(in)  | B(in) | MS.NO 莫氏锥号 | N.W KG | Price |
|-----------|----------|--------|-------|------------|--------|-------|
| A1441010  | JH20-005 | 0.47   | 1.25  | MS2        | 0.63   |       |
| A1441011  | JH20-105 | 3/4    | 1-1/2 | MS2        | 0.9    |       |
| A1441012  | JH20-205 | 7/8    | 1-3/4 | MS2        | 1.4    |       |
| A1441013  | JH20-305 | 1      | 2.00  | MS3        | 2.3    |       |
| A1441014  | JH20-405 | 1-1/4  | 2-1/2 | MS3        | 3      |       |
| A1441015  | JH20-153 | 7/8    | 1-1/2 | MS3        | 1      |       |
| A1441016  | JH20-253 | 1      | 1-3/4 | MS3        | 1.43   |       |
| A1441017  | JH20-354 | 1-1/16 | 2-1/8 | MS4        | 2.45   |       |
| A1441018  | JH20-454 | 1-1/4  | 2-1/2 | MS4        | 3.3    |       |

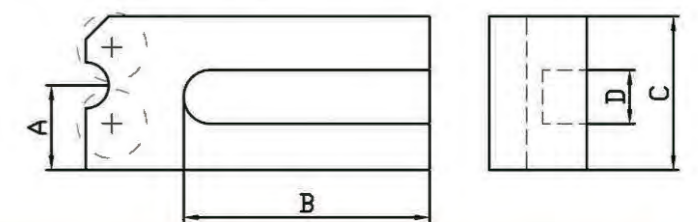
**滚花车削用刀夹**

▼A1451010-A1451014 订单号 Order NO.

KNURLING, TURNING AND FACING HOLDER



- 此刀夹可用来滚花，如装上方体车刀，可进行端面，镗孔等切削加工  
 It may be used for knurling, if square tool is used, it may process end face, external cutting, boring etc



| Order NO. | Type 规格  | A(in)  | B(in) | C(in)  | Clamping range (in) 夹持范围 | Capacity Tool Bit (in) 夹持刀柄范围 | N.W KG | Price |
|-----------|----------|--------|-------|--------|--------------------------|-------------------------------|--------|-------|
| A1451010  | JH20-010 | 0.53   | 1.77  | 1.1    | 3/16-1/2                 | 1/2 x 3/16 x 3/16             | 0.34   |       |
| A1451011  | JH20-110 | 7/8    | 2-1/2 | 1-9/16 | 3/16-1/2                 | 3/4 x 3/8 x 1/4               | 0.48   |       |
| A1451012  | JH20-210 | 1      | 2-5/8 | 1-3/4  | 1/4-5/8                  |                               | 0.85   |       |
| A1451013  | JH20-310 | 1-3/16 | 3-1/8 | 2      | 1/2-3/4                  |                               | 1.15   |       |
| A1451014  | JH20-410 | 1-7/16 | 3-3/4 | 2-1/2  | 1/2-1                    |                               | 1.95   |       |





**BT/ER套装铣夹头**

▼A1461010-A1461515 订单号 Order NO.

COLLET CHUCK KIT WITH BT TAPER SHANK



| Order NO. | Type 规格       | Clamping range 夹持范围 | Collet 筒夹   | Price |
|-----------|---------------|---------------------|---|-------|
| A1461010  | BT30×ER11×7只  | 1-7mm               | Φ1、Φ2、Φ3、Φ4、Φ5、Φ6、Φ7  |       |
| A1461011  | BT40×ER11×7只  |                     |   |       |
| A1461012  | BT50×ER11×7只  |                     |   |       |
| A1461013  | BT30×ER11×13只 | 1+0.5-7mm           | Φ1、Φ1.5、Φ2、Φ2.5、Φ3、Φ3.5、Φ4、Φ4.5、Φ5、Φ5.5、Φ6、Φ6.5、Φ7                                    |       |
| A1461014  | BT40×ER11×13只 |                     |   |       |
| A1461015  | BT50×ER11×13只 |                     |   |       |
| A1461110  | BT30×ER16×10只 | 1-10mm              | Φ1、Φ2、Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10  |       |
| A1461111  | BT40×ER16×10只 |                     |   |       |
| A1461112  | BT50×ER16×10只 |                     |   |       |
| A1461113  | BT30×ER16×8只  | 3-10mm              | Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10  |       |
| A1461114  | BT40×ER16×8只  |                     |   |       |
| A1461115  | BT50×ER16×8只  |                     |   |       |
| A1461210  | BT30×ER20×12只 | 2-13mm              | Φ2、Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13   |       |
| A1461211  | BT40×ER20×12只 |                     |   |       |
| A1461212  | BT50×ER20×12只 |                     |   |       |
| A1461213  | BT30×ER20×10只 | 4-13mm              | Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13   |       |
| A1461214  | BT40×ER20×10只 |                     |   |       |
| A1461215  | BT50×ER20×10只 |                     |   |       |
| A1461310  | BT30×ER25×15只 | 2-16mm              | Φ2、Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13、Φ14、Φ15、Φ16                                   |       |
| A1461311  | BT40×ER25×15只 |                     |   |       |
| A1461312  | BT50×ER25×15只 |                     |   |       |
| A1461313  | BT30×ER25×7只  | 4-16mm              | Φ4、Φ6、Φ8、Φ10、Φ12、Φ16  |       |
| A1461314  | BT40×ER25×7只  |                     |   |       |
| A1461315  | BT50×ER25×7只  |                     |   |       |
| A1461410  | BT30×ER32×18只 | 3-20mm              | Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13、Φ14、Φ15、Φ16、Φ17、Φ18、Φ19、Φ20                      |       |
| A1461411  | BT40×ER32×18只 |                     |   |       |
| A1461412  | BT50×ER32×18只 |                     |   |       |
| A1461413  | BT30×ER32×6只  | 6-20mm              | Φ6、Φ8、Φ10、Φ12、Φ16、Φ20   |       |
| A1461414  | BT40×ER32×6只  |                     |   |       |
| A1461415  | BT50×ER32×6只  |                     |   |       |
| A1461510  | BT40×ER40×23只 | 4-26mm              | Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13、Φ14、Φ15、Φ16、Φ17、Φ18、Φ19、Φ20、Φ21、Φ22、Φ23、Φ24、Φ25、Φ26 |       |
| A1461511  | BT50×ER40×23只 |                     |   |       |
| A1461512  | BT40×ER40×15只 | 4-26mm              | Φ4、Φ5、Φ6、Φ8、Φ10、Φ12、Φ13、Φ15、Φ16、Φ18、Φ20、Φ21、Φ22、Φ25、Φ26                               |       |
| A1461513  | BT50×ER40×15只 |                     |   |       |
| A1461514  | BT40×ER40×7只  | 6-25mm              | Φ6、Φ8、Φ10、Φ12、Φ16、Φ20、Φ25   |       |
| A1461515  | BT50×ER40×7只  |                     |   |       |



**NT/ER套装铣夹头**

▼A1471010-A1471512 订单号 Order NO.

NT/ER MILLING CHUCK SET



| Order NO. | Type 规格       | Clamping range 夹持范围 | Collet 筒夹  | Price |
|-----------|---------------|---------------------|--|-------|
| A1471010  | NT30×ER11×7只  | 1-7mm               | Φ1、Φ2、Φ3、Φ4、Φ5、Φ6、Φ7   |       |
| A1471011  | NT40×ER11×7只  |                     |  |       |
| A1471012  | NT30×ER11×13只 |                     |  |       |
| A1471013  | NT40×ER11×13只 | 1+0.5-7mm           | Φ1、Φ1.5、Φ2、Φ2.5、Φ3、Φ3.5、Φ4、Φ4.5、Φ5、Φ5.5、Φ6、Φ6.5、Φ7               |       |
| A1471110  | NT30×ER16×10只 |                     |  |       |
| A1471111  | NT40×ER16×10只 |                     |  |       |
| A1471112  | NT30×ER16×8只  | 1-10mm              | Φ1、Φ2、Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10                                   |       |
| A1471113  | NT40×ER16×8只  |                     |  |       |
| A1471210  | NT30×ER20×12只 |                     |  |       |
| A1471211  | NT40×ER20×12只 | 2-13mm              | Φ2、Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13                          |       |
| A1471212  | NT30×ER20×10只 |                     |  |       |
| A1471213  | NT40×ER20×10只 |                     |  |       |
| A1471214  | NT30×ER20×10只 | 4-13mm              | Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13                                |       |
| A1471310  | NT30×ER25×15只 |                     |  |       |
| A1471311  | NT40×ER25×15只 |                     |  |       |
| A1471312  | NT30×ER25×6只  | 2-16mm              | Φ2、Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13、Φ14、Φ15、Φ16              |       |
| A1471313  | NT40×ER25×6只  |                     |  |       |
| A1471410  | NT30×ER32×18只 |                     |  |       |
| A1471411  | NT40×ER32×18只 | 4-16mm              | Φ4、Φ6、Φ8、Φ10、Φ12、Φ16   |       |
| A1471412  | NT30×ER32×6只  |                     |  |       |
| A1471413  | NT40×ER32×6只  |                     |  |       |
| A1471414  | NT30×ER32×18只 | 3-20mm              | Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13、Φ14、Φ15、Φ16、Φ17、Φ18、Φ19、Φ20 |       |
| A1471415  | NT40×ER32×18只 |                     |  |       |
| A1471416  | NT30×ER32×6只  |                     |  |       |
| A1471417  | NT40×ER32×6只  | 6-20mm              | Φ6、Φ8、Φ10、Φ12、Φ16、Φ20  |       |
| A1471510  | NT40×ER40×23只 |                     |  |       |
| A1471511  | NT40×ER40×15只 |                     |  |       |
| A1471512  | NT40×ER40×7只  | 4-26mm              | Φ4、Φ5、Φ6、Φ8、Φ10、Φ12、Φ13、Φ15、Φ16、Φ18、Φ20、Φ21、Φ22、Φ25、Φ26          |       |
| A1471513  | NT40×ER40×7只  |                     |  |       |
| A1471514  | NT40×ER40×7只  | 6-25mm              | Φ6、Φ8、Φ10、Φ12、Φ16、Φ20、Φ25  |       |
| A1471515  | NT40×ER40×7只  |                     |  |       |





MT/ER 套装铣夹头

▼ A1481010-A1481512 订单号 Order NO.

MT/ER MILLING CHUCK SET



| Order NO. | Type 规格      | Clamping range 夹持范围 | Collet 筒夹   | Price |
|-----------|--------------|---------------------|---|-------|
| A1481010  | MT2×ER11×7只  | 1-7mm               | Φ1、Φ2、Φ3、Φ4、Φ5、Φ6、Φ7  |       |
| A1481011  | MT3×ER11×7只  |                     |   |       |
| A1481012  | MT4×ER11×7只  |                     |   |       |
| A1481013  | MT2×ER11×13只 | 1+0.5-7mm           | Φ1、Φ1.5、Φ2、Φ2.5、Φ3、Φ3.5、Φ4、Φ4.5、Φ5、Φ5.5、Φ6、Φ6.5、Φ7                                    |       |
| A1481014  | MT3×ER11×13只 |                     |   |       |
| A1481015  | MT4×ER11×13只 |                     |   |       |
| A1481110  | MT2×ER16×10只 | 1-10mm              | Φ1、Φ2、Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10  |       |
| A1481111  | MT3×ER16×10只 |                     |   |       |
| A1481112  | MT4×ER16×10只 |                     |   |       |
| A1481113  | MT2×ER16×8只  | 3-10mm              | Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10  |       |
| A1481114  | MT3×ER16×8只  |                     |   |       |
| A1481115  | MT4×ER16×8只  |                     |   |       |
| A1481210  | MT2×ER20×12只 | 2-13mm              | Φ2、Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13   |       |
| A1481211  | MT3×ER20×12只 |                     |   |       |
| A1481212  | MT4×ER20×12只 |                     |   |       |
| A1481213  | MT2×ER20×10只 | 4-13mm              | Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13   |       |
| A1481214  | MT3×ER20×10只 |                     |   |       |
| A1481215  | MT4×ER20×10只 |                     |   |       |
| A1481310  | MT2×ER25×15只 | 2-16mm              | Φ2、Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13、Φ14、Φ15、Φ16                                   |       |
| A1481311  | MT3×ER25×15只 |                     |   |       |
| A1481312  | MT4×ER25×15只 |                     |   |       |
| A1481313  | MT2×ER25×7只  | 4-16mm              | Φ4、Φ6、Φ8、Φ10、Φ12、Φ16  |       |
| A1481314  | MT3×ER25×7只  |                     |   |       |
| A1481315  | MT4×ER25×7只  |                     |   |       |
| A1481410  | MT2×ER32×18只 | 3-20mm              | Φ3、Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13、Φ14、Φ15、Φ16、Φ17、Φ18、Φ19、Φ20                      |       |
| A1481411  | MT3×ER32×18只 |                     |   |       |
| A1481412  | MT4×ER32×18只 |                     |   |       |
| A1481413  | MT2×ER32×6只  | 6-20mm              | Φ6、Φ8、Φ10、Φ12、Φ16、Φ20   |       |
| A1481414  | MT3×ER32×6只  |                     |   |       |
| A1481415  | MT4×ER32×6只  |                     |   |       |
| A1481510  | MT4×ER40×23只 | 4-26mm              | Φ4、Φ5、Φ6、Φ7、Φ8、Φ9、Φ10、Φ11、Φ12、Φ13、Φ14、Φ15、Φ16、Φ17、Φ18、Φ19、Φ20、Φ21、Φ22、Φ23、Φ24、Φ25、Φ26 |       |
| A1481511  | MT4×ER40×15只 | 4-26mm              | Φ4、Φ5、Φ6、Φ8、Φ10、Φ12、Φ13、Φ15、Φ16、Φ18、Φ20、Φ21、Φ22、Φ25、Φ26                               |       |
| A1481512  | MT4×ER40×7只  | 6-25mm              | Φ6、Φ8、Φ10、Φ12、Φ16、Φ20、Φ25   |       |



BT/SC 强力套装铣夹头

▼ A1491010-A1491312 订单号 Order NO.

BT/SC MILLING CHUCK SET



| Order NO. | Type 规格      | 夹持范围 Clamping range | Collet 筒夹                     | Price |
|-----------|--------------|---------------------|-------------------------------|-------|
| A1491010  | BT30×SC20×5只 | 6-16mm              | Φ6、Φ8、Φ10、Φ12、Φ16             |       |
| A1491011  | BT40×SC20×5只 |                     |                               |       |
| A1491012  | BT50×SC20×5只 |                     |                               |       |
| A1491110  | BT30×SC25×7只 | 4-20mm              | Φ4、Φ6、Φ8、Φ10、Φ12、Φ16、Φ20      |       |
| A1491111  | BT40×SC25×7只 |                     |                               |       |
| A1491112  | BT50×SC25×7只 |                     |                               |       |
| A1491210  | BT30×SC32×7只 | 6-25mm              | Φ6、Φ8、Φ10、Φ12、Φ16、Φ20、Φ25、    |       |
| A1491211  | BT40×SC32×7只 |                     |                               |       |
| A1491212  | BT50×SC32×7只 |                     |                               |       |
| A1491310  | BT30×SC42×8只 | 6-32mm              | Φ6、Φ8、Φ10、Φ12、Φ16、Φ20、Φ25、Φ32 |       |
| A1491311  | BT40×SC42×8只 |                     |                               |       |
| A1491312  | BT50×SC42×8只 |                     |                               |       |





NT/SC强力套装铣夹头

▼ A1501010-A1501312 订单号 Order NO.

NT/SC MILLING CHUCK SET



| Order NO. | Type 规格      | Clamping range 夹持范围 | Collet 筒夹                     | Price |
|-----------|--------------|---------------------|-------------------------------|-------|
| A1501010  | NT30×SC20×5只 | 6-16mm              | Φ6、Φ8、Φ10、Φ12、Φ16             |       |
| A1501011  | NT40×SC20×5只 |                     |                               |       |
| A1501012  | NT50×SC20×5只 |                     |                               |       |
| A1501110  | NT30×SC25×7只 | 4-20mm              | Φ4、Φ6、Φ8、Φ10、Φ12、Φ16、Φ20      |       |
| A1501111  | NT40×SC25×7只 |                     |                               |       |
| A1501112  | NT50×SC25×7只 |                     |                               |       |
| A1501210  | NT30×SC32×7只 |                     |                               |       |
| A1501211  | NT40×SC32×7只 | 6-25mm              | Φ6、Φ8、Φ10、Φ12、Φ16、Φ20、Φ25、    |       |
| A1501212  | NT50×SC32×7只 |                     |                               |       |
| A1501310  | NT30×SC42×8只 |                     |                               |       |
| A1501311  | NT40×SC42×8只 | 6-32mm              | Φ6、Φ8、Φ10、Φ12、Φ16、Φ20、Φ25、Φ32 |       |
| A1501312  | NT50×SC42×8只 |                     |                               |       |



OZ套装铣夹头

▼ A1511010-A1511711 订单号 Order NO.

OZ MILLING COLLET CHUCK SET



| Order No. | Collets Size OZ-25 |  | Pieces | N.W. (kg) | Price |
|-----------|--------------------|--|--------|-----------|-------|
|           | TAPER              | COLLETS  |        |           |       |
| A1511010  | NT30               | Inch<br>1/8"-1"15PCS<br>1/4"-1"7PCS<br><br>Metric<br>3mm-25mm 15pcs<br>6mm-25mm 7pcs | 7      | 3.7       |       |
| A1511011  |                    |  | 15     | 5.2       |       |
| A1511110  | NT40               |  | 7      | 4         |       |
| A1511111  |                    |  | 15     | 5.5       |       |
| A1511210  | NT50               |  | 7      | 6.5       |       |
| A1511211  |                    |  | 15     | 8.5       |       |
| A1511310  | MT3                |  | 7      | 3.7       |       |
| A1511311  |                    |  | 15     | 5.2       |       |
| A1511410  | MT4                |  | 7      | 3.9       |       |
| A1511411  |                    |  | 15     | 5.4       |       |
| A1511510  | MT5                |  | 7      | 4.7       |       |
| A1511511  |                    |  | 15     | 6.2       |       |
| A1511610  | R8                 |  | 7      | 3.7       |       |
| A1511611  |                    |  | 15     | 5.2       |       |
| A1511710  | BT40               |  | 7      | 5.5       |       |
| A1511711  | BT50               | 15   | 6.5    |           |       |





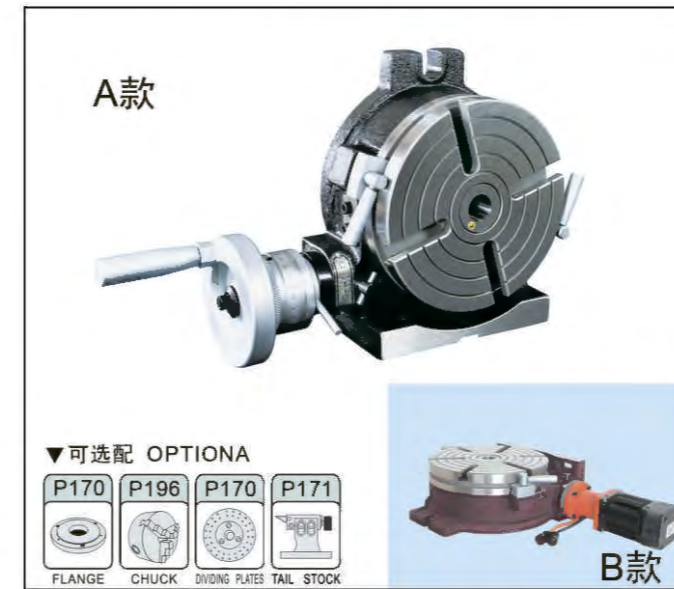
## 装配生产线 Assembly line



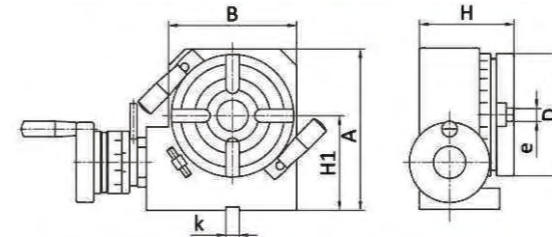
## 立卧两用回转工作盘

▼ B011010-B011810 订单号 Order NO.

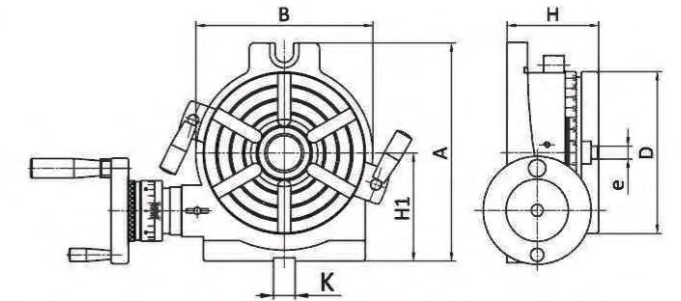
HORIZONTAL AND VERTICAL ROTARY TABLE



- 立卧回转盘是铣床的主要辅助工具，它设计合理广泛应用于圆周切削，完成曲面加工，角度面钻铣削。
- B款是在A款的基础上进行改进，实现电脑控制数控分度，也可以与数控机床实现联机。B款回转盘即保留了A款的功能，又增加了数控功能，为用户降
- These rotary tables are popular for their excellent performance practical design and reasonable cost they are widely used for circular work, angle setting, boring, spotfacing and similar work.
- B section is to improve on the basis of paragraph A, and computer Control CNC indexing, and CNC machine tools online. Section B rotary table that retained A paragraph added to the NC Functionality for users to reduce costs.



RT-HV3-RT-HV5



RT-HV6-RT-HV16

| Order NO. | Model   | Table        |               | Base Dimension |                |               | Width of T-Slot |      | Bolt Slots<br>K mm/in. | Center Taper | Worm Gear Ratio | N.W. (kg) | Price |
|-----------|---------|--------------|---------------|----------------|----------------|---------------|-----------------|------|------------------------|--------------|-----------------|-----------|-------|
|           |         | D mm/in.     | H mm/in.      | H1 mm/in.      | A mm/in.       | B mm/in.      | e mm/in.        | Type |                        |              |                 |           |       |
| B011010   | RT-HV3  | 90<br>3.54   | 80<br>3.14    | 65<br>2.56     | 115<br>4.52    | 95<br>3.54    | 10<br>0.39      | ⊕    | 12<br>0.47             | MT1          | 36:1            | 6.5       |       |
| B011110   | RT-HV4  | 110<br>4.33  | 87<br>3.42    | 85<br>3.35     | 145<br>5.71    | 115<br>4.53   | 12<br>0.47      | ⊕    | 12<br>0.47             | MT2          | 72:1            | 9         |       |
| B011210   | RT-HV5  | 127<br>5     | 85<br>3 11/32 | 90<br>3 35/64  | 160<br>6 19/64 | 135<br>5 5/16 | 12<br>15/32     | ⊕    | 12<br>15/32            | MT2          | 90:1            | 10.5      |       |
| B011310   | RT-HV6  | 150<br>5.91  | 85<br>3.35    | 100<br>3.93    | 200<br>7.87    | 160<br>6.29   | 12<br>0.47      | ⊕    | 16<br>0.63             | MT2          | 90:1            | 13        |       |
| B011410   | RT-HV8  | 200<br>7.87  | 105<br>4.13   | 135<br>5.31    | 265<br>10.43   | 220<br>8.66   | 14<br>0.55      | ⊕    | 16<br>0.63             | MT3          | 90:1            | 28        |       |
| B011510   | RT-HV10 | 250<br>9.84  | 118<br>4.63   | 165<br>6.49    | 325<br>12.79   | 280<br>11.02  | 14<br>0.55      | ⊕    | 16<br>0.63             | MT3          | 90:1            | 42        |       |
| B011610   | RT-HV12 | 300<br>11.81 | 135<br>5.31   | 195<br>7.68    | 391<br>15.39   | 330<br>12.99  | 16<br>0.63      | ⊕    |                        | MT4          | 90:1            | 72        |       |
| B011710   | RT-HV14 | 350<br>13.78 | 135<br>5.31   | 230<br>9.05    | 450<br>17.71   | 390<br>15.35  | 16<br>0.63      | ⊕    | 16<br>0.63             | MT4          | 90:1            | 90        |       |
| B011810   | RT-HV16 | 400<br>15.74 | 145<br>5.7    | 262<br>10.31   | 505<br>19.88   | 436<br>17.16  | 16<br>0.63      | ⊕    | 18<br>0.71             | MT4          | 90:1            | 120       |       |





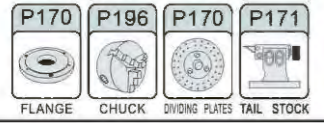
立卧两用回转分度盘

▼ B021010-B021810 订单号 Order NO.

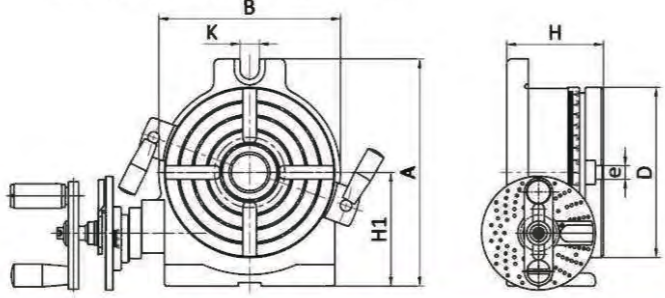
HORIZONTAL AND VERTICAL ROTARY TABLE



▼ 可选配 OPTIONA



- 立卧回转盘是铣床的主要辅助工具，它设计合理广泛应用于圆周切削，完成 曲面加工，角度面钻铣削。
- 每个规格的分度盘分别提供连接不同卡盘的法兰盘，作为特殊订货，并将法兰盘独立包装。
- 为特殊订货所提供的分度盘附件可实现由2至66间所有整数和由67到132间能被2, 3和5整除的所有整数的分度。
- These rotary tables are popular for their excellent performance practical design and reasonable cost they are widely used for circular work, angle setting, boring, spotfacing and similar work.
- A flange for connecting scroll chuck is special supplied, and be packed independent.
- For special order, the dividing plates accessory allows the operator to accurately divide the 360° rotation of the clamping surface into divisions of 2 through 66, and all divisible of 2, 3 and 5 from 67-132.



注：此图片为配置蜂巢板示意图。  
蜂巢板、尾座为此分度盘的附件需另行订购。  
Note: This image of the configuration of the dividing plates schematic.  
dividing plates, tailstock that end dividing head accessories to be ordered separately.

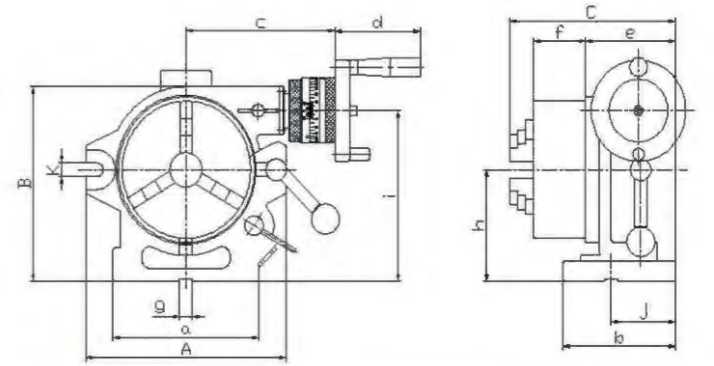
| Order NO. | Model   | Table           |                | Base Dimension |                 |                 | Width of T-Slot |      | Bolt Slots<br>K mm/in. | Morse Taper | Worm Gear Ratio | Dividing Plates | Tail Stock | Price |
|-----------|---------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|------|------------------------|-------------|-----------------|-----------------|------------|-------|
|           |         | D mm/in.        | H mm/in.       | H1 mm/in.      | A mm/in.        | B mm/in.        | e mm/in.        | Type |                        |             |                 |                 |            |       |
| B021010   | RT-HV3  | 90<br>3 35/64   | 80<br>3 19/64  | 65<br>2 9/16   | 115<br>4 17/32  | 95<br>3 35/64   | 10<br>25/64     | ⊕    | 12<br>15/32            | MT1         | 36:1            | DP-1            | TS-1       |       |
| B021110   | RT-HV4  | 110<br>4 21/64  | 87<br>3 27/64  | 85<br>3 11/32  | 145<br>5 45/64  | 115<br>4 17/32  | 12<br>15/32     | ⊕    | 12<br>15/32            | MT2         |                 |                 |            |       |
| B021210   | RT-HV5  | 127<br>5        | 85<br>3 11/32  | 90<br>3 35/64  | 160<br>6 19/64  | 135<br>5 5/16   | 12<br>15/32     | ⊕    | 12<br>15/32            | MT2         | 72:1            | DP-1            | TS-1       |       |
| B021310   | RT-HV6  | 150<br>5 19/32  | 85<br>3 11/32  | 100<br>3 15/16 | 200<br>7 7/8    | 160<br>6 19/64  | 12<br>15/32     | ⊕    | 16<br>5/8              | MT2         |                 |                 |            |       |
| B021410   | RT-HV8  | 200<br>7 7/8    | 105<br>4 9/64  | 135<br>5 5/16  | 265<br>10 7/16  | 220<br>8 21/32  | 14<br>35/64     | ⊕    | 16<br>5/8              | MT3         | 90:1            | DP1             | TS1        |       |
| B021510   | RT-HV10 | 250<br>9 27/32  | 118<br>4 41/64 | 165<br>6 1/2   | 325<br>12 51/64 | 280<br>11 1/32  | 14<br>35/64     | ⊕    | 16<br>5/8              | MT3         |                 |                 |            |       |
| B021610   | RT-HV12 | 300<br>11 13/16 | 135<br>5 5/16  | 195<br>7 43/64 | 391<br>15 25/64 | 330<br>12 63/64 | 14<br>35/64     | ⊕    | 16<br>5/8              | MT4         | DP-2            | TS-2            |            |       |
| B021710   | RT-HV14 | 350<br>13 25/32 | 135<br>5 5/16  | 230<br>9 1/16  | 450<br>17 23/32 | 390<br>15 23/64 | 14<br>35/64     | ⊕    | 16<br>5/8              | MT4         |                 |                 |            |       |
| B021810   | RT-HV16 | 400<br>15 3/4   | 145<br>5 45/64 | 262<br>10 5/16 | 505<br>19 7/8   | 436<br>17 11/64 | 14<br>35/64     | ⊕    | 16<br>5/8              | MT4         |                 |                 |            |       |



立卧两用强力型快速分度盘

▼ B031010-B031110 订单号 Order NO.

HORIZONTAL/VERTICAL SUPER INDEXING PLATES



| Standards Of Accuracy<br>For Simple Indexing And Super Indexing Spacer |                         |
|--|-------------------------|
| Testing Objective  | Tolerance mm/in. (Max.) |
| Parallelism of table surface to base                                   | 0.015<br>0.0006         |
| True Running Axial movement of table surface                           | 0.015<br>0.0006         |
| True running of center boss  | 0.01<br>0.0004          |
| Squareness of base to angle face per 12"                               | 0.02<br>0.0008          |
| Dividing accuracy individual spacing error                             | 45"                     |

▼ 可选配 OPTIONA



SPECIFICATIONS

| Model | Chuck              |                        |                      |                           | Face Plate         |                    |
|-------|--------------------|------------------------|----------------------|---------------------------|--------------------|--------------------|
|       | Outer Dia (mm/in.) | Thru Hole Dia (mm/in.) | Inner Jaw (mm/in.)   | Outer Jaw (mm/in.)        | Outer Dia (mm/in.) | Thickness (mm/in.) |
| CS-6  | 160<br>6 19/64     | 40<br>1 37/64          | 3~55<br>1/8~2 11/64  | 55~145<br>2 11/64~5 23/32 | 205<br>8 1/16      | 40<br>1 37/64      |
| CS-8  | 200<br>7 7/8       | 65<br>2 9/16           | 4~85<br>5/32~3 11/32 | 65~200<br>2 9/16~7 7/8    | 254<br>10          | 42<br>1 21/32      |

| Order NO. | Model | Guide Block (mm/in) | Turret Hole Dia (mm/in) | A (mm/in)       | B (mm/in)       | C (mm/in)      | a (mm/in)      | b (mm/in)      | c (mm/in)      | d (mm/in)     | e (mm/in)      | f (mm/in)     | g (mm/in) | h (mm/in)     | N.W. kg | Price |
|-----------|-------|---------------------|-------------------------|-----------------|-----------------|----------------|----------------|----------------|----------------|---------------|----------------|---------------|-----------|---------------|---------|-------|
| B031010   | CS-6  | 16<br>5/8           | 50<br>2                 | 250<br>9 55/64  | 246<br>9 11/64  | 207<br>8 5/32  | 182<br>7 11/64 | 140<br>5 1/2   | 186<br>7 21/64 | 93<br>3 21/32 | 112<br>4 13/32 | 65<br>2 9/16  | 16<br>5/8 | 130<br>5 7/64 | 48      |       |
| B031110   | CS-8  | 16<br>5/8           | 63<br>2 31/64           | 320<br>12 39/64 | 294<br>11 37/64 | 236<br>9 19/64 | 230<br>9 1/16  | 160<br>6 19/64 | 213<br>8 25/64 | 93<br>3 21/32 | 127<br>5       | 75<br>2 61/64 | 16<br>5/8 | 155<br>6 7/64 | 74      |       |





简易型立卧快速分度盘

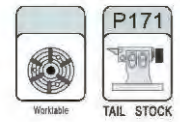
▼ B041010-B041110 订单号 Order NO.

SIMPLE HORIZONTAL/VERTICAL INDEXING PLATES



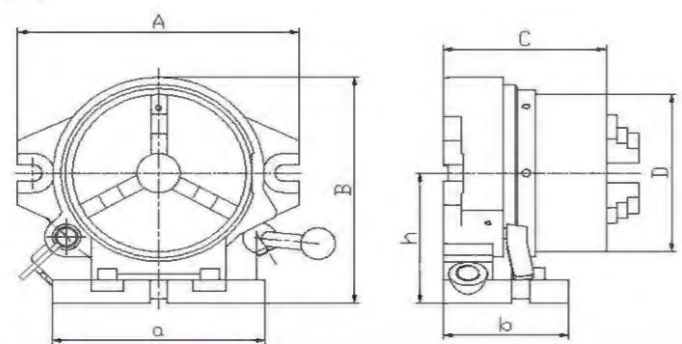
- 优质实心铸造。
  - 淬火磨削24位主分度盘。
  - 高精度主轴。
  - 强力主轴锁紧。
  - 按刻度360°任意分度。
  - 大孔经通孔主轴,适用于长型2件加工。
  - 楔式快速定位。
  - 可水平和垂直安装。
- Solid Meehanite casting, specially designed for milling drilling and boring
  - Hardened and ground 24 position master late
  - Precision ground steel spindle.
  - Heavy duty shoe type spindle brake ensuring maximum rigidity for milling cuts
  - 360° graduation ring
  - The center through hole is big to be suitable for the large and long workpiece
  - Used the key guide block, the center can be corrected both quickly and accurately
  - Horizontal and vertical mounting positings

▼ 可选配 OPTIONA



标准配件 Standard Accessories:

- 三爪卡盘 3-jaw chuck
- 六片屏蔽板(2,3,4,6, 8、12个位置)  
Six masking plates (2,3,4,6,8 and 12 position)



SPECIFICATIONS

| Order NO. | Model | Chuck              |                        |                      |                           | Guide Block (mm/in.) | Turret Hole Dia (mm/in.) | A (mm/in.)      | B (mm/in.)       | C (mm/in.)     | a (mm/in.)    | b (mm/in.)    | h (mm/in.)    | N.W. kg | Price |
|-----------|-------|--------------------|------------------------|----------------------|---------------------------|----------------------|--------------------------|-----------------|------------------|----------------|---------------|---------------|---------------|---------|-------|
|           |       | Outer Dia (mm/in.) | Thru Hole Dia (mm/in.) | Inner Jaw (mm/in.)   | Outer Jaw (mm/in.)        |                      |                          |                 |                  |                |               |               |               |         |       |
| B041010   | CC-6  | 160<br>6 5/16      | 40<br>1 9/16           | 3~55<br>1/8~2 11/64  | 55~145<br>2 11/64~5 23/32 | 16<br>5/8            | 50<br>1 31/32            | 260<br>10 15/64 | 227.5<br>8 61/64 | 152<br>5 63/64 | 196<br>7.71   | 115<br>4.53   | 130<br>5.12   | 32      |       |
| B041110   | CC-8  | 200<br>7 7/8       | 65<br>2 9/16           | 4~85<br>5/32~3 11/32 | 65~200<br>2 9/16~7 7/8    | 16<br>5/8            | 63<br>2 31/64            | 324<br>12 3/4   | 273<br>10 3/4    | 175<br>6 7/8   | 234<br>9 7/32 | 156<br>6 9/64 | 154<br>6 1/16 | 52      |       |



F11系列万能分度头

▼ B051010-B051210 订单号 Order NO.

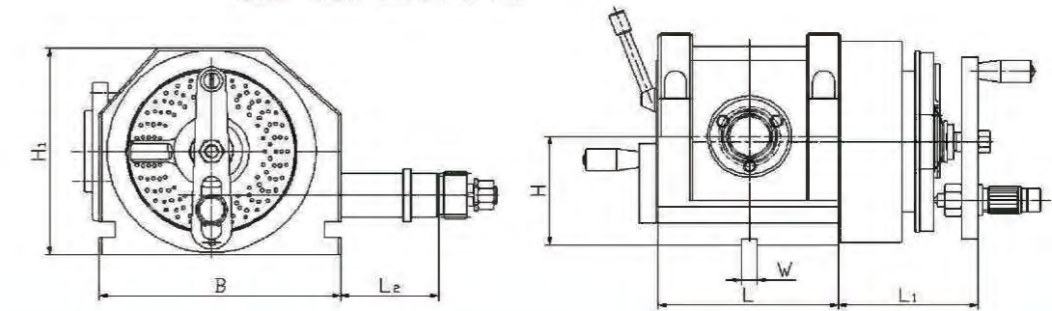
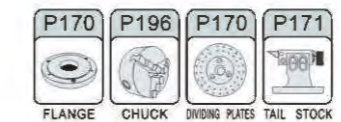
F11 SERIES UNIVERSAL DIVIDING HEAD



A款



B款



F11系列万能分度头安装尺寸参数:  
 Installation sketch and dimensions:  
 (见附表)

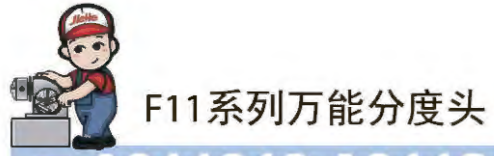
F11系列机械万能分度头,参照GB/T2554-2008标准,改进制造,性能符合标准要求。该产品是铣床的主要分度附件,也可以进行划线和分度验证。该产品可利用分度刻环和游标,定位销和分度盘以及交换齿轮将装卡在顶尖间或卡盘上的工件,进行任意分度和等分分度。可以辅助机床利用成形刀具进行沟槽,正齿轮,螺旋正齿轮,阿基米德螺线凸轮的铣加工。

B款是在A款的基础上进行改进,实现电脑控制数控分度,也可以与数控机床实现联机。B款分度头既保留了A款的功能,又增加了数控功能,为用户降低了成本。

F11 series of mechanical universal dividing head (A section), the SenateAccording to GB/T2554-2008 standards,improving manufacturing performance in line withStandard requirements. The product is the milling degree of attachmentCrossed and degree verification. The product can use indexingEngraved ring and cursor positioning pins and dial and change gearsWill be installed the card on the top or chuck any pointsAnd attainment indexing. Can be the use of auxiliary machine tool to shape the tool into the Trench line, spur gears, helical spur gears, spiral of Archimedes Milling of the cam.  
 B section is to improve on the basis of paragraph A, and computer Control CNC indexing, and CNC machine tools online.Section B dividing head that retained A paragraph added to the NC Functionality for users to reduce costs.

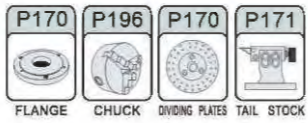
| Order NO. | Model   | B mm/in.    | H mm/in.    | H1 mm/in.   | L mm/in.   | L1 mm/in.  | L2 mm/in.   | W mm/in.   | N.W. kg | Price |
|-----------|---------|-------------|-------------|-------------|------------|------------|-------------|------------|---------|-------|
| B051010   | F11100A | 215<br>8.46 | 100<br>3.94 | 192<br>7.56 | 165<br>6.5 | 87<br>3.43 | 85<br>3.35  | 14<br>0.55 | 62      |       |
| B051110   | F11125A | 240<br>9.45 | 125<br>4.92 | 227<br>8.94 | 216<br>8.5 | 122<br>4.8 | 102<br>4.02 | 18<br>0.71 | 110     |       |
| B051210   | F11160A | 240<br>9.45 | 160<br>6.3  | 227<br>8.94 | 216<br>8.5 | 122<br>4.8 | 102<br>4.02 | 18<br>0.71 | 127     |       |





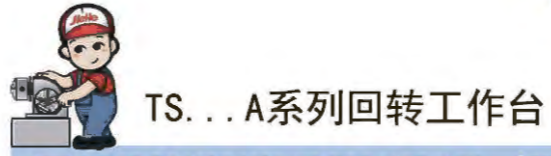
▼ A011010-A011210 订单号 Order NO.

F11 SERIES UNIVERSAL DIVIDING HEAD



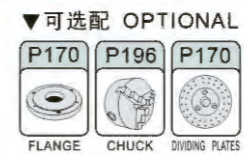
主要规格和参数 Main specifications

| 项目 Items  | 规格 Specifications | F11100                                      | F11125      | F11160      |
|---|-------------------|---|-------------|-------------|
| 中心高 Center height mm  |                   | 100   | 125         | 160         |
| 主轴由水平位置向上转动的角度 Swivel angle of spindle from its horizontal position (upward)                            |                   | ≤ 95°                                       |             |             |
| 主轴由水平位置向下转动的角度 Horizontal position (downward)   |                   | ≤ 5°  |             |             |
| 分度手轮每转，主轴回转角度 Rotating angle of spindle for one complete revolution of dividing handle                  |                   | 9° (540 grad., 1' each)                     |             |             |
| 游标最小示值 Min. reading of vernier  |                   | 10"   |             |             |
| 蜗杆副传动比 Worm gear ratio  |                   | 1:40  |             |             |
| 主轴孔锥度 (莫氏) Taper of spindle bore  |                   | MT3   | MT4         |             |
| 定位键宽度 Width of locating key mm  |                   | 14  | 18          |             |
| 主轴法兰盘定位短锥直径 Diameter of short taper of spindle nose for mounting flange mm                              |                   | Φ41.275                                     | Φ53.975     | Φ53.975     |
| 分度盘孔数   | 第一面 1st plate     | 24, 25, 28, 30, 34, 37, 38, 39, 41, 42, 43  |             |             |
| Hole numbers on index plate   | 第二面 2st plate     | 46, 47, 49, 51, 53, 54, 57, 58, 59, 62, 66  |             |             |
| 变换齿轮  | 模数 Module         | 1.5   | 2           |             |
| Change Gear   | 齿数 Teth Numbers   | 25, 30, 35, 40, 50, 55, 60, 70, 80, 90, 100 |             |             |
| 分度手柄一整转主轴单个分度误差 Individual indexing error of the spindle for one complete revolution of dividing handle |                   | 45"   |             |             |
| 主轴在任意1/4圆周上的累积误差 Cumulate error at any 1/4 periphery of spindle   |                   | ±1'   |             |             |
| 最大承载 Max. bearing kg  |                   | 100   | 130         | 130         |
| 净重 Net weight Kg  |                   | (63)67                                      | (104)110    | (120)130    |
| 毛重 Gross weight Kg  |                   | (75)79                                      | (120)126    | (139)149    |
| 箱体尺寸 Case dimensions mm   |                   | 616×465×265                                 | 635×530×310 | 710×535×420 |



▼ B061010-B061019 订单号 Order NO.

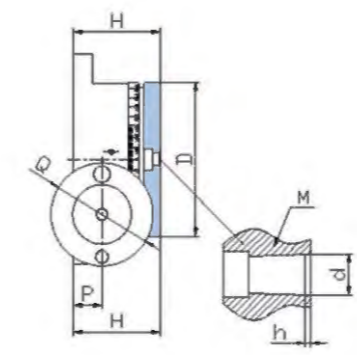
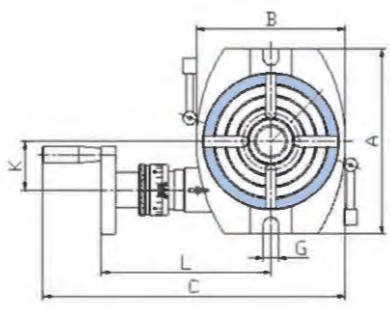
TS...A SERIES ROTARY TABLE



- TS...A系列卧式回转工作台是铣床、钻床上的主要附件之一，可用在铣床上进行分度钻孔或铣削、圆周切削、圆周曲面加工、平面及部分线段的直线加工。
- 每个规格的转台分别提供连接不同卡盘的法兰盘，作为特殊订货，并将法兰盘独立包装。
- 为特殊订货所提供的分度盘附件可实现由2至66间所有整数和由67到132间能被2, 3和5整除的所有整数的分度。

- The TS series horizontal rotary tables are for indexing, circular cutting, angle setting, boring, spot facing operations and similar work in conjunction with a milling machine or drilling machine.
- A flange for connecting scroll chuck is special supplied, and be packed independent.
- For special order, the dividing plates accessory allows the operator to accurately divide the 360° rotation of the clamping surface into divisions of 2 through 66, and all divisible of 2, 3 and 5 from 67-132.

| 规格 Specifications  | TS160A                 | TS200A      | TS250A      | TS320A                 | TS400A      | TS500A      | TS630A      | TS800A        | TS1000A       | TS1250A       |
|--|------------------------|-------------|-------------|------------------------|-------------|-------------|-------------|---------------|---------------|---------------|
| 项目 Items   |                        |             |             |                        |             |             |             |               |               |               |
| 工作台直径 Table diameter mm  | φ160                   | φ200        | φ250        | φ320                   | φ400        | φ500        | φ630        | φ800          | φ1000         | φ1250         |
| 台面中心孔锥度 (莫氏) Morse taper of the center hole                          | 2#                     | 3#          | 4#          | 5#                     | 6#          | -           |             |               |               |               |
| 台面定位孔直径 Diameter of the center hole mm                               | φ25×6                  | φ30×8       | φ40×10      | φ50×12                 | φ75×14      |             |             |               |               |               |
| 台面T型槽宽度 Width of T-slot mm   | 10                     | 12          | 14          | 18                     | 22          |             |             |               |               |               |
| 台面T型槽相邻角度 Adjacent angle of T-slot                                   | 90°                    | 60°         | 45°         |                        |             |             |             |               |               |               |
| 定位键宽度 Width of the locating key mm                                   | 12                     | 14          | 18          | -                      | -           | -           | -           | -             | -             | -             |
| 蜗轮副模数 Modules of worm and worm gear                                  | 1.5                    | 1.75        | 2           | 2.5                    | 3.5         | 4.5         | 5.5         | 5             |               |               |
| 蜗轮副传动比 Transmission ratio of the worm gear                           | 1: 90                  |             |             | 1: 120                 |             |             | 1: 180      |               |               |               |
| 工作台圆周刻度 Graduation of the table                                      | 360°                   |             |             |                        |             |             |             |               |               |               |
| 蜗轮每转所代表的转台度数 Rotating angle of table with one revolution of the worm | 4° (1' per graduation) |             |             | 3° (1' per graduation) |             |             | 2°          |               |               |               |
| 游标最小示值 Minimum value of vernier                                      | 10"                    |             |             |                        |             |             |             |               |               |               |
| 分度精度 Indexing accuracy   | 80"                    | 60"         |             |                        |             |             | 30"         |               |               |               |
| 工作台最大承载 Max. workload kg   | 100                    | 150         | 200         | 250                    | 300         | 550         | 700         | 1250          | 2000          | 3000          |
| 净重 Net weight Kg   | 16.5                   | 22.5        | 33.5        | 65                     | 125         | 215         | 345         | 800           | 1300          | 1900          |
| 毛重 Gross weight Kg   | 21.5                   | 31          | 44.5        | 76                     | 145         | 238         | 377         | 855           | 1400          | 2000          |
| 箱体尺寸 Case dimensions mm  | 400×330×200            | 440×360×208 | 500×400×210 | 580×480×238            | 750×816×280 | 850×730×302 | 995×900×326 | 1175×1090×391 | 1430×1224×550 | 1585×1580×503 |
| 可配卡盘 Maching chuck   | K11125                 | K11180      | K11200      | K11250                 | K11325      | K11400      | K11500A     | K11630A       | K11630A       |               |



| Order No. | Type    | D     | A    | B    | C    | G  | H     | K     | L   | M   | P    | Q   | d   | h  | Price |
|-----------|---------|-------|------|------|------|----|-------|-------|-----|-----|------|-----|-----|----|-------|
| B061010   | TS160A  | Φ160  | 260  | 196  | 332  | 12 | 75    | 76    | 194 | MT2 | 27   |     | Φ25 |    |       |
| B061011   | TS200A  | Φ200  | 290  | 236  | 369  | 14 | 80    | 91.25 | 211 | MT3 | 27   | 125 | Φ30 | 6  |       |
| B061012   | TS250A  | Φ250  | 330  | 286  | 422  | 18 | 90    | 102.5 | 241 | MT4 | 30.5 |     | Φ40 | 10 |       |
| B061013   | TS320A  | Φ320  | 410  | 360  | 493  | 22 | 110   | 128.5 | 273 | MT5 | 44   |     | Φ50 | 12 |       |
| B061014   | TS400A  | Φ400  | 530  | 450  | 612  | 28 | 140   | 180   | 337 | MT6 | 60   | 160 | Φ75 | 14 |       |
| B061015   | TS500A  | Φ500  | 640  | 560  | 753  | 36 | 158.5 | 230   | 393 |     | 65   | 180 |     |    |       |
| B061016   | TS630A  | Φ630  | 820  | 700  | 898  | 45 | 160   | 295   | 468 |     | 68   | 220 |     |    |       |
| B061017   | TS800A  | Φ800  | 1000 | 890  | 1080 | 55 | 215   | 364   | 535 |     | 76   |     |     |    |       |
| B061018   | TS1000A | Φ1000 | 1170 | 1080 | 1295 | 65 | 250   | 364   | 654 |     | 106  | 250 | Φ75 | 14 |       |
| B061019   | TS1250A | Φ1250 | 1400 | 1300 | 1420 | 75 | 283   | 487.5 | 690 |     | 116  |     |     |    |       |





可倾回转工作台

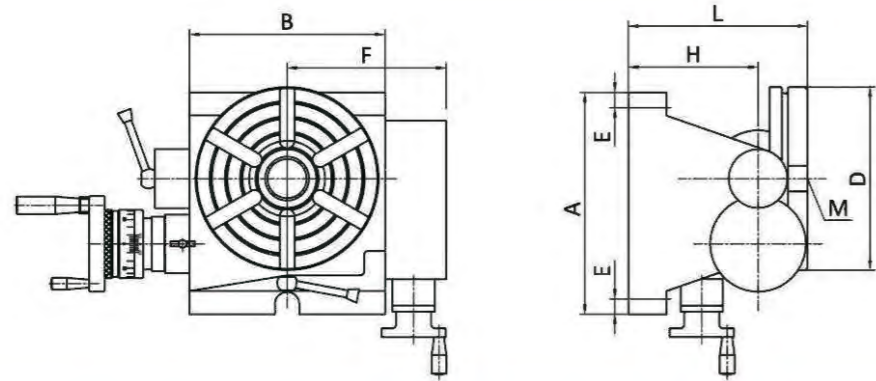
▼ B071010-B071410 订单号 Order NO.

TILTING ROTARY TABLES

- 工作台可从水平位置到垂直位之间 (0° -90° ) 任意调整并锁紧
- 每个规格的转台分别提供连接不同卡盘的法兰盘; 为特殊订货所提供的分度盘附件可实现由2至66间所有整数和由67到132间能被2, 3和5整除的所有整数的分度。
- The table can be tilted to any position from 0° to 90°
- A flange for connecting scroll chuck is special supplied; For special order,the dividing plates accessory allows the operator to accurately divide the 360° rotation of the clamping surface into divisions of 2 through 66, and all divisible of 2,3 and 5 from 67-132.



| 项目 Items  | 规格 Specifications |        |        |        |        |
|---|-------------------|--------|--------|--------|--------|
|   | TRT160            | TRT200 | TRT250 | RTR320 | TRT400 |
| 工作台直径 Table diameter mm                         | φ160              | φ200   | φ250   | φ320   | φ400   |
| 台面中心孔锥度 (莫氏) Morse taper of the center hole     | 2#                | 3#     | 3#     | 4#     | 4#     |
| 台面定位孔直径 Diameter of the center hole mm          | φ25×6             | φ30×6  | φ30×6  | φ40×10 | φ40×10 |
| 台面T型槽宽度 Width of T-slot mm                      | 10                | 12     | 12     | 14     | 14     |
| 涡轮副模数 Modules of worm and worm gear             | 1.5               | 1.75   | 2      | 2.5    | 3.5    |
| 定位键宽度 Width of the locating key mm              | 12                | 14     | 14     | 18     | 18     |
| 台面T型槽相邻角度 Adjacent angle of T-slot              | 90°               |        | 60°    |        |        |
| 涡轮副传动比 Transmission ratio of the worm gear      | 1: 90             |        |        |        |        |
| 工作台圆周刻度 Graduation of the table                 | 360°              |        |        |        |        |
| 工作台可倾角度 Tilting angle                           | 0°-90°            |        |        |        |        |
| 轮台手轮刻度值 Readout of the handwheel                | 1'                |        |        |        |        |
| 游标最小示值 Minimum value of vernier                 | 10"               |        |        |        |        |
| 可倾游标最小示值 Minimum reading of the tilting vernier | 2'                |        |        |        |        |
| 分度精度 Indexing accuracy                          | 80"               | 60"    |        |        |        |
| 工作台最大承载 Max.workload kg                         | 100               | 150    | 200    | 250    | 300    |
| 净重 Net weight Kg                                | 36                | 57     | 80     | 135    | 280    |
| 毛重 Gross weight Kg                              | 44                | 67     | 93     | 150    | 305    |
| 可配卡盘 Maching chuck                              | K11125            | K11160 | K11200 | K11250 | K11325 |



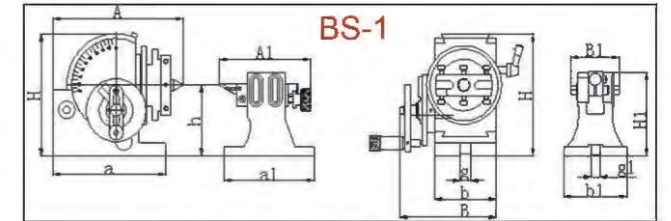
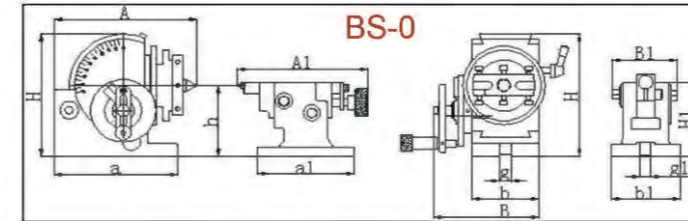
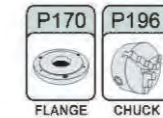
| Order NO. | Model  | A   | B   | C   | D   | E  | F     | H   | M   |
|-----------|--------|-----|-----|-----|-----|----|-------|-----|-----|
| B071010   | TRT160 | 255 | 172 | 160 | 168 | 11 | 138   | 100 | MT2 |
| B071110   | TRT200 | 296 | 213 | 180 | 186 | 14 | 175.5 | 120 | MT3 |
| B071210   | TRT250 | 310 | 252 | 205 | 235 | 14 | 199   | 140 | MT3 |
| B071310   | RTR320 | 380 | 322 | 255 | 252 | 16 | 241   | 175 | MT4 |
| B071410   | TRT400 | 500 | 400 | 320 | 306 | 16 | 295   | 217 | MT4 |



半万能分度头

▼ B081010-B081110 订单号 Order NO.

SEMI-UNIVERSAL CENTER(DIVIDING HEAD)



特征:  
半万能分度头是简易的分度中心, 可直接、间接分度, 完成面、槽、齿加工, 不需配件。但整体结构与万能分度头相同, 快速分度的24孔直接进行2, 3, 4, 6, 8, 12, 24等分度, 随机附3个分度板间接分度等分数2-50, 51-380。

Features:

Semi-Universal Index Center is a simplified type of Universal Index Center and can be used for direct and indirect dividing. No accessories for the differential dividing and spiral work are included, but the whole construction of the universal type. The direct index plate of 24 and three plates in the standard accessories make the indirect dividing possible in any number from 2 to 50 and in certain numbers up to 380.

OPTIONAL ACCESSORY: 4" or 5" 3-jaw Chuck for BS-0, "5" or "6" 3-jaw chuck for BS-1

| Order NO. | Model | A mm/in. | B mm/in. | H mm/in. | h mm/in. | a mm/in. | b mm/in. | g mm/in. | Morse Taper | N.W. kg | Price |
|-----------|-------|----------|----------|----------|----------|----------|----------|----------|-------------|---------|-------|
| B081010   | BS-0  | 204      | 140      | 173      | 100      | 166      | 90       | 16       | MT2         | 23.8    |       |
|           |       | 8.03     | 5.51     | 6.81     | 3.93     | 6.53     | 3.54     | 0.63     | B&S NO.7    |         |       |
| B081110   | BS-1  | 242      | 175      | 220      | 128      | 206      | 113      | 16       | MT3         | 35.8    |       |
|           |       | 9.52     | 6.89     | 8.66     | 5.04     | 8.11     | 4.45     | 0.63     | B&S NO.9    |         |       |

SEMI-UNIVERSAL INDEX CENTER B & S TYPE NO.0, NO.1 (TAIL-STOCK)

| Model  | A1 mm/in. | B1 mm/in. | H1 mm/in. | h mm/in. | a1 mm/in. | b1 mm/in. | g1 mm/in. | Note                          |
|--------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-------------------------------|
| TS-BS0 | 175       | 87        | 107       | 100      | 130       | 92        | 16        | Packed with the Dividing head |
|        | 6.89      | 3.42      | 4.21      | 3.93     | 5.12      | 3.62      | 0.63      |                               |
| TS-BS1 | 183       | 87        | 134       | 128      | 158       | 110       | 16        |                               |
|        | 7.2       | 3.42      | 5.27      | 5.04     | 6.22      | 4.33      | 0.63      |                               |

STANDARD ACCESSORIES

Dividing plate A, B, C.

Numbers of holes of dividing plate (worm gear reduction ratio 1:40)

| Numbers of hole | Plate A | 15 | 16 | 17 | 18 | 19 | 20 |
|-----------------|---------|----|----|----|----|----|----|
|                 | Plate B | 21 | 23 | 27 | 29 | 31 | 33 |
|                 | Plate C | 37 | 39 | 41 | 43 | 47 | 49 |



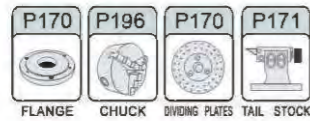


万能分度头

▼ B091210

订单号 Order NO.

UNIVERSAL INDEX CENTER(DIVIDING HEAD)

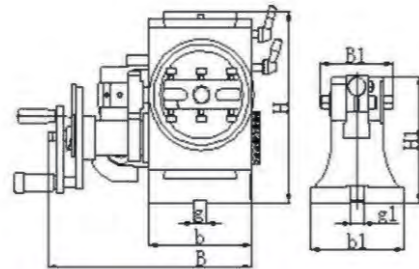
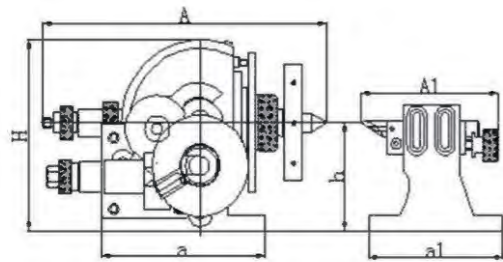


特征:

万能分度头为综合型辅助设备,分度准确,操作灵活及螺旋连作较以往加工倍速提高效率,中心面可在仰角90°俯角10°间任意调节,此中心适用于高标准的检验及测试,为保证客户满意蜗轮副设计为1:40。

Features:

The Universal Index Center has been designed to carry out all types of gear cutting .Precision dividing and spiral word with greater precision and efficiency than ever The center face can be tilted from a horizontal position of 90° down to -10° from vertical,and inclinations can be read off a scale graduated in degrees. The center is built to highest engineering standards and is factory inspected and tested to assure complete satisfaction.The ratio of worm to gear is 1:40



OPTIONAL ACCESSORY:6" or 8" 3-jaw Chuck for BS-2

| Order NO. | Model | A mm/in. | B mm/in. | H mm/in. | h mm/in. | a mm/in. | b mm/in. | g mm/in. | Morse Taper | N.W. kg | Price |
|-----------|-------|----------|----------|----------|----------|----------|----------|----------|-------------|---------|-------|
| B091210   | BS-2  | 370      | 280      | 236      | 133      | 212      | 134      | 16       | MT4         | 76      |       |
|           |       | 14.57    | 11.02    | 9.29     | 5.24     | 8.35     | 5.28     | 0.63     | B&S NO.10   |         |       |

UNIVERSAL INDEX CENTER B & S NO.2(TAIL-STOCK)

| Model  | A1 mm/in. | B1 mm/in. | H1 mm/in. | h mm/in. | a1 mm/in. | b1 mm/in. | g1 mm/in. | Note                          |
|--------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-------------------------------|
| TS-BS2 | 183       | 90        | 156       | 133      | 175       | 122       | 16        | Packed with the Dividing head |
|        | 7.2       | 3.54      | 6.14      | 5.24     | 6.89      | 4.8       | 0.63      |                               |

STANDARD ACCESSORIES

Dividing plate A,B,C.  
 Numbers of holes of dividing plate(worm gear reduction ratio1:40)

| Numbers of hole | Plate A | 15 | 16 | 17 | 18 | 19 | 20 |
|-----------------|---------|----|----|----|----|----|----|
|                 | Plate B | 21 | 23 | 27 | 29 | 31 | 33 |
|                 | Plate C | 37 | 39 | 41 | 43 | 47 | 49 |

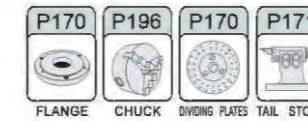


万能分度头

▼ B091211

订单号 Order NO.

UNIVERSAL INDEX CENTER(DIVIDING HEAD)

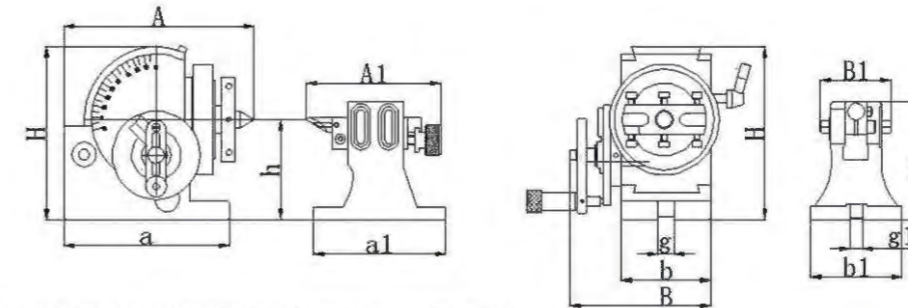


特征:

万能分度头为综合型辅助设备,分度准确,操作灵活及螺旋连作较以往加工倍速提高效率,中心面可在仰角90°俯角10°间任意调节,此中心适用于高标准的检验及测试,为保证客户满意蜗轮副设计为1:40。

Features:

The Universal Index Center has been designed to carry out all types of gear cutting .Precision dividing and spiral word with greater precision and efficiency than ever The center face can be tilted from a horizontal position of 90° down to -10° from vertical,and inclinations can be read off a scale graduated in degrees. The center is built to highest engineering standards and is factory inspected and tested to assure complete satisfaction.The ratio of worm to gear is 1:40



BS-2A COMES WITH A TAIL STOCK, A SET OF DIVIDING PLATE, A SET OF CARRIER CLAMP, A 3 JAW PLATE, A CENTER.  
 BS-2A BODY STRUCTURE IS SAME AS BS-2 WITHOUT CHANGING GEAR ARBOR OR BRACKET.

OPTIONAL ACCESSORY:6" or 8" 3-jaw Chuck for BS-2A  
 UNIVERSAL INDEX CENTER B & S NO.2(HEAD-STOCK)

| Order NO. | Model | A mm/in. | B mm/in. | H mm/in. | h mm/in. | a mm/in. | b mm/in. | g mm/in. | Morse Taper | N.W. kg | Price |
|-----------|-------|----------|----------|----------|----------|----------|----------|----------|-------------|---------|-------|
| B091211   | BS-2A | 264      | 210      | 236      | 133      | 212      | 134      | 16       | MT4         | 52      |       |
|           |       | 10.39    | 8.26     | 9.29     | 5.24     | 8.35     | 5.28     | 0.63     | B&S NO.10   |         |       |

UNIVERSAL INDEX CENTER B & S NO.2(TAIL-STOCK)

| Model | A1 mm/in. | B1 mm/in. | H1 mm/in. | h mm/in. | a1 mm/in. | b1 mm/in. | g1 mm/in. | Note                          |
|-------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-------------------------------|
| BS-2A | 183       | 90        | 156       | 133      | 175       | 122       | 16        | Packed with the Dividing head |
|       | 7.2       | 3.54      | 6.14      | 5.24     | 6.89      | 4.8       | 0.63      |                               |

STANDARD ACCESSORIES

Dividing plate A,B,C.  
 Numbers of holes of dividing plate(worm gear reduction ratio1:40)

| Numbers of hole | Plate A | 15 | 16 | 17 | 18 | 19 | 20 |
|-----------------|---------|----|----|----|----|----|----|
|                 | Plate B | 21 | 23 | 27 | 29 | 31 | 33 |
|                 | Plate C | 37 | 39 | 41 | 43 | 47 | 49 |

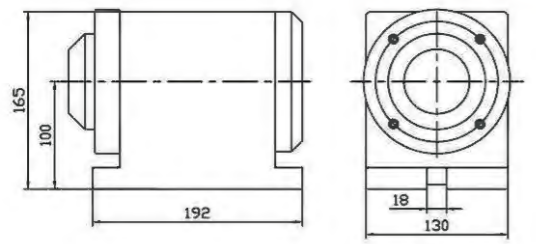
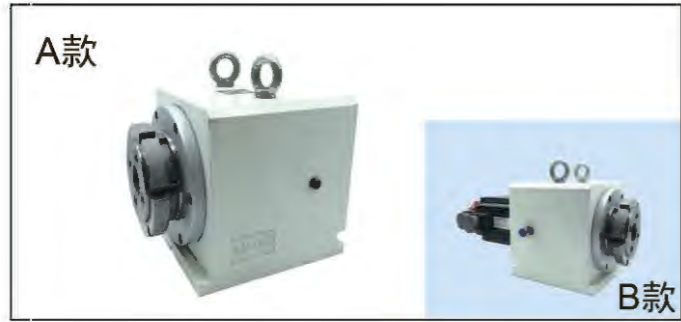
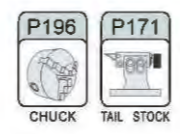




**带气刹数控分度头**

▼ **B101010** 订单号 Order NO.

NC DIVIDING HEAD WITH AIR PRESSURE BRAKING



**特征:**  
数控分度头是数控铣床,加工中心等机床的主要附件之一,亦可作为半自动铣床,镗床或其它类机床的主要附件。该分度头与相应的CNC控制装置或机床本身特有的控制系列连接,并与4-6巴压缩空气接通,可自动完成对被加紧工件的加紧,松开和任意角度的圆周分度工作。当上述机床采用该分度头后,可大大提高劳动生产力和保证工件的加工质量。

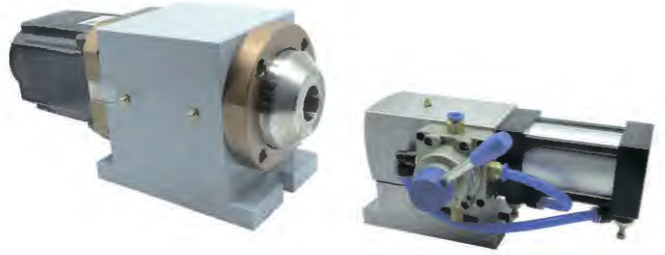
**Features:**  
NC dividing head is one of the main accessories for the NC machine and machine center, it can also be used as one of the main accessories of semiauto milling machine, boring machine or other machine or other machine tool. Connected with the CNC control device or the control system of the machine and the 4-6 bar pressure air, the NC dividing heads can carry out the performance of clamping, unclamping and circular indexing at arbitrary angle for the

|                                       |                |
|---------------------------------------|----------------|
| Order NO.                             | <b>B101010</b> |
| Model                                 | LS-100         |
| Center height(mm)                     | 100            |
| Morse taper                           | MT4            |
| Connecting dimensions of spindle nose | A15            |
| Chuck                                 | Φ125mm         |
| Air pressure                          | 4~6x105Pa      |
| Net weight(kg)                        | 46             |
| Price                                 |                |

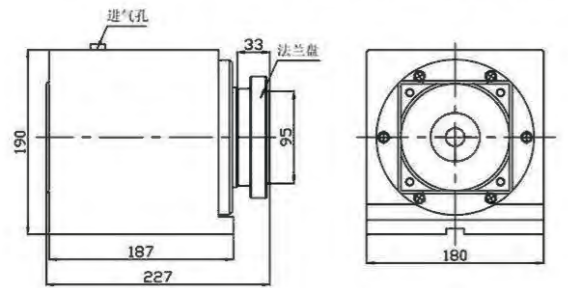
**数控分度头**

▼ **B111010** 订单号 Order NO.

NC DIVIDING HEAD



Optional Pneumatic Tail Stock



|                   |                |
|-------------------|----------------|
| Order NO.         | <b>B111010</b> |
| Model             | ZL-100         |
| Center height(mm) | 100            |
| Morse taper       | MT4            |
| Motor             | 110HC160       |
| Net weight(kg)    | 31.5           |
| Price             |                |

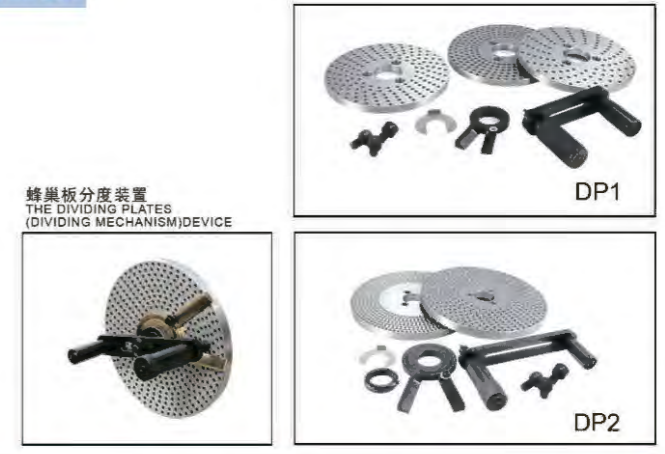


**蜂巢板**

▼ **B121010-B121110** 订单号 Order NO.

DIVIDING PLATES

When using the Dividing plates(Dividing Mechanism) device, the indexing of 2 to 100 positions can be carried out accurately and rapidly with the use of two index plates, sector, crank handle, Etc.  
使用蜂巢板和分度装置, 根据传动比通过计孔叉和蜂巢板上的孔, 可以精确快速的进行分度。

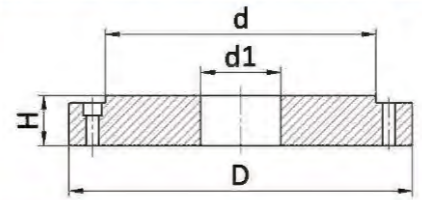


| Order NO. | Model | Dividing Plate | Number of Holes   | Used of Model  | N.W.(kg) | Price |  |
|-----------|-------|----------------|-------------------|--|----------|-------|--|
| B121010   | DP1   | A              | 15,16,17,18,19,20 | ● RT-HV4", HV6"                                      | 2.70     |       |  |
|           |       | B              | 21,23,27,29,31,33 |  |          |       |  |
|           |       | C              | 37,39,41,43,47,49 |  |          |       |  |
| B121110   | DP2   | A              | A1                | ● RT-HV6", HV10", HV12", HV14", HV16"<br>● CS-6", 8" | 4.80     |       |  |
|           |       |                | A2                |  |          |       | 26,30,34,38,41,44,47,51,57                         |
|           |       | B              | B1                |  |          |       | 28,32,37,39,43,46,49,53,59                         |
|           |       |                | B2                |  |          |       | 61,67,71,77,81,87,91,97<br>63,69,73,79,83,89,93,99 |

**法兰盘**

▼ **B131010-B131310** 订单号 Order NO.

FLANGE PLATE



| Order No. | Model    | D mm | d mm | d1 mm | H mm | Bolt | N.W.(kg) | Price |
|-----------|----------|------|------|-------|------|------|----------|-------|
| B131010   | FLT-4C   | 90   | 55   | 20    | 20   | M6   | 1.8      |       |
| B131110   | FLT-0/5C | 138  | 95   | 25    | 20   | M8   | 2.6      |       |
| B131210   | FLT-1/6C | 170  | 130  | 25    | 21   | M8   | 3.05     |       |
| B131310   | FLT-2/8C | 210  | 165  | 32    | 24   | M10  | 5.5      |       |





尾座

▼ B141010-B141410 订单号 Order NO.

TAIL STOCK



TS-0/1



TS-2.3



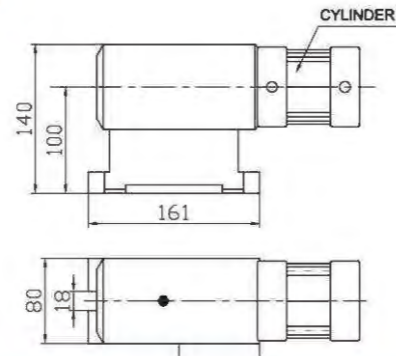
TS-2A

| Order NO. | Mode | Center height |        | Suit for Model | N.W. kg | Price |
|-----------|------|---------------|--------|----------------|---------|-------|
|           |      | Max mm        | Min mm |                |         |       |
| B141010   | TS0  | 107           | 80     | RT-HV4,6       | 3       |       |
| B141110   | TS1  | 107           | 97     | RT-HV6,BS0     | 3.3     |       |
| B141210   | TS2  | 210           | 135    | RT-HV8,10      | 7.5     |       |
| B141310   | TS2A | 160           | 130    | RT-HV8,BS2     | 5.8     |       |
| B141410   | TS3  | 190           | 262    | RT-HV12,14,16  | 10.5    |       |

气动尾座

▼ B151010 订单号 Order NO.

PNEUMATIC TAIL STOCK



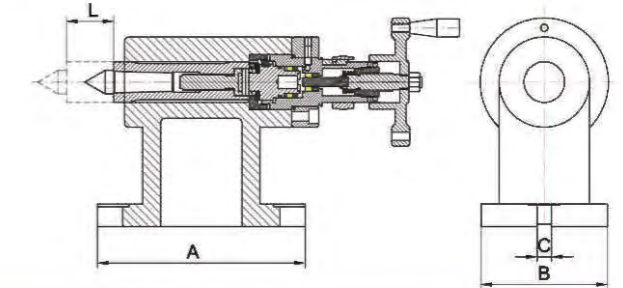
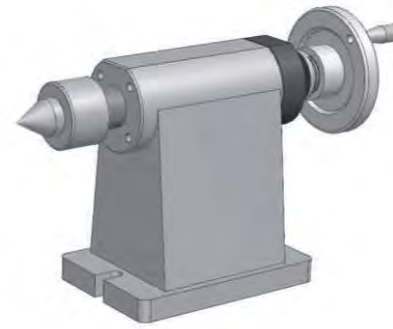
|                       |         |
|-----------------------|---------|
| Order NO.             | B151010 |
| Model                 | PTS-100 |
| Center height(mm)     | 100     |
| Morse taper           | MT3     |
| Adjustable travel(mm) | 55      |
| Motor                 | SC63X50 |
| Net weight(kg)        | 13.5    |
| Price                 |         |



液压倍力尾座

▼ B151010-B151310 订单号 Order NO.

HYDRAULIC TAILSTOCK



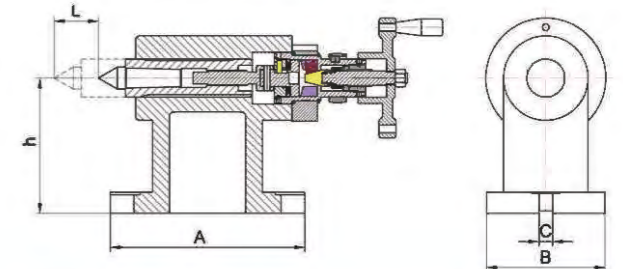
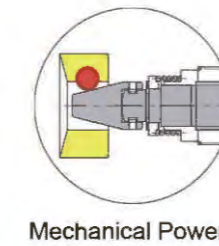
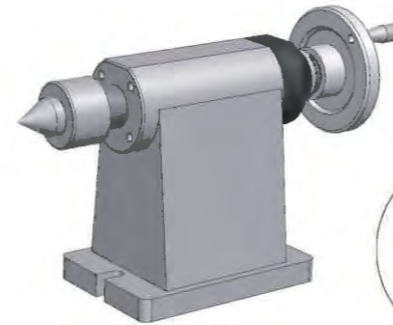
- 油压夹紧方式，加持力稳定，不后退
- 不需要泵站，不需要加油
- Clamping system: hydraulic
- No pump station, no oiling

| Order NO. | Mode    | h   | L  | A   | B   | C  | Price |
|-----------|---------|-----|----|-----|-----|----|-------|
| B151010   | HTS-100 | 100 | 40 | 168 | 100 | 16 |       |
| B151110   | HTS-125 | 125 | 40 | 203 | 110 | 16 |       |
| B151210   | HTS-160 | 160 | 55 | 230 | 140 | 16 |       |
| B151310   | HTS-210 | 210 | 55 | 270 | 160 | 16 |       |

机械倍力尾座

▼ B161010-B161310 订单号 Order NO.

MECHANICAL POWER TAILSTOCK



- 采用独特的倍力增压结构，夹持力稳定，不后退
- 适用于立式加工中心的重型切割
- Mechanism design with rapid pressurization and high clamping force of the unique
- Suitable for heavy duty cutting on Vertical Machining center

| Order NO. | Mode    | h   | L  | A   | B   | C  | Price |
|-----------|---------|-----|----|-----|-----|----|-------|
| B161010   | MTS-100 | 100 | 40 | 168 | 100 | 16 |       |
| B161110   | MTS-125 | 125 | 40 | 203 | 110 | 16 |       |
| B161210   | MTS-160 | 160 | 55 | 230 | 140 | 16 |       |
| B161310   | MTS-210 | 210 | 55 | 270 | 160 | 16 |       |







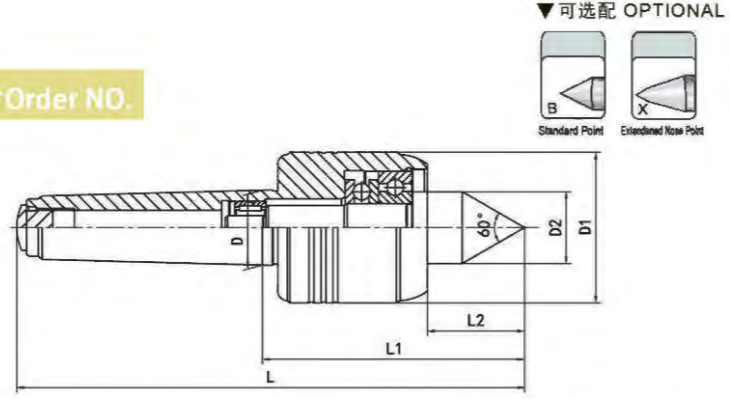
标准中负荷回转顶尖

▼C011010-C011410 订单号Order NO.

MEDIUM LIVE CENTER



- 顶尖采用精密深沟球轴承，推力球轴承和滚针轴承
- 心轴加长，能有效提高承重能力，精度保持能力和切削性能，减少震动影响
- 回转尖采用优质钢材材料，淬火硬度HRC60±2



- The live center has a combination of deep groove ball bearing ,thrust ball bearing and needle bearing
- Point extends into body and supported by needle bearing for increased rigidity and vibration dampening
- Rotating point is made of high quality alloy steel,heated to HRC 60±2

| Order NO. | Model   | D mm/in.       | D1 mm/in.   | D2 mm/in.  | L1 mm/in.   | L2 mm/in.  | L mm/in.    | Weight of workpiece (KG) | Max RPM | Accuracy mm/in.  | N.W. (kg) | Price |
|-----------|---------|----------------|-------------|------------|-------------|------------|-------------|--------------------------|---------|------------------|-----------|-------|
| C011010   | BZ-MT.2 | 17.78<br>0.70  | 45<br>1.77  | 22<br>0.87 | 80<br>3.15  | 32<br>1.26 | 148<br>5.83 | 400                      | 2500    | 0.008<br>0.00031 | 0.80      |       |
| C011110   | BZ-MT.3 | 23.825<br>0.94 | 53<br>2.09  | 26<br>1.02 | 84<br>3.31  | 32<br>1.26 | 170<br>6.69 | 500                      | 2500    | 0.008<br>0.00031 | 1.28      |       |
| C011210   | BZ-MT.4 | 31.267<br>1.23 | 63<br>2.48  | 30<br>1.18 | 104<br>4.09 | 39<br>1.54 | 212<br>8.35 | 600                      | 2000    | 0.008<br>0.00031 | 2.20      |       |
| C011310   | BZ-MT.5 | 44.399<br>1.75 | 78<br>3.07  | 44<br>1.73 | 136<br>5.35 | 53<br>2.09 | 260<br>10.2 | 600                      | 2000    | 0.008<br>0.00031 | 4.33      |       |
| C011410   | BZ-MT.6 | 63.348<br>2.49 | 128<br>5.04 | 70<br>2.76 | 190<br>7.48 | 80<br>3.15 | 379<br>14.9 | 700                      | 2000    | 0.008<br>0.00031 | 14.20     |       |

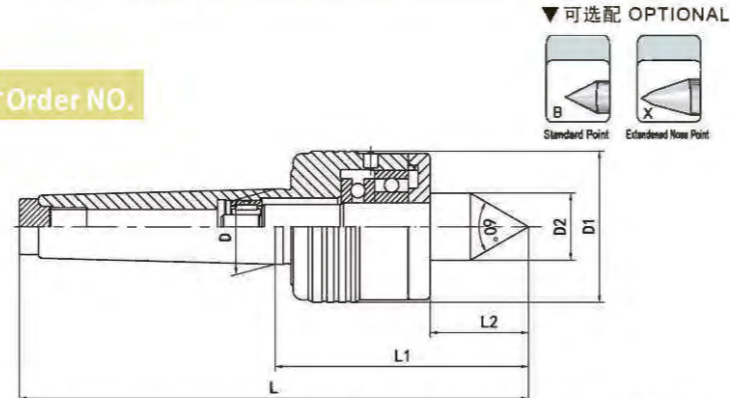
标准中负荷回转顶尖

▼C021010-C021310 订单号Order NO.

MEDIUM LIVE CENTER



- 顶尖采用精密深沟球轴承，推力球轴承和滚针轴承
- 心轴加长，能有效提高切削性能，减少震动影响
- 回转尖采用优质钢材材料，淬火硬度HRC60±2
- 头部有加油孔，可对内部轴承加油保养，从而延长顶尖使用寿命
- 前端有防尘圈，防止切削液和灰尘进入轴承，延长了顶尖使用寿命



- The live center has a combination of deep groove ball bearing ,thrust ball bearing and needle bearing
- Point extends into body and supported by needle bearing for increased rigidity and vibration dampening
- Rotating point is made of high quality alloy steel,heated to HRC 60±2
- Oil filler is available in the head part,able to refill oil and maintain the internal bearing for extend the service life
- The anti-dust seal can prevent cutting fluid and dust from into the center bearing

| Order NO. | Model   | D mm/in.       | D1 mm/in.   | D2 mm/in.  | L1 mm/in.   | L2 mm/in.  | L mm/in.     | Weight of workpiece (KG) | Max RPM | Accuracy mm/in.  | N.W. (kg) | Price |
|-----------|---------|----------------|-------------|------------|-------------|------------|--------------|--------------------------|---------|------------------|-----------|-------|
| C021010   | BZ-MT.3 | 23.825<br>0.94 | 53<br>2.09  | 23<br>0.91 | 87<br>3.43  | 32<br>1.26 | 170<br>6.69  | 500                      | 2000    | 0.008<br>0.00031 | 1.15      |       |
| C021110   | BZ-MT.4 | 31.267<br>1.23 | 63<br>2.48  | 28<br>1.10 | 115<br>4.53 | 40<br>1.57 | 225<br>8.86  | 600                      | 2000    | 0.008<br>0.00031 | 2.5       |       |
| C021210   | BZ-MT.5 | 44.399<br>1.75 | 78<br>3.07  | 36<br>1.42 | 135<br>5.31 | 50<br>1.97 | 270<br>10.63 | 600                      | 2000    | 0.008<br>0.00031 | 4.30      |       |
| C021310   | BZ-MT.6 | 63.348<br>2.49 | 128<br>5.04 | 70<br>2.76 | 190<br>7.48 | 80<br>3.15 | 379<br>14.9  | 700                      | 2000    | 0.008<br>0.00031 | 14.2      |       |



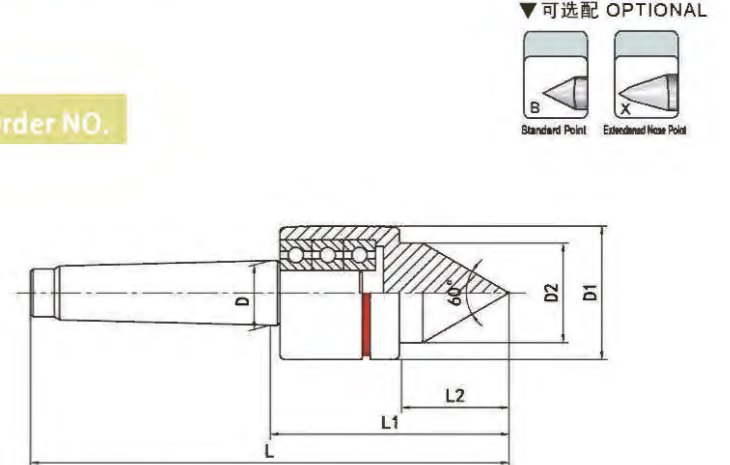
轻型外旋回转顶尖

▼C031010-C031110 订单号Order NO.

LIGHT-DUTY LIVE CENTER



- 顶尖采用三对精密深沟球轴承组合
- 顶尖表面淬火和精磨，提高刚性和稳定性



- The live center has a combination of three deep groove ball bearing
- Body and point are hardened and ground for strength and durability

| Order NO. | Model   | D mm/in.       | D1 mm/in.  | D2 mm/in.    | L1 mm/in.  | L2 mm/in.  | L mm/in.      | Weight of workpiece (KG) | Max RPM | Accuracy mm/in. | N.W. (kg) | Price |
|-----------|---------|----------------|------------|--------------|------------|------------|---------------|--------------------------|---------|-----------------|-----------|-------|
| C031010   | WX-MT.3 | 23.825<br>0.94 | 50<br>1.97 | 35.3<br>1.39 | 90<br>3.54 | 40<br>1.58 | 171<br>6.73   | 250                      | 2000    | 0.005<br>0.0002 | 0.90      |       |
| C031110   | WX-MT.4 | 31.267<br>1.23 | 53<br>2.09 | 40<br>1.57   | 98<br>4.09 | 45<br>3.86 | 200.5<br>7.89 | 300                      | 2000    | 0.005<br>0.0002 | 1.35      |       |

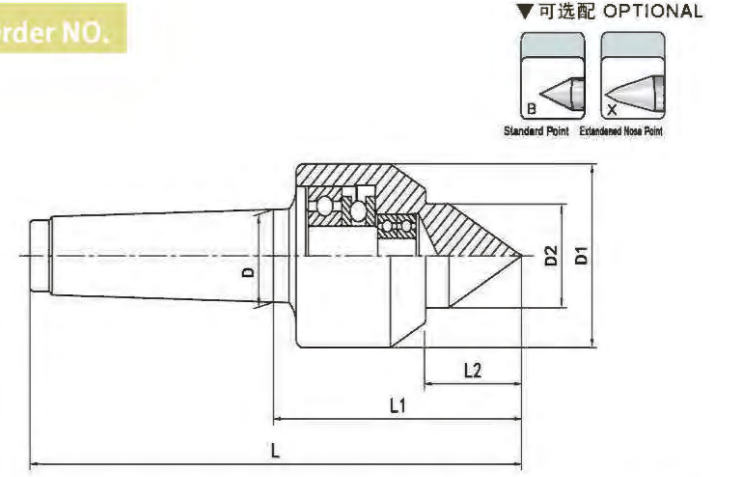
重型外旋回转顶尖

▼C041010-C041210 订单号Order NO.

HEAVY-DUTY LIVE CENTER



- 顶尖采用精密深沟球轴承，推力球轴承
- 顶尖表面淬火和精磨，提高刚性和稳定性
- 顶尖采用优质钢材材料，淬火硬度HRC60±2
- 尖部有特殊伞形结构，适合加工管类和大孔类零件



- The live center has a combination of deep groove ball bearing ,thrust ball bearing
- Body and point are hardened and ground for strength and durability
- Rotating point are made of high quality alloy steel,heated to HRC 60±2
- Rear bull-head section ideal for tubes and parts with large holes

| Order NO. | Model   | D mm/in.       | D1 mm/in.  | D2 mm/in.  | L1 mm/in.     | L2 mm/in.  | L mm/in.    | Weight of workpiece (KG) | Max RPM | Accuracy mm/in. | N.W. (kg) | Price |
|-----------|---------|----------------|------------|------------|---------------|------------|-------------|--------------------------|---------|-----------------|-----------|-------|
| C041010   | WX-MT.3 | 23.825<br>0.94 | 53<br>2.09 | 28<br>1.1  | 97<br>3.82    | 33<br>1.3  | 177<br>6.97 | 300                      | 3000    | 0.01<br>0.0004  | 1.45      |       |
| C041110   | WX-MT.4 | 31.267<br>1.23 | 63<br>2.48 | 35<br>1.38 | 109.5<br>4.31 | 40<br>1.57 | 211<br>8.31 | 400                      | 2500    | 0.01<br>0.0004  | 2.10      |       |
| C041210   | WX-MT.5 | 31.267<br>1.23 | 73<br>2.87 | 45<br>1.77 | 121<br>4.76   | 50<br>1.97 | 250<br>9.84 | 500                      | 2000    | 0.01<br>0.0004  | 2.50      |       |





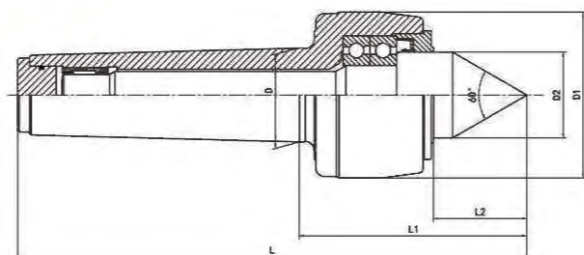
精密高速防水回转顶尖

▼C051010-C051210 订单号Order NO.

HIGH-SPEED WATER-PROOF TYPE



- 顶尖采用配对角接触球轴承和滚针轴承
- 高转速≤ 6000 RPM
- 心轴加长到锥柄末端, 有效提高切削性能, 减少震动影响
- 回转尖采用优质钢材料, 淬火硬度HRC60±2
- 前端有防尘圈, 防止切削液和灰尘进入轴承, 延长了顶尖使用寿命



- The live center has a combination of matched pair angular contact ball bearing and needle bearing
- High speed to 6000 RPM
- Point extends into the end of shank and supported by needle bearing for increased rigidity, cutting performance and vibration dampening
- Rotating point is made of high quality alloy steel, heated to HRC 60±2
- The anti-dust seal can prevent cutting fluid and dust from into the center bearing

| Order NO. | Model   | D mm/in.       | D1 mm/in.  | D2 mm/in.  | L1 mm/in.   | L2 mm/in.  | L mm/in.     | Weight of workpiece (KG) | Max RPM | Accuracy mm/in. | N.W. (kg) | Price |
|-----------|---------|----------------|------------|------------|-------------|------------|--------------|--------------------------|---------|-----------------|-----------|-------|
| C051010   | GS-MT.3 | 23.825<br>0.94 | 53<br>2.09 | 30<br>1.18 | 96<br>3.78  | 38<br>1.50 | 182<br>7.17  | 250                      | 6000    | 0.005<br>0.0002 | 1.25      |       |
| C051110   | GS-MT.4 | 31.267<br>1.23 | 63.248     | 32.126     | 110.433     | 45.177     | 215.846      | 450                      | 5000    | 0.005<br>0.0002 | 2.22      |       |
| C051210   | GS-MT.5 | 44.399<br>1.75 | 82<br>3.23 | 40<br>1.57 | 120<br>4.72 | 50<br>1.97 | 256<br>10.08 | 800                      | 4000    | 0.005<br>0.0002 | 3.60      |       |

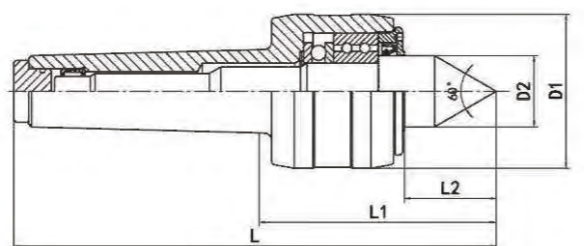
精密重负荷回转顶尖

▼C061010-C061210 订单号Order NO.

PRECISION CNC HEAVY-DUTY LIVE CENTER



- 顶尖采用双列深沟球轴承和滚针轴承
- 心轴加长到锥柄末端, 有效提高切削性能, 减少震动影响
- 回转尖采用优质钢材料, 淬火硬度HRC60±2
- 前端有防尘圈, 防止切削液和灰尘进入轴承, 延长了顶尖使用寿命



- The live center has a combination of double-row deep groove ball bearing and needle bearing
- Point extends into the end of shank and supported by needle bearing for increased rigidity, cutting performance and vibration dampening
- Rotating point is made of high quality alloy steel, heated to HRC 60±2
- The anti-dust seal can prevent cutting fluid and dust from into the center bearing

| Order NO. | Model   | D mm/in.       | D1 mm/in.  | D2 mm/in.  | L1 mm/in.   | L2 mm/in.  | L mm/in.     | Weight of workpiece (KG) | Max RPM | Accuracy mm/in. | N.W. (kg) | Price |
|-----------|---------|----------------|------------|------------|-------------|------------|--------------|--------------------------|---------|-----------------|-----------|-------|
| C061010   | JM-MT.3 | 23.825<br>0.94 | 53<br>2.03 | 30<br>1.18 | 94<br>3.70  | 39<br>1.54 | 180<br>7.09  | 300                      | 4000    | 0.005<br>0.0002 | 1.28      |       |
| C061110   | JM-MT.4 | 31.267<br>1.23 | 63<br>2.48 | 32<br>1.26 | 104<br>4.09 | 42<br>1.65 | 208<br>8.19  | 600                      | 4000    | 0.005<br>0.0002 | 2.2       |       |
| C061210   | JM-MT.5 | 44.399<br>1.75 | 83<br>3.27 | 42<br>1.65 | 120<br>4.72 | 49<br>1.93 | 256<br>10.08 | 1000                     | 3500    | 0.005<br>0.0002 | 4.33      |       |



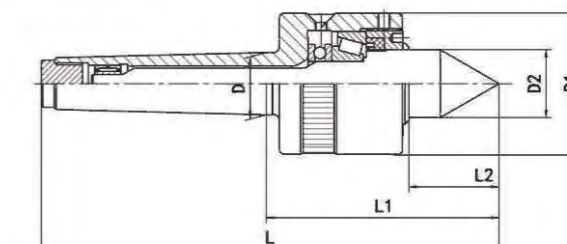
大载荷精密回转顶尖

▼C071010-C071410 订单号Order NO.

HIGH LOAD PRECISION LIVE CENTER



- 顶尖采用进口的NSK圆锥滚子轴承、止推轴承及滚针轴承
- 适用于重负荷加工
- 心轴加长到锥柄末端, 有效提高切削性能, 减少震动影响
- 回转尖采用优质钢材料, 淬火硬度HRC60±2
- 头部有加油孔, 可对内部轴承加油保养, 从而延长顶尖使用寿命
- 前端有防尘圈, 防止切削液和灰尘进入轴承, 延长了顶尖使用寿命



- The live center has a combination of tapered roller bearing ,thrust ball bearing and needle bearing (NSK)
- Suitable for heavy-duty processing
- Point extends into body and supported by needle bearing for increased rigidity and vibration dampening
- Rotating point is made of high quality alloy steel, heated to HRC 60±2
- Oil filler is available in the head part, able to refill oil and maintain the internal bearing for extend the service life

| Order NO. | Model   | D mm/in.       | D1 mm/in.   | D2 mm/in.  | L1 mm/in.    | L2 mm/in.  | L mm/in.      | Weight of workpiece (KG) | Max RPM | Accuracy mm/in. | N.W. (kg) | Price |
|-----------|---------|----------------|-------------|------------|--------------|------------|---------------|--------------------------|---------|-----------------|-----------|-------|
| C071010   | NCR-MT2 | 17.78<br>0.70  | 50<br>1.97  | 22<br>0.87 | 75<br>2.95   | 30<br>1.18 | 140<br>5.51   | 400                      | 4000    | 0.005<br>0.0002 | 0.85      |       |
| C071110   | NCR-MT3 | 23.825<br>0.94 | 54<br>2.13  | 26<br>1.02 | 89<br>3.50   | 37<br>1.46 | 175<br>6.89   | 600                      | 3500    | 0.005<br>0.0002 | 1.2       |       |
| C071210   | NCR-MT4 | 31.267<br>1.23 | 68<br>2.68  | 32<br>1.26 | 18.5<br>4.27 | 44<br>1.73 | 215.5<br>8.48 | 1000                     | 3000    | 0.005<br>0.0002 | 2.20      |       |
| C071310   | NCR-MT5 | 44.399<br>1.75 | 84<br>3.31  | 42<br>1.65 | 122<br>4.80  | 50<br>1.97 | 237<br>9.33   | 2500                     | 2500    | 0.005<br>0.0002 | 4.7       |       |
| C071410   | NCR-MT6 | 63.348<br>2.49 | 120<br>4.72 | 63<br>2.48 | 176<br>6.93  | 75<br>2.95 | 366<br>14.41  | 5000                     | 1500    | 0.005<br>0.0002 | 14.20     |       |

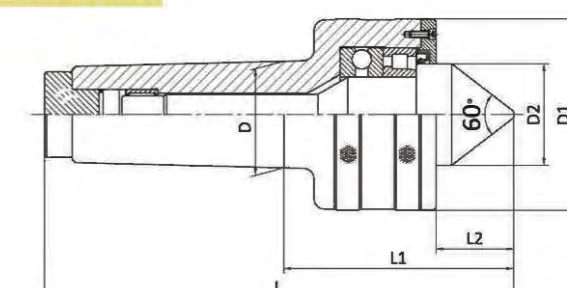
重负荷回转顶尖 (3-5吨)

▼C081010-C081210 订单号Order NO.

HIGH-LOAD TYPE(3-5T)



- 顶尖采用双列圆锥滚子轴承、止推轴承及滚针轴承
- 适用于重负荷加工 (3-5吨)
- 顶针、主体均采用优质合金工具钢, 顶针热处理硬度HRC60±2
- 前端有防尘圈, 防止切削液和灰尘进入轴承, 延长了顶尖使用寿命



- The live center has a combination of double-row tapered roller bearing ,thrust ball bearing and needle bearing
- Suitable for heavy-duty processing(3-5T)
- Rotating point is made of high quality alloy steel, heated to HRC 60±2
- Oil filler is available in the head part, able to refill oil and maintain the internal bearing for extend the service life

| Order NO. | Model | D mm/in.       | D1 mm/in.   | D2 mm/in.  | L1 mm/in.     | L2 mm/in.    | L mm/in.       | Weight of workpiece (KG) | Max RPM | Accuracy mm/in. | N.W. (kg) | Price |
|-----------|-------|----------------|-------------|------------|---------------|--------------|----------------|--------------------------|---------|-----------------|-----------|-------|
| C081010   | MT4   | 31.267<br>1.23 | 66<br>2.60  | 32<br>1.26 | 60<br>2.36    | 40<br>1.57   | 200<br>7.87    | 1000                     | 3000    | 0.01<br>0.0004  | 1.80      |       |
| C081110   | MT5   | 44.399<br>1.75 | 93<br>3.66  | 40<br>1.57 | 78<br>3.07    | 43.7<br>1.72 | 249.7<br>9.83  | 2500                     | 2000    | 0.01<br>0.0004  | 4.3       |       |
| C081210   | MT6   | 63.348<br>2.49 | 127<br>5.00 | 60<br>2.36 | 102.7<br>4.04 | 61.5<br>2.42 | 343.3<br>13.52 | 5000                     | 1000    | 0.01<br>0.0004  | 12.50     |       |

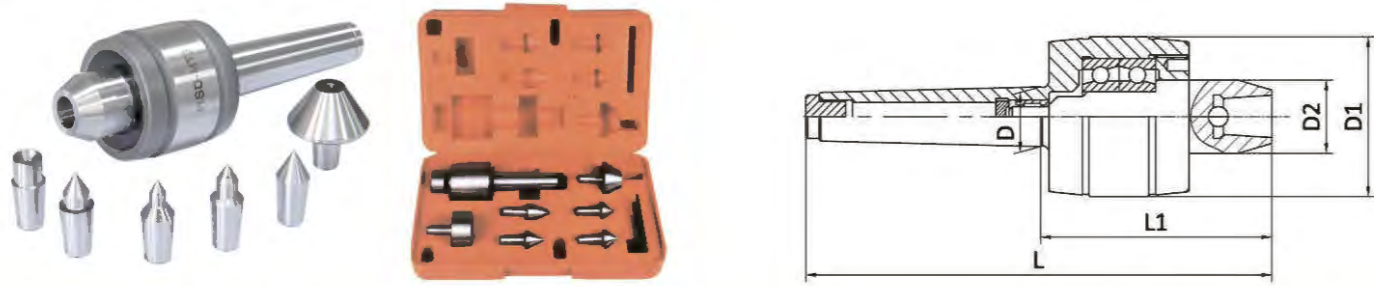




可互换式回转顶尖

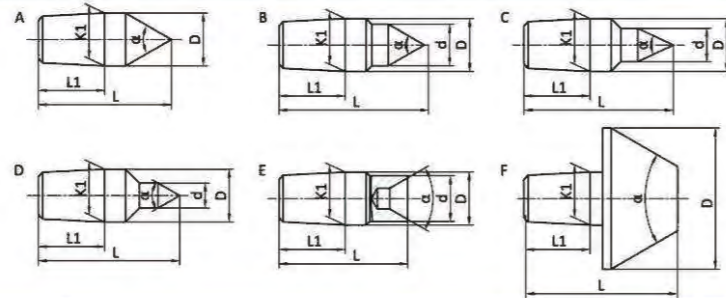
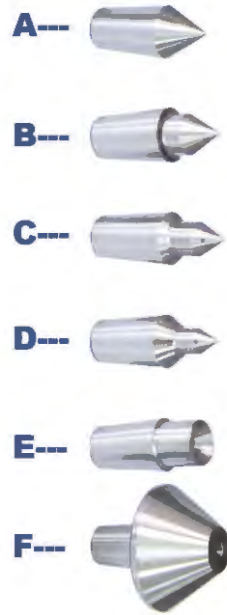
▼C091010-C091310 订单号Order NO.

LIVE CENTERS WITH INTERCHANGEABLE INSERTS



| Order No | Model | D1 mm/in.     | D2 mm/in.  | D1 mm/in.  | L1 mm/in.     | L mm/in.      | Max. R.P.M | Accuracy mm/in. | N.W. (kg) | Price |
|----------|-------|---------------|------------|------------|---------------|---------------|------------|-----------------|-----------|-------|
| C091010  | MT2   | 17.78<br>0.7  | 22<br>0.87 | 48<br>1.89 | 69<br>2.72    | 138<br>5.43   | 4500       | 0.005<br>0.0002 | 1.2       |       |
| C091110  | MT3   | 23.83<br>0.94 | 28<br>1.10 | 54<br>2.13 | 77<br>3.03    | 163<br>6.42   | 3500       | 0.005<br>0.0002 | 2         |       |
| C091210  | MT4   | 31.27<br>1.23 | 31<br>1.22 | 63<br>2.48 | 89.5<br>3.52  | 197.5<br>7.78 | 3500       | 0.005<br>0.0002 | 3.9       |       |
| C091310  | MT5   | 44.4<br>1.75  | 40<br>1.57 | 82<br>3.23 | 106.5<br>4.19 | 242.5<br>9.55 | 3000       | 0.005<br>0.0002 | 8         |       |

Interchangeable inserts.



| Model      | Interchangeable inserts | insert dimensions |            |            |          | Taper dimensions taper 1:7.5 |               |
|------------|-------------------------|-------------------|------------|------------|----------|------------------------------|---------------|
|            |                         | D mm/in.          | d mm/in.   | L mm/in.   | $\alpha$ | K1 mm/in.                    | I1 mm/in.     |
| MT2<br>MT3 | A                       | 12.75<br>0.50     |            | 32<br>1.26 | 60°      | 12.75<br>0.50                | 15.96<br>0.63 |
|            | B                       | 12.75<br>0.50     | 10<br>0.39 | 35<br>1.38 | 60°      |                              |               |
|            | C                       | 12.75<br>0.50     | 8<br>0.31  | 36<br>1.42 | 60°      |                              |               |
|            | D                       | 12.75<br>0.50     | 6<br>0.24  | 34<br>1.34 | 60°      |                              |               |
|            | E                       | 12.75<br>0.50     | 10<br>0.39 | 31<br>1.22 | 60°      |                              |               |
|            | F                       | 12.75<br>0.50     | 10<br>0.39 | 31<br>1.22 | 60°      |                              |               |
| MT4<br>MT5 | A                       | 15.7<br>0.62      |            | 44<br>1.73 | 60°      | 15.7<br>0.62                 | 20.4<br>0.80  |
|            | B                       | 15.7<br>0.62      | 12<br>0.47 | 49<br>1.93 | 60°      |                              |               |
|            | C                       | 15.7<br>0.62      | 10<br>0.39 | 50<br>1.97 | 60°      |                              |               |
|            | D                       | 15.7<br>0.62      | 8<br>0.31  | 47<br>1.85 | 60°      |                              |               |
|            | E                       | 15.7<br>0.62      | 12<br>0.47 | 43<br>1.69 | 60°      |                              |               |
|            | F                       | 15.7<br>0.62      | 12<br>0.47 | 43<br>1.69 | 60°      |                              |               |

Taper 1:7.5, in gauge accuracy.



多功能外旋式回转顶尖组合

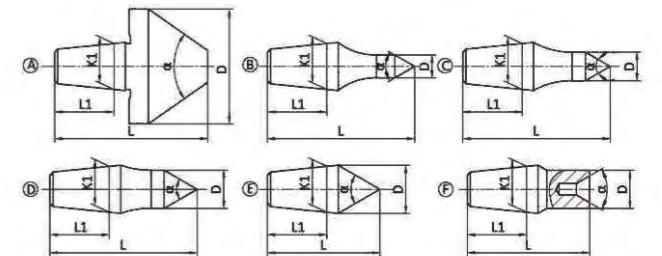
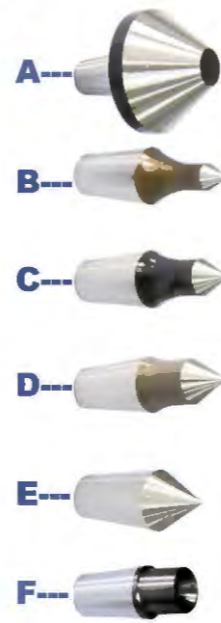
▼C101010-C101210 订单号Order NO.

MULTIFUNCTIONAL EXTERNAL ROTARY LIVE CENTER SET



| Order NO. | Model | D mm/in.      | D1 mm/in.  | D2 mm/in.  | L1 mm/in.  | L2 mm/in.  | L mm/in.    | Max RPM | Accuracy mm/in. | Price |
|-----------|-------|---------------|------------|------------|------------|------------|-------------|---------|-----------------|-------|
| C101010   | MT2   | 17.78<br>0.70 | 32<br>1.26 | 25<br>0.98 | 58<br>2.28 | 22<br>0.87 | 127<br>5.00 | 4500    | 0.005<br>0.0002 |       |
| C101110   | MT3   | 23.83<br>0.94 | 41<br>1.61 | 30<br>1.18 | 67<br>2.64 | 23<br>0.91 | 153<br>6.02 | 3500    | 0.005<br>0.0002 |       |
| C101210   | MT4   | 31.27<br>1.23 | 47<br>1.85 | 32<br>1.26 | 74<br>2.91 | 23<br>0.91 | 182<br>7.17 | 3000    | 0.005<br>0.0002 |       |

Interchangeable inserts.



| Model      | Interchangeable inserts | insert dimensions |               |          | Taper dimensions taper 1:5 |              |
|------------|-------------------------|-------------------|---------------|----------|----------------------------|--------------|
|            |                         | D mm/in.          | L mm/in.      | $\alpha$ | K1 mm/in.                  | I1 mm/in.    |
| MT2<br>MT3 | A                       | 30<br>1.18        | 40<br>1.57    | 70°      | 12<br>0.47                 | 15.5<br>0.61 |
|            | B                       | 6<br>0.24         | 38.5<br>1.52  | 60°      |                            |              |
|            | C                       | 7.5<br>0.30       | 38.5<br>1.52  | 60°      |                            |              |
|            | D                       | 10<br>0.39        | 38.5<br>1.52  | 60°      |                            |              |
|            | E                       | 12.5<br>0.49      | 29.41<br>1.16 | 60°      |                            |              |
|            | F                       | 10<br>0.39        | 32<br>1.26    | 60°      |                            |              |
| MT4        | A                       | 15.7<br>0.62      | 44<br>1.73    | 70°      | 15.7<br>0.62               | 20.4<br>0.80 |
|            | B                       | 15.7<br>0.62      | 49<br>1.93    | 60°      |                            |              |
|            | C                       | 15.7<br>0.62      | 50<br>1.97    | 60°      |                            |              |
|            | D                       | 15.7<br>0.62      | 47<br>1.85    | 60°      |                            |              |
|            | E                       | 15.7<br>0.62      | 43<br>1.69    | 60°      |                            |              |
|            | F                       | 15.7<br>0.62      | 43<br>1.69    | 60°      |                            |              |

Taper 1:7.5, in gauge accuracy





超重负荷回转顶尖 (10-15吨)

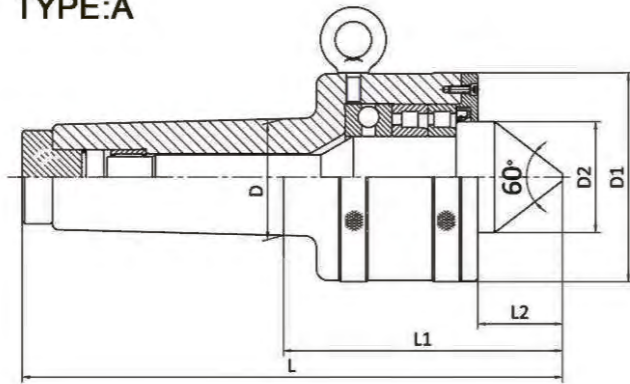
▼C111010-C111210 订单号Order NO.

SUPER-LOAD TYPE(10-15T)

TYPE:A



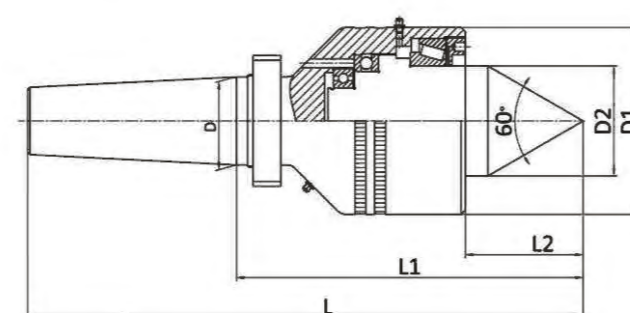
TYPE:A



TYPE:B



TYPE:B



- A型顶尖采用圆柱滚子轴承, 推力球轴承和滚针轴承
- B型采用圆柱滚子轴承, 推力球轴承和深沟球轴承
- 回转尖采用优质钢材料, 淬火硬度HRC60±2
- 头部有加油孔, 可对内部轴承加油保养, 从而延长顶尖使用寿命
- 前端有防尘圈, 防止切削液和灰尘进入轴承, 延长了顶尖使用寿命

- The A Type live center has a combination of double-row cylindrical roller bearing, thrust ball bearing and needle bearing, The B Type live center has a combination of tapered roller bearing thrust ball bearing and deep groove ball bearing
- Rotating point is made of high quality alloy steel, heated to HRC 60±2
- Oil filler is available in the head part, able to refill oil and maintain the internal bearing for extend the service life
- The anti-dust seal can prevent cutting fluid and dust from into the center bearing.

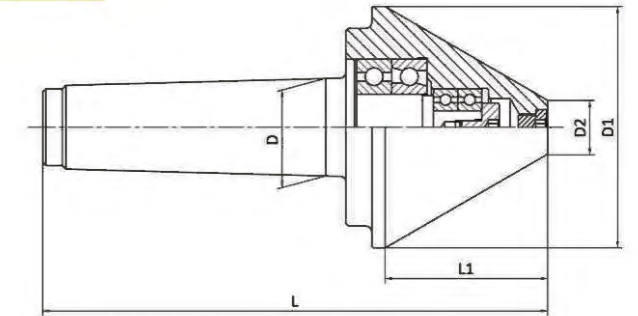
| Order NO. | Model | D mm/in.       | D1 mm/in.   | D2 mm/in.   | L1 mm/in.     | L2 mm/in.     | L mm/in.       | Weight of workpiece (KG) | Max RPM | Accuracy mm/in. | N.W. (kg) | Type | Price |
|-----------|-------|----------------|-------------|-------------|---------------|---------------|----------------|--------------------------|---------|-----------------|-----------|------|-------|
| C111010   | MT6   | 63.348<br>2.49 | 160<br>6.30 | 80<br>3.15  | 225<br>8.86   | 82<br>3.23    | 453<br>17.83   | 10000                    | 1000    | 0.01<br>0.0004  | 25        | A    |       |
| C111110   | HS80  | 80<br>3.15     | 170<br>6.69 | 100<br>3.94 | 298<br>11.73  | 98<br>3.86    | 488<br>19.21   | 10000                    | 650     | 0.01<br>0.0004  | 35        | B    |       |
| C111210   | HS100 | 100<br>3.94    | 198<br>7.80 | 110<br>4.33 | 258.5<br>4.09 | 101.5<br>4.00 | 508.5<br>20.02 | 15000                    | 500     | 0.01<br>0.0004  | 48.3      | A    |       |



伞形顶尖

▼C121010-C122210 订单号Order NO.

BULL NOSE CENTER

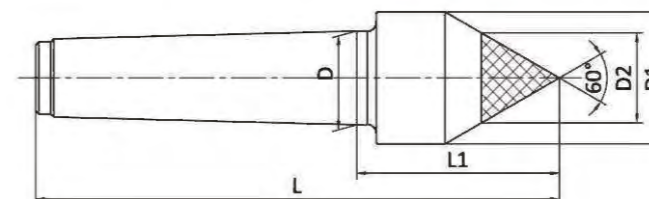


| Order NO. | Model         | D mm/in.       | D1 mm/in.     | D2 mm/in.  | L1 mm/in.     | L mm/in.    | TIR mm/in.     | θ   | N.W. kg | Price |
|-----------|---------------|----------------|---------------|------------|---------------|-------------|----------------|-----|---------|-------|
| C121010   | SX×63-MT.2    | 17.78<br>0.70  | 63<br>2.48    | 12<br>0.47 | 46<br>1.81    | 132<br>5.20 | 0.01<br>0.0004 | 60° | 0.90    |       |
| C121110   | SX×76.7-MT.2  | 17.78<br>0.70  | 67.6<br>2.66  | 25.4<br>1  | 44.43<br>1.75 | 131<br>5.16 | 0.01<br>0.0004 | 60° | 1.28    |       |
| C121210   | SX×63-MT.3    | 23.825<br>0.94 | 63<br>2.48    | 12<br>0.47 | 44<br>1.73    | 160<br>6.30 | 0.01<br>0.0004 | 60° | 1.25    |       |
| C121310   | SX×78-MT.3    | 23.825<br>0.94 | 78<br>3.07    | 15<br>0.59 | 52<br>2.05    | 156<br>6.14 | 0.01<br>0.0004 | 70° | 1.3     |       |
| C121410   | SX×107-MT.3   | 23.825<br>0.94 | 107<br>4.21   | 25<br>0.98 | 59<br>2.32    | 161<br>6.34 | 0.01<br>0.0004 | 70° | 2.90    |       |
| C121510   | SX×63-MT.4    | 31.267<br>1.23 | 63<br>2.48    | 12<br>0.47 | 44<br>1.73    | 181<br>7.13 | 0.01<br>0.0004 | 60° | 1.55    |       |
| C121610   | SX×78-MT.4    | 31.267<br>1.23 | 78<br>3.07    | 15<br>0.59 | 5<br>1.77     | 178<br>7.01 | 0.01<br>0.0004 | 70° | 1.8     |       |
| C121710   | SX×106-MT.4   | 31.267<br>1.23 | 106<br>4.17   | 25<br>0.98 | 59<br>2.32    | 183<br>7.20 | 0.01<br>0.0004 | 70° | 2.90    |       |
| C121810   | SX×128-MT.4   | 31.267<br>1.23 | 128<br>5.04   | 40<br>1.57 | 73<br>2.87    | 193<br>7.60 | 0.01<br>0.0004 | 70° | 4.75    |       |
| C121910   | SX×129.3-MT.4 | 31.267<br>1.23 | 129.3<br>5.09 | 30<br>1.18 | 64.4<br>2.54  | 195<br>7.68 | 0.01<br>0.0004 | 75° | 4.84    |       |
| C122010   | SX×128-MT.5   | 44.399<br>1.75 | 128<br>5.04   | 40<br>1.57 | 62.8<br>2.47  | 222<br>8.74 | 0.01<br>0.0004 | 70° | 5.8     |       |
| C122110   | SX×168-MT.5   | 44.399<br>1.75 | 168<br>6.61   | 40<br>1.57 | 83.4<br>3.28  | 247<br>9.72 | 0.01<br>0.0004 | 75° | 10.50   |       |
| C122210   | SX×206-MT.5   | 44.399<br>1.75 | 206<br>8.11   | 81<br>3.19 | 98<br>3.86    | 246<br>9.69 | 0.01<br>0.0004 | 70° | 18.00   |       |

加大合金固定顶尖

▼C131010-C131310 订单号Order NO.

OVERSIZED ALLOY DEAD CENTER



The alloy in the head part is increased for this nter, applicable to processing of large datum holes.

| Order NO. | Model | D mm/in.       | D1 mm/in.  | D2 mm/in.  | L1 mm/in.    | L mm/in.    | Price |
|-----------|-------|----------------|------------|------------|--------------|-------------|-------|
| C131010   | MT2   | 17.78<br>0.70  | 32<br>1.26 | 24<br>0.94 | 61<br>2.40   | 125<br>4.92 |       |
| C131110   | MT3   | 23.825<br>0.94 | 32<br>1.26 | 24<br>0.94 | 59<br>2.32   | 140<br>5.51 |       |
| C131210   | MT4   | 31.267<br>1.23 | 44<br>1.73 | 30<br>1.18 | 67.5<br>2.66 | 170<br>6.69 |       |
| C131310   | MT5   | 44.399<br>1.75 | 46<br>1.81 | 30<br>1.18 | 85.5<br>3.37 | 215<br>8.46 |       |



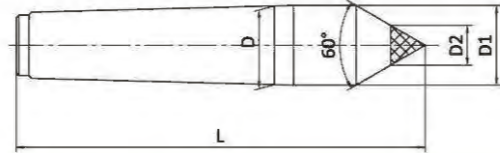




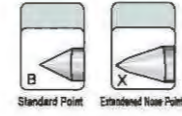
固定顶尖

▼C141010-C141115 订单号 Order NO.

DEAD CENTER



▼可选配 OPTIONAL

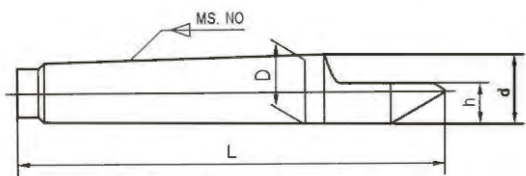


| Order NO. | Model | D mm/in.       | D1 mm/in.    | D2 mm/in.  | L mm/in.     | N.W. kg | Price |
|-----------|-------|----------------|--------------|------------|--------------|---------|-------|
| C141010   | MT1   | 12.065<br>0.48 | 12.2<br>0.48 | -          | 80<br>3.15   | 0.06    |       |
| C141011   | MT2   | 17.78<br>0.70  | 18<br>0.71   | -          | 100<br>3.94  | 0.15    |       |
| C141012   | MT3   | 23.825<br>0.94 | 24.1<br>0.95 | -          | 125<br>4.92  | 0.34    |       |
| C141013   | MT4   | 31.267<br>1.23 | 31.6<br>1.24 | -          | 160<br>6.30  | 0.75    |       |
| C141014   | MT5   | 44.399<br>1.75 | 44.7<br>1.76 | -          | 200<br>7.87  | 1.83    |       |
| C141015   | MT6   | 63.348<br>2.49 | 63.8<br>2.51 | -          | 270<br>10.63 | 5.23    |       |
| C141110   | MT1H  | 12.065<br>0.48 | 12.2<br>0.48 | 8<br>0.31  | 80<br>3.15   | 0.06    |       |
| C141111   | MT2H  | 17.78<br>0.70  | 18<br>0.71   | 8<br>0.31  | 100<br>3.94  | 0.15    |       |
| C141112   | MT3H  | 23.825<br>0.94 | 24.1<br>0.95 | 12<br>0.47 | 125<br>4.92  | 0.34    |       |
| C141113   | MT4H  | 31.267<br>1.23 | 31.6<br>1.24 | 15<br>0.59 | 160<br>6.30  | 0.75    |       |
| C141114   | MT5H  | 44.399<br>1.75 | 44.7<br>1.76 | 18<br>0.71 | 200<br>7.87  | 1.83    |       |
| C141115   | MT6H  | 63.348<br>2.49 | 63.8<br>2.51 | 24<br>0.94 | 270<br>10.63 | 5.23    |       |

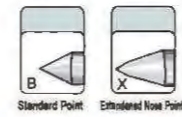
半缺顶尖

▼C151010-C151115 订单号 Order NO.

HALF-NOTCHED CENTER



▼可选配 OPTIONAL



| Order NO. | Model | d mm/in.      | h mm/in.     | D mm/in.       | L mm/in.     | N.W. kg | Price |
|-----------|-------|---------------|--------------|----------------|--------------|---------|-------|
| C151010   | MT1   | 12.2<br>0.48  | 5.5<br>0.22  | 12.065<br>0.48 | 80<br>3.15   | 0.06    |       |
| C151011   | MT2   | 17.78<br>0.71 | 6<br>0.24    | 17.78<br>0.70  | 100<br>3.94  | 0.15    |       |
| C151012   | MT3   | 24.1<br>0.95  | 9<br>0.35    | 23.825<br>0.94 | 125<br>4.92  | 0.34    |       |
| C151013   | MT4   | 31.6<br>1.24  | 12.5<br>0.49 | 31.267<br>1.23 | 160<br>6.30  | 0.75    |       |
| C151014   | MT5   | 44.7<br>1.76  | 16<br>0.63   | 44.399<br>1.75 | 200<br>7.87  | 1.83    |       |
| C151015   | MT6   | 63.8<br>2.51  | 22<br>0.87   | 63.348<br>2.49 | 270<br>10.63 | 5.23    |       |
| C151110   | MT1H  | 12.2<br>0.48  | 8<br>0.31    | 12.065<br>0.48 | 80<br>3.15   | 0.06    |       |
| C151111   | MT2H  | 17.78<br>0.71 | 8<br>0.31    | 17.78<br>0.70  | 100<br>3.94  | 0.15    |       |
| C151112   | MT3H  | 24.1<br>0.95  | 12<br>0.47   | 23.825<br>0.94 | 125<br>4.92  | 0.34    |       |
| C151113   | MT4H  | 31.6<br>1.24  | 15<br>0.59   | 31.267<br>1.23 | 160<br>6.30  | 0.75    |       |
| C151114   | MT5H  | 44.7<br>1.76  | 18<br>0.71   | 44.399<br>1.75 | 200<br>7.87  | 1.83    |       |
| C151115   | MT6H  | 63.8<br>2.51  | 24<br>0.94   | 63.348<br>2.49 | 270<br>10.63 | 5.23    |       |



MC油压角固式虎钳

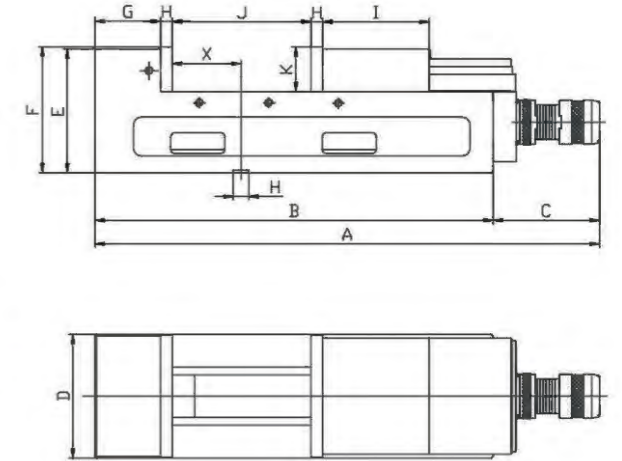
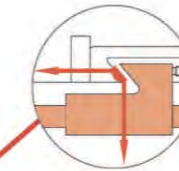
▼D010110-D010410 订单号 Order NO.

MC HYDRAULIC & ANGLE LOCK VISE

- 采用球状石墨化铸铁，抗拉强度高，耐磨性好
- 钳体与固定钳口一体成型不易变形
- 油压夹紧方式
- 导轨淬火硬度HRC35-42°，增加耐磨性和精度
- 磨光各表面尺寸一致性高，确保串联使用精度
- 角固装置防止所夹工件上浮
- 4种夹持方式
- 防尘设计
- 两钳口的平行度0.01/100mm  
两钳口对导轨面的垂直度0.015mm

- Made of spheroidal cast iron
- One piece casting of vise bed and flexed jaw
- Clamping system: hydraulic
- Vise bed flange hardened to HRC 35-42° and up takes up wear and maintain accuracy for long
- Ground surfaces ensure high-precision clamping, even when working with in-series connected vises
- Semi-spherical segment eliminates jaw lifting and workpiece tilting
- Four (4) different jaws set up can be obtained
- Chip covers is applied on this vise to prevent from chips falling to Leadscrew and inside of vise
- Face parallelism 0.01/100 mm, squareness 0.015mm

Each pound of force horizontally includes 1/2 pound of force vertically



| Order No. | Model      | A   | B   | C   | D   | E   | F   | G   | H   | I   | J     | K  | M  | X  | Clamping Force (kgf) | N.W. (kg) | Price |
|-----------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|----|----|----|----------------------|-----------|-------|
| D010110   | JMC-130HV  | 555 | 415 | 140 | 130 | 147 | 150 | 75  | 15  | 138 | 0-180 | 55 | 18 | 55 | 4500                 | 35/44     |       |
| D010210   | JMC-160HV  | 655 | 515 | 140 | 160 | 160 | 163 | 85  | 15  | 138 | 0-240 | 58 | 18 | 89 | 4500                 | 44/53     |       |
| D010310   | JMC-160XHV | 700 | 560 | 140 | 160 | 160 | 160 | 163 | 85  | 15  | 0-300 | 58 | 18 | 89 | 4500                 | 49/58     |       |
| D010410   | JMC-200HV  | 750 | 610 | 140 | 200 | 187 | 190 | 100 | 180 | 130 | 0-340 | 70 | 18 | 70 | 5000                 | 75/84     |       |





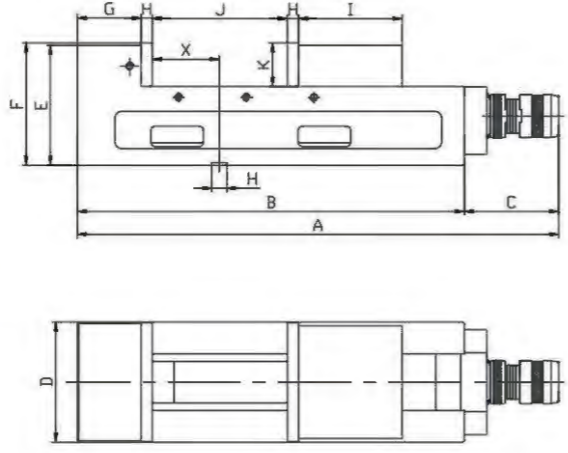
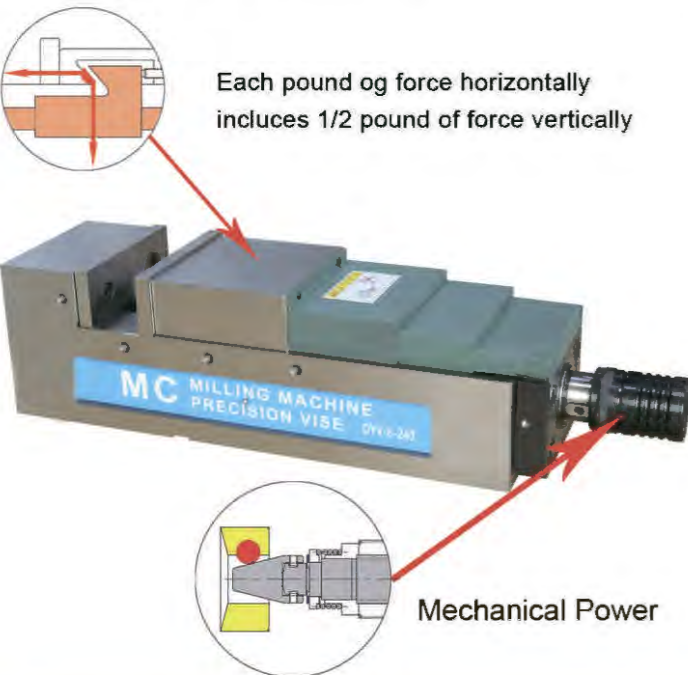
**MC机械倍力虎钳**

▼ **D010510-D010810** 订单号 Order NO.

**MC MECHANICAL (UNIVERSAL) POWER VISE**

- 采用球状石墨化铸铁，抗张力强，耐磨性高
- 钳体与固定钳口一体成型不易变形
- 导轨淬火硬度HRC35-42°，增加耐磨性和精度
- 磨光各表面尺寸一致性高，确保串联使用精度
- 4种夹持方式
- 采用独特的倍力增压结构，提供稳定的夹持力
- 防尘设计
- 两钳口的平行度0.01/100mm
- 两钳口对导轨面的垂直度0.015mm

- Made of spheroidal cast iron
- One piece casting of vise bed and fixed jaw
- Vise both sides of the slide hardened heat (HRC35-42°), ensure high precision and high wear resistance, high tensile strength
- Ground surfaces ensure high-precision clamping, even when working with in-series connected vises
- 4 work surfaces
- Mechanism design with rapid pressurization and high clamping force of the unique
- Spindle safety guard protects from chips
- Face parallelism 0.01/100 mm, squareness 0.015mm



| Order No. | Model      | A   | B   | C   | D   | E   | F   | G   | H   | I   | J     | K  | M  | X  | Clamping Force (kgf) | N.W. (kg) | Price |
|-----------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|----|----|----|----------------------|-----------|-------|
| D010510   | JMC-130MV  | 539 | 415 | 124 | 130 | 147 | 150 | 75  | 15  | 138 | 0-180 | 55 | 18 | 55 | 4500                 | 35/44     |       |
| D010610   | JMC-160MV  | 639 | 515 | 124 | 160 | 160 | 163 | 85  | 15  | 138 | 0-240 | 58 | 18 | 89 | 4500                 | 44/53     |       |
| D010710   | JMC-160XMV | 684 | 560 | 124 | 160 | 160 | 160 | 163 | 85  | 15  | 0-300 | 58 | 18 | 89 | 4500                 | 49/58     |       |
| D010810   | JMC-200MV  | 734 | 610 | 124 | 200 | 187 | 190 | 100 | 180 | 130 | 0-340 | 70 | 18 | 70 | 5000                 | 75/84     |       |



**高精精密角固式平口钳**

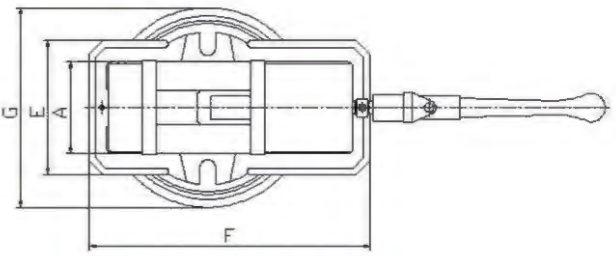
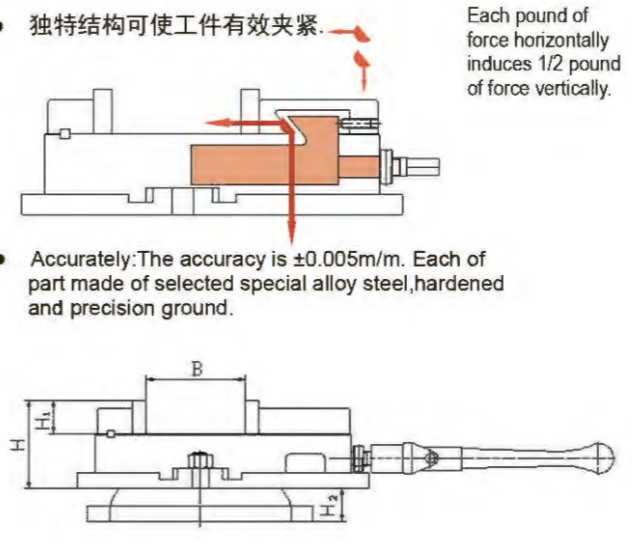
▼ **D011010-D011510** 订单号 Order NO.

**LOCK-TIGHT PRECISION MACHINE VISE**

特别适用于CNC加工中心具有很好的稳定和精度  
Especially suitable for CNC machining centers  
With good stability and accuracy



- 独特结构可使工件有效夹紧
- 可卸式曲柄，可加快紧固工作
- 钳口垫、道轨丝杆经淬火处理
- 两道轨对底面的平行度为0.005/100mm
- 两钳口垫对道轨面垂直度为0.01/100mm
- The unique structure allows to effectively clamp the workpiece
- Detachable crank to speed up the workpiece clamping
- Clamp mouth mat, slide screw the quenching process
- Two slide to the underside of the parallel degree for 0.005/100 mm
- Two clamp mouth to slide plane perpendicular to cushion for 0.01/100 mm



| Order No. | Model            | Jaw Width A (in./mm) | Jaw Opening B (in./mm) | Jaw Height H1 (in./mm) | H (in./mm)     | E (in./mm)     | F (in./mm)      | G (in./mm)      | Base Height H2 (in./mm) | N.W. (kg/lbs.) | Price |
|-----------|------------------|----------------------|------------------------|------------------------|----------------|----------------|-----------------|-----------------|-------------------------|----------------|-------|
| D011010   | LV-3"<br>LV-75   | 3<br>78              | 2-61/64<br>75          | 63/64<br>25            | 3-5/32<br>80   | 4-1/4<br>108   | 10-15/32<br>266 | 7-9/32<br>185   | 1-3/16<br>30            | 12<br>26.5     |       |
| D011110   | LV-4"<br>LV-100  | 4<br>105             | 4-21/64<br>110         | 1-9/64<br>29           | 3-37/64<br>91  | 6-3/16<br>157  | 12-3/4<br>324   | 9-7/32<br>234   | 1-29/64<br>37           | 23<br>51       |       |
| D011210   | LV-5"<br>LV-130  | 5<br>126             | 4-3/4<br>120           | 1-37/64<br>40          | 4-1/16<br>103  | 7-1/64<br>178  | 14-5/16<br>363  | 9-49/64<br>248  | 1-1/2<br>38             | 32<br>71       |       |
| D011310   | LV-6"<br>LV-150  | 6<br>150             | 6-5/16<br>160          | 1-7/8<br>48            | 4-27/32<br>123 | 8-11/32<br>212 | 16-21/32<br>423 | 12-1/4<br>310   | 1-1/2<br>38             | 48<br>107      |       |
| D011410   | LV-6"<br>LV-150X | 6<br>150             | 7-1/2<br>190           | 1-57/64<br>48          | 4-27/32<br>123 | 8-15/32<br>215 | 17<br>432       | 12-13/64<br>310 | 1-1/2<br>38             | 50<br>110.5    |       |
| D011510   | LV-8"<br>LV-200  | 8<br>206             | 8-19/32<br>218         | 2-23/64<br>60          | 5-45/64<br>145 | 10-3/4<br>273  | 21-21/32<br>550 | 14-13/32<br>366 | 1-25/32<br>45           | 93<br>206      |       |





## 角固式等高精密平口钳

▼ D021010-D021510 订单号 Order NO.

HIGH LOCK-TIGHT PRECISION MACHINE VISE

在加工中心上连组使用效率更高  
Machining center with the group more efficient



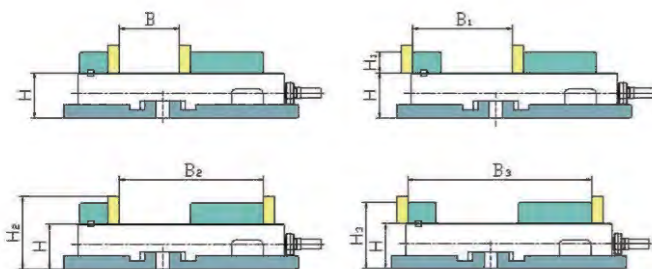
- 等高精密平口钳组为2件时:  
High precision vises for 2 workpiece  
H ≤ 0.005 H1 ≤ 0.005  
H2 ≤ 0.005 H3 ≤ 0.005



- 等高精密平口钳组为3-5工件时:  
High precision vises for 3 to 5 workpiece  
H ≤ 0.008 H1 ≤ 0.008  
H2 ≤ 0.008 H3 ≤ 0.008



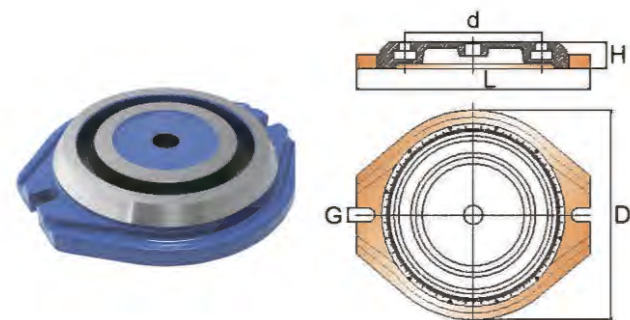
| Order NO. | Model    | Maximum jaw opening Capacity(mm/in.) |          |          |          | Price |
|-----------|----------|--------------------------------------|----------|----------|----------|-------|
|           |          | B                                    | B1       | B2       | B3       |       |
| D021010   | LV-75S   | 75                                   | 115      | 160      | 200      |       |
|           | LV-3"S   | 2-61/64                              | 4-17/32  | 6-19/64  | 7-7/8    |       |
| D021110   | LV-100S  | 110                                  | 152      | 218      | 208      |       |
|           | LV-4"S   | 4-21/64                              | 5-63/64  | 8-37/64  | 8-3/16   |       |
| D021210   | LV-125S  | 120                                  | 165      | 247      | 305      |       |
|           | LV-5"S   | 4-23/32                              | 6-1/2    | 9-47/64  | 12       |       |
| D021310   | LV-150S  | 160                                  | 220      | 315      | 380      |       |
|           | LV-6"S   | 6-19/64                              | 8-21/32  | 12-13/32 | 14-31/32 |       |
| D021410   | LV-150XS | 190                                  | 258      | 330      | 399      |       |
|           | LV-6"XS  | 7-31/64                              | 10-5/32  | 13       | 15-23/32 |       |
| D021510   | LV-200S  | 218                                  | 276      | 389      | 470      |       |
|           | LV-8"S   | 8-37/64                              | 10-55/64 | 15-5/16  | 18-1/2   |       |



## 底座

▼ D031010-D031410 订单号 Order NO.

SWIVEL BASE



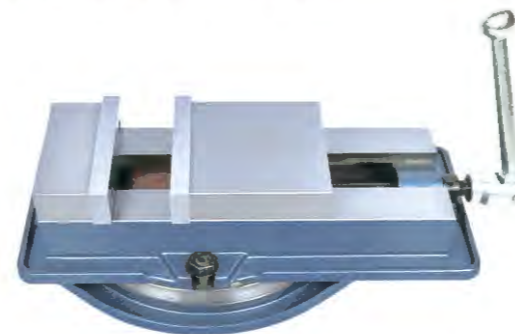
| Order No. | Model  | Applicable vise | L mm/in. | D mm/in. | d mm/in. | H mm/in. | G mm/in. | N.W. kg/lbs. | Price |
|-----------|--------|-----------------|----------|----------|----------|----------|----------|--------------|-------|
| D031010   | SB-3LV | LV-75           | 218      | 185      | 112      | 30       | 14       | 3.8          |       |
|           |        | LV-3"           | 8-19/32  | 7-9/32   | 4-13/32  | 1-3/16   | 35/64    | 8.4          |       |
| D031110   | SB-4LV | LV-100          | 250      | 234      | 140      | 37       | 16       | 5            |       |
|           |        | LV-4"           | 10       | 9-7/32   | 5-33/64  | 1-29/64  | 5/8      | 11.1         |       |
| D031210   | SB-5LV | LV-130          | 273      | 248      | 165      | 38       | 16       | 7            |       |
|           |        | LV-5"           | 10-3/4   | 9-49/64  | 6-1/2    | 1-1/2    | 5/8      | 15.5         |       |
| D031310   | SB-6LV | LV-150(6")      | 345      | 310      | 202      | 38       | 18       | 11           |       |
|           |        | LV-150(6")X     | 13-37/64 | 12-1/4   | 7-61/64  | 1-1/2    | 23/32    | 24.3         |       |
| D031410   | SB-8LV | LV-200          | 392      | 366      | 255      | 45       | 18       | 20           |       |
|           |        | LV-8"           | 15-7/16  | 14-13/32 | 10       | 1-25/32  | 23/32    | 44           |       |



## QM系列平口钳

▼ D041010-D041610 订单号 Order NO.

QM SERIES MACHINE VICE



### 性能及特点:

- 本产品是铣床、钻床的主要附件之一，它尤其适用于精密部件的加工。
- 两钳口的平行度、两钳口中对导轨面垂直度 ≤ 0.025mm/100mm.
- 当活动钳口水平移动时，它上面的半圆球会有一个垂直向下的压力，因此夹持工件不会上浮。
- 钳口张开度可根据四个方向改变。

### Performance and character:

- It is one of main attachments for milling, drilling machine, it is particularly suitable for the finishing of precision parts.
- The accuracy of vice(parallelism and squareness) is 0.025mm/100mm.
- The special segment in the movable jaw forces the vertical pressure downward when the horizontal pressure works so that this jaw does not lift the workpiece.
- Four positions allow extra capacity to change opening of jaw.

| Order No. | Model        | Width of Jaw (mm/in.) | Height of Jaw (mm/in.) | Max. Opening (mm/in.) | N.W. (kg/lbs.) | Packing Size (mm/in.) | Price |
|-----------|--------------|-----------------------|------------------------|-----------------------|----------------|-----------------------|-------|
| D041010   | QM1690(3")   | 75                    | 25                     | 75                    | 9              | 320x210x130           |       |
|           |              | 3                     | 1                      | 3                     | 19.8           | 12.5x8.3x5.1          |       |
| D041110   | QM16100(4")  | 100                   | 32                     | 100                   | 16             | 380x250x180           |       |
|           |              | 4                     | 1-1/4                  | 4                     | 36             | 15x9.9x7.1            |       |
| D041210   | QM16125(5")  | 125                   | 40                     | 125                   | 20             | 460x290x190           |       |
|           |              | 5                     | 1-9/16                 | 5                     | 45             | 18.1x11.4x7.5         |       |
| D041310   | QM16160(6")  | 160                   | 45                     | 150                   | 35             | 480x320x220           |       |
|           |              | 6-19/64               | 1-49/64                | 6                     | 77.5           | 18.9x12.6x8.7         |       |
| D041410   | QM16160(6")X | 160                   | 45                     | 190                   | 35             | 480x320x220           |       |
|           |              | 6-19/64               | 1-49/64                | 7-31/64               | 77.5           | 18.9x12.6x8.7         |       |
| D041510   | QM16200(8")  | 202                   | 50                     | 190                   | 55             | 580x360x260           |       |
|           |              | 8                     | 2                      | 7-31/64               | 124            | 22.8x14.2x10.2        |       |
| D041610   | QM16250(10") | 254                   | 75                     | 290                   | 96             |                       |       |
|           |              | 10                    | 2-61/64                | 11-27/64              | 212            |                       |       |

## QMN系列平口钳

▼ D051010-D051110 订单号 Order NO.

QMN SERIES MACHINE VICE



### 性能及特点:

- 钳体采用高韧性球墨铸铁精密加工而成。
- 角固式夹紧结构可防止工件上浮。
- 两钳口的平行度、两钳口中对导轨面垂直度 ≤ 0.025mm/100mm.
- 平口钳可单台使用，也可多台并排使用。
- 广泛用于加工中心等精密机床。

### Performance and character:

- It adopts the ductile cast iron with high durability.
- The locking structure with the angle-fixed shape can prevent the workpiece from rising during the operation.
- Both parallelism and verticality about the two jaws are 0.025mm/100mm.
- It can be used by single set or several sets side by side.
- It is widely used for precision machines in the machine center.
- Four positions allow extra capacity to change opening of jaw.

| Order No. | Model        | Width of Jaw (mm/in.) | Height of Jaw (mm/in.) | Max. Opening (mm/in.) | N.W. (kg/lbs.) | Packing Size (mm/in.) | Price |
|-----------|--------------|-----------------------|------------------------|-----------------------|----------------|-----------------------|-------|
| D051010   | QMN16100(4") | 100                   | 32                     | 100                   | 11             | 380x165x150           |       |
|           |              | 4                     | 1-17/64                | 4                     | 24.5           | 15x6.5x5.9            |       |
| D051110   | QMN16160(6") | 160                   | 45                     | 160                   | 28             | 490x200x210           |       |
|           |              | 6-19/64               | 1-49/64                | 6-19/64               | 62             | 19.3x7.9x8.2          |       |





## Q12系列平口钳

▼ D061010-D061410 订单号 Order NO.

### Q12 SERIES MACHINE VICE



#### 性能及特点:

- 采用高质量的普通铸铁材料。
- 两钳口的平行度、两钳口中对导轨面垂直度 ≤ 0.025mm/100mm。
- 广泛用于铣床、钻床等进口各种平面、沟槽、角度、孔等加工。

#### Performance and character:

- It adopts the high-quality cast irons.
- Both parallelism and verticality about the two jaws are 0.025mm/100mm.
- It is widely used for the milling machine and the drilling machine to process some surface, slots and holes.

| Order No. | Model      | Width of Jaw (mm/in.) | Height of Jaw (mm/in.) | Max. Opening (mm/in.) | N.W. (kg/lbs.) | Packing Size (mm/in.)        | Price |
|-----------|------------|-----------------------|------------------------|-----------------------|----------------|------------------------------|-------|
| D061010   | Q1280(3")  | 80<br>3-5/32          | 32<br>1-1/4            | 63<br>2-31/64         | 7<br>16        | 270x300x130<br>10.6x11.8x5.1 |       |
| D061110   | Q12100(4") | 100<br>3-15/16        | 35<br>1-3/8            | 80<br>3-5/32          | 11<br>24.5     | 280x300x140<br>11x11.8x5.5   |       |
| D061210   | Q12125(5") | 125<br>4-59/64        | 40<br>1-37/64          | 100<br>3-15/16        | 17<br>37.5     | 350x180x170<br>13.8x7.1x6.7  |       |
| D061310   | Q12160(6") | 160<br>6-19/64        | 52<br>2-3/64           | 125<br>4-59/64        | 33<br>73       | 450x240x250<br>17.7x9.4x9.8  |       |
| D061410   | Q12200(8") | 200<br>7-7/8          | 63<br>2-31/64          | 160<br>6-19/64        | 44<br>97.5     | 510x260x210<br>20x10.2x8.3   |       |

## Q13系列平口钳

▼ D071010-D071410 订单号 Order NO.

### Q13 SERIES MACHINE VICE



#### 性能及特点:

- 采用高质量的普通铸铁材料。
- 两钳口的平行度、两钳口中对导轨面垂直度 ≤ 0.025mm/100mm。
- 广泛用于铣床、钻床等进口各种平面、沟槽、角度、孔等加工。

#### Performance and character:

- It adopts the high-quality cast irons.
- Both parallelism and verticality about the two jaws are 0.025mm/100mm.
- It is widely used for the milling machine and the drilling machine to process some surface, slots and holes.

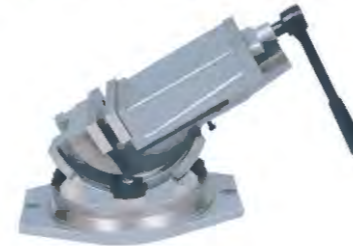
| Order No. | Model         | Width of Jaw (mm/in.) | Height of Jaw (mm/in.) | Max. Opening (mm/in.) | N.W. (kg/lbs.) | Packing Size (mm/in.)         | Price |
|-----------|---------------|-----------------------|------------------------|-----------------------|----------------|-------------------------------|-------|
| D071010   | Q13136(5.5")  | 136<br>5-23/64        | 36<br>1-27/64          | 170<br>6-11/16        | 16<br>35.5     | 450x200x180<br>17.7x7.9x7.1   |       |
| D071110   | Q13160(6")    | 160<br>6-19/64        | 51<br>2                | 180<br>7-3/32         | 26<br>57.5     | 450x200x200<br>17.7x7.9x7.9   |       |
| D071210   | Q13200(8")    | 200<br>7-7/8          | 64<br>2-33/64          | 220<br>8-21/32        | 37<br>82       | 510x240x220<br>20x9.4x8.7     |       |
| D071310   | Q13250(10")   | 250<br>9-27/32        | 64<br>2-33/64          | 280<br>11-1/64        | 55<br>122      | 610x320x250<br>24x12.6x9.8    |       |
| D071410   | Q13320(12.5") | 320<br>12-39/64       | 81<br>3-3/16           | 360<br>14-11/64       | 84<br>186      | 740x360x260<br>29.1x14.2x10.2 |       |



## Q41系列平口钳

▼ D081010-D081210 订单号 Order NO.

### Q41 SERIES MACHINE VICE



#### 性能及特点:

- 采用高质量的普通铸铁材料。
- 两钳口的平行度、两钳口中对导轨面垂直度 ≤ 0.025mm/100mm。
- 平口钳可以从水平位置到垂直位置 (0° -90°) 任意调整并锁紧, 带有回旋底座可360° 旋转。
- 广泛用于机床上加工各种角度的平面、槽、孔等。

#### Performance and character:

- It adopts the high-quality cast irons.
- Both parallelism and verticality about the two jaws are 0.025mm/100mm.
- The vice can be adjusted and locked at random from the horizontal position to the vertical position (0°-90°) with swivelling base being rotated 360°.
- It can be widely used for processing all kinds angles of surface, slots and holes.

| Order No. | Model      | Width of Jaw (mm/in.) | Height of Jaw (mm/in.) | Max. Opening (mm/in.) | N.W. (kg/lbs.) | Packing Size (mm/in.)       | Price |
|-----------|------------|-----------------------|------------------------|-----------------------|----------------|-----------------------------|-------|
| D081010   | Q41100(4") | 100<br>3-15/16        | 41<br>1-39/64          | 80<br>3-5/32          | 17<br>37.5     | 350x210x210<br>13.8x8.2x8.2 |       |
| D081110   | Q41125(5") | 125<br>4-59/64        | 45<br>1-49/64          | 95<br>3-3/4           | 27<br>60       | 410x250x220<br>16.1x9.8x8.6 |       |
| D081210   | Q41160(6") | 160<br>6-19/64        | 50<br>1-31/32          | 125<br>4-59/64        | 39<br>86.2     | 460x270x240<br>18x10.6x9.4  |       |

## 万向回转平口钳

▼ D091010 订单号 Order NO.

### UNIVERSAL VISE

- The vise is made of two parts: vise body and swivel base. Horizontal swivel goes through 360°, 45° angle tilts vertically. The accurate graduations and three-way features make it greatly suitable for straight, inclined surface or angular surface machining and drilling on grinders and milling machines.



- 此款钳子是由角固定精密平口钳和回转底座两部分组成, 夹持力强, 可借助刻度盘在水平面360° 范围旋转。在垂直平面上倾斜45°, 可用于精密磨床/铣床等进行平面。斜面及倾斜一定角度的斜孔加工。

| Order No. | Model | Jaw Width (mm/in.) | Jaw Opening (mm/in.) | Jaw Height (mm/in.) | Overall dimensions (mm/in.)    | N.W. (kg/lbs.) | Price |
|-----------|-------|--------------------|----------------------|---------------------|--------------------------------|----------------|-------|
| D091010   | UV-3" | 75<br>2-61/64      | 75<br>2-61/64        | 25<br>63/64         | 208x312x113<br>8.18x12.28x4.45 |                |       |

## 精密万向回转平口钳

▼ D101010-D101110 订单号 Order NO.

### PRECISION UNIVERSAL VISE

- The vise is made of two parts: vise body and swivel base. Horizontal swivel goes through 360°, 45° angle tilts vertically. The accurate graduations and three-way swivel feature make it greatly suitable for straight, inclined surface or angular surface machining and drilling on grinders and milling machines.



- 此款钳子是由精密工具平口钳和转盘底座两部分组成, 可借助刻度盘在水平面360° 范围内旋转, 在垂直平面上倾斜45°, 可用于精密磨床、铣床等进行平面、斜面及倾斜一定角度的斜孔加工。

| Order No. | Model   | Jaw Width (mm/in.) | Jaw Height (mm/in.) | Jaw Opening (mm/in.) | Overall dimensions (mm/in.)  | N.W. (kg/lbs.) | Price |
|-----------|---------|--------------------|---------------------|----------------------|------------------------------|----------------|-------|
| D101010   | PUV-75  | 70<br>2.76         | 30<br>1.18          | 85<br>3.35           | 195x110x137<br>7.7x4.3x5.4   | 15<br>33.2     |       |
| D101110   | PUV-125 | 120<br>4.72        | 40<br>1.57          | 155<br>6.1           | 400x180x210<br>15.7x7.08x8.3 |                |       |







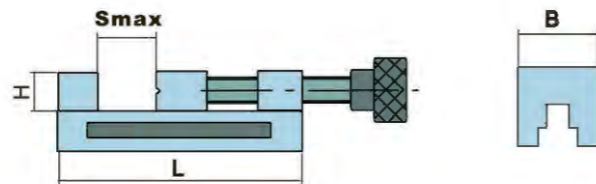
QGG 系列精密工具平口钳

▼ D111010-D112010 订单号 Order NO.

QGG PRECISION MACHINE VISE

- 采用优质合金结构钢制造，工作面硬度HRC58±2
- 独特的自动导向工艺设计，平行加紧，确保无偏移，无敞口
- 平行度0.005mm/100mm，垂直度0.005mm
- 可以夹紧快，操作灵活方便。
- 用于精密测量和检查，精密磨削及电火花
- 使用时无论横立、竖立、平放皆可保持高的精密度
- 丝杆热处理后加工，无变形，制作精细，旋转顺畅。

- Made of high-quality alloy steel.The hardness of working surface reaches HRC58±2
- Unique guided process design, ensure no offset, no open
- Parallelism 0.005mm/100mm,squareness 0.005mm
- Can quickly to clamp and easy and flexible operation
- Used for precision measurement and in spection precision grinding,EDM and wirecutting maching
- When using guarantee high accuracy in any position
- Main screw heat treatment later processing,non-deformation,the production of fine,rotated smoothly



| Order No. | Model   | B (mm/in.)    | H (mm/in.)    | Smax (mm/in.)  | L (mm/in.)      | N.W. (kg/lbs.) | Price |
|-----------|---------|---------------|---------------|----------------|-----------------|----------------|-------|
| D111010   | QGG50   | 50<br>2       | 25<br>1       | 63<br>2-1/2    | 155<br>6-7/64   | 3<br>6.6       |       |
| D111110   | QGG50A  | 50<br>2       | 25<br>1       | 65<br>2-9/16   | 155<br>6-7/64   | 3<br>6.6       |       |
| D111210   | QGG63   | 63<br>2-1/2   | 32<br>1-1/4   | 70<br>2-3/4    | 176<br>7-31/64  | 3.2<br>7.07    |       |
| D111310   | QGG63A  | 63<br>2-1/2   | 32<br>1-1/4   | 75<br>3        | 190<br>7-1/2    | 3.8<br>8.4     |       |
| D111410   | QGG73   | 73<br>3       | 35<br>1-3/8   | 75<br>3        | 190<br>7-1/2    | 4.5<br>9.9     |       |
| D111510   | QGG73A  | 73<br>3       | 35<br>1-3/8   | 90<br>3-1/2    | 210<br>8-17/64  | 5<br>11.1      |       |
| D111610   | QGG88   | 88<br>3-15/32 | 40<br>1-37/64 | 125<br>5       | 250<br>10       | 11<br>24.3     |       |
| D111710   | QGG100  | 100<br>4      | 41<br>1-5/8   | 120<br>4-3/4   | 255<br>10       | 12<br>26.5     |       |
| D111810   | QGG100A | 100<br>4      | 45<br>1-49/64 | 125<br>5       | 260<br>10-15/64 | 13<br>29       |       |
| D111910   | QGG125  | 125<br>5      | 50<br>2       | 160<br>6       | 300<br>11-13/16 | 19.5<br>43.1   |       |
| D112010   | QGG150  | 150<br>6      | 50<br>2       | 175<br>6-57/64 | 315<br>12-13/32 | 23.8<br>52.6   |       |



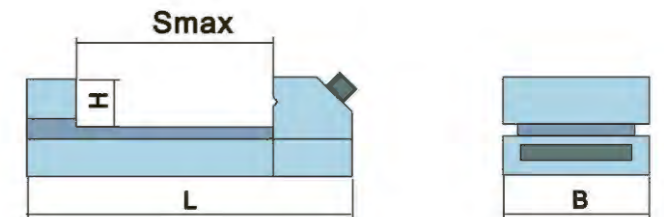
QKG 系列精密工具平口钳

▼ D121010-D121910 订单号 Order NO.

QKG PRECISION MACHINE VISE

- 采用优质合金结构钢制造，工作面硬度HRC58±2
- 独特的自动导向工艺设计，平行加紧，确保无偏移，无敞口
- 平行度0.005mm/100mm，垂直度0.005mm
- 可以夹紧快，操作灵活方便。
- 用于精密测量和检查，精密磨削及电火花
- 使用时无论横立、竖立、平放皆可保持高的精密度
- 丝杆热处理后加工，无变形，制作精细，旋转顺畅。

- Made of high-quality alloy steel.The hardness of working surface reaches HRC58±2
- Unique guided process design, ensure no offset, no open
- Parallelism 0.005mm/100mm,squareness 0.005mm
- Can quickly to clamp and easy and flexible operation
- Used for precision measurement and in spection precision grinding,EDM and wirecutting maching
- When using guarantee high accuracy in any position
- Main screw heat treatment later processing,non-deformation,the production of fine,rotated smoothly



| Order No. | Model  | B (mm/in.)    | H (mm/in.)    | Smax (mm/in.)  | L (mm/in.)      | N.W. (kg/lbs.) | Price |
|-----------|--------|---------------|---------------|----------------|-----------------|----------------|-------|
| D121010   | QKG26  | 26<br>1       | 9.15<br>23/64 | 22<br>55/64    | 65.4<br>2-37/64 | 0.5<br>1.1     |       |
| D121110   | QKG36  | 36<br>1-27/64 | 20<br>7/8     | 40<br>1-37/64  | 100<br>4        | 1.2<br>2.7     |       |
| D121210   | QKG38  | 38<br>1-1/2   | 20<br>7/8     | 44<br>47/64    | 105<br>4-9/64   | 1.3<br>2.9     |       |
| D121310   | QKG50  | 50<br>2       | 25<br>1       | 65<br>2-9/16   | 140<br>5-33/64  | 2<br>4.4       |       |
| D121410   | QKG63  | 63<br>2-1/2   | 32<br>1-17/64 | 85<br>3-23/64  | 175<br>6-57/64  | 3<br>6.6       |       |
| D121510   | QKG73  | 73<br>3       | 35<br>1-3/8   | 100<br>4       | 190<br>7-31/64  | 4.1<br>9.1     |       |
| D121610   | QKG88  | 88<br>3-15/32 | 40<br>1-37/64 | 125<br>5       | 235<br>9-1/4    | 7.3<br>16      |       |
| D121710   | QKG100 | 100<br>4      | 45<br>1-49/64 | 125<br>5       | 245<br>9-41/64  | 10<br>22       |       |
| D121810   | QKG125 | 125<br>5      | 50<br>2       | 160<br>6-19/64 | 285<br>11-7/32  | 18<br>40       |       |
| D121910   | QKG150 | 150<br>6      | 50<br>2       | 200<br>7-7/8   | 330<br>13       | 21.5<br>48     |       |







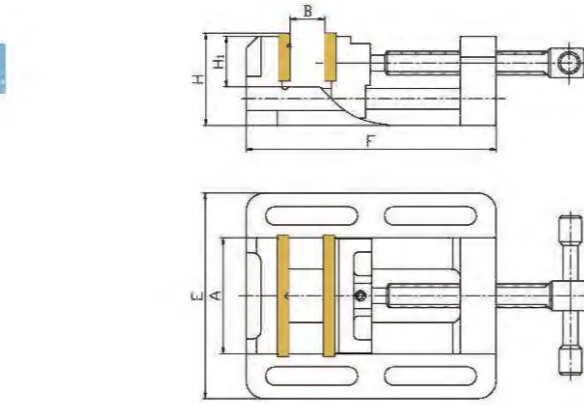
导杆式精密平口钳

▼ D131010-D131410 订单号 Order NO.

STANDARD DRILL PRESS VISE



- 材质:FC25应力消除, 不变形耐磨损, 抗拉强度高。
- 钳体之平行度与垂直度高适于各种机械加工之工件夹持。
- 可依加工方式做立置、倒置及卧置使用。
- material:FC25 Stress is eliminated, with high strength and durability. and no deformation
- The vise is good for different workpiece's clamping that have highly parallel and verticality
- According to use in horizontal and vertical position



| Order No. | Model     | Jaw Width A(in/mm.) | Jaw Opening B(in/mm.) | Jaw Height H1(in/mm.) | H (in/mm.)   | E (in/mm.)     | F (in/mm.)      | N.W. (kg/lbs.) | Price |
|-----------|-----------|---------------------|-----------------------|-----------------------|--------------|----------------|-----------------|----------------|-------|
| D131010   | 3"<br>75  | 3<br>75             | 2-63/64<br>76         | 1-3/8<br>35           | 2-7/16<br>62 | 5-7/16<br>138  | 6-9/16<br>166   | 7<br>15.5      |       |
| D131110   | 4"<br>100 | 4<br>100            | 4-1/64<br>102         | 1-27/32<br>46         | 2-7/8<br>73  | 6-7/16<br>163  | 7-1/2<br>190    | 8<br>17.7      |       |
| D131210   | 5"<br>130 | 5<br>130            | 5-5/16<br>135         | 1-63/64<br>50         | 3-5/16<br>84 | 7-7/8<br>200   | 8-27/32<br>225  | 12<br>26.5     |       |
| D131310   | 6"<br>160 | 6<br>160            | 5-63/64<br>152        | 1-1/16<br>53          | 3-9/16<br>91 | 9-7/16<br>240  | 10-27/32<br>275 | 15<br>33.2     |       |
| D131410   | 8"<br>200 | 8<br>200            | 7-63/64<br>203        | 1-1/16<br>53          | 3-9/16<br>93 | 11-9/16<br>293 | 14-1/64<br>356  | 24<br>53.1     |       |

导杆式精密角度钳

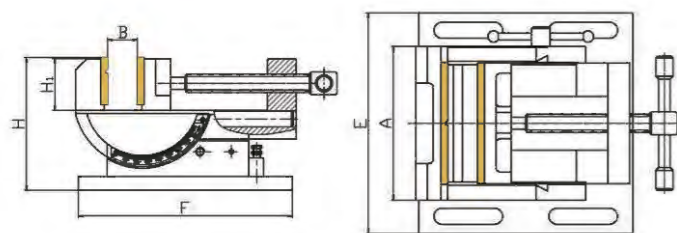
▼ D141010-D141110 订单号 Order NO.

ANGLE VISE



- 滑座之滑动采圆棒轨式设计, 减少滑动游隙公差, 夹持不松脱, 且稳固精准。
- 碟式锁紧装置, 提高加工安全性且紧密设定读数。
- 另有0°、15°、30°、45°、60°、75°、90°定位孔, 附定位销做快速定位。
- 刻度指示片, 可给于0°至90°的角度指示。
- 有别于传统的方型滑轨设计使角度操作更为稳定顺畅。
- Slide the seat of the mining rod rail design to reduce sliding clearance tolerances, clamping is not loose, accurate and robust.
- Disc locking device can improve the processing security settings and close readings.
- Otherwise 0°, 15°, 30°, 45°, 60°, 75°, 90° positioning hole, the positioning pin is attached to do a quick positioning.
- Scale indication sheets, indication can be given on the angle 0° to 90°.
- The design unlike traditional rectangular slide makes the operation more stable and smooth angles.

| Order No. | Model     | Jaw Width A(in/mm.) | Jaw Opening B(in/mm.) | Jaw Height H1(in/mm.) | H (in/mm.)     | E (in/mm.)     | F (in/mm.)    | N.W. (kg/lbs.) | Price |
|-----------|-----------|---------------------|-----------------------|-----------------------|----------------|----------------|---------------|----------------|-------|
| D141010   | 3"<br>75  | 3<br>75             | 2-63/64<br>76         | 1-3/8<br>35           | 4-1/8<br>104.5 | 6-21/32<br>170 | 6-9/16<br>167 | 6.5<br>14.4    |       |
| D141110   | 4"<br>100 | 4<br>100            | 4-1/64<br>102         | 1-27/32<br>46         | 4-1/2<br>115   | 7-9/16<br>192  | 7-5/16<br>186 | 9<br>19.9      |       |



组合压板

▼ D151010-D152611 订单号 Order NO.

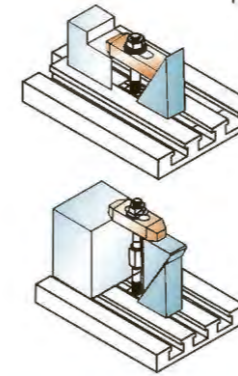
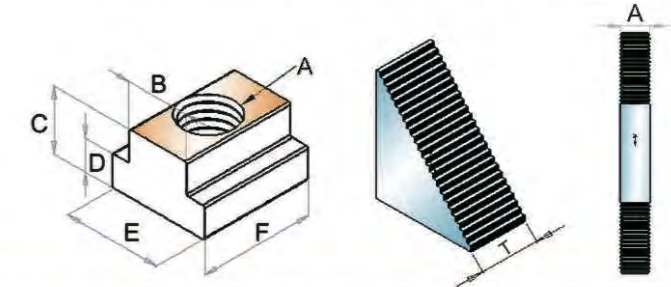
CLAMPING KIT

Type A



塑料架 Plastic Frame  
有三个规格: 3、4、5  
Three type: 3、4、5

Type B



| 包装方式 Packing      | 52PCS组合 (塑料架、木架、木箱)<br>52PCS set(plastic frame/wooden tray/wooden case) | 50PCS组合 (木架、木箱)<br>50PCS set(wooden tray/wooden case) | 38PCS组合 (木架)<br>38PCS set(wooden tray) |
|-------------------|---|---|--|
| 双头牙螺杆 Stud        | 24pcs   | 24pcs   | 24pcs                                  |
| T型螺帽 T-slot nut   | 6pcs  | 6pcs  | 6pcs                                   |
| 法兰螺帽 Flang nut    | 6pcs  | 4pcs  | 4pcs                                   |
| 连接螺帽 Coupling nut | 4pcs  | 4pcs  | 4pcs                                   |
| 齿形压板 Step clamp   | 6pcs  | 6pcs  |  |
| 三角级枕 Step block   | 6sets(12pcs)  | 6sets(12pcs)  |  |

| Order No. | Type      | A mm/in  | B mm/in | E mm/in | F mm/in | C mm/in | D mm/in | T mm/in | Packing       | Price |
|-----------|-----------|----------|---------|---------|---------|---------|---------|---------|---------------|-------|
| D151010   | CK-M6     | M6       | 8       | 13      | 13      | 10      | 6       | 25      | Plastic frame |       |
| D151110   | CK-M8     | M8       | 10      | 17      | 17      | 12      | 6       | 25      | Plastic frame |       |
| D151210   | CK-M10    | M10      | 12      | 18      | 20      | 14      | 7       | 25      | Plastic frame |       |
| D151310   | CK-M12    | M12      | 14      | 22      | 25      | 16      | 8       | 25      | Plastic frame |       |
| D151410   | CK-M14    | M14      | 16      | 25      | 25      | 16      | 10      | 25      | Plastic frame |       |
| D151510   | CK-M16    | M16      | 18      | 29      | 30      | 19      | 10.5    | 27      | Plastic frame |       |
| D151610   | CK-M18    | M18      | 20      | 35      | 35      | 26      | 15      | 32      | Plastic frame |       |
| D151710   | CK-M20    | M20      | 22      | 35      | 35      | 26      | 15      | 32      | Plastic frame |       |
| D151810   | CK-M22    | M22      | 24      | 40      | 40      | 28      | 15      | 32      | Plastic frame |       |
| D151910   | CK-M24    | M24      | 28      | 45      | 45      | 30      | 15      | 32      | Plastic frame |       |
| D152010   | CK-M30    | M30      | 35      | 55      | 65      | 40      | 20      | 32      | Plastic frame |       |
| D152110   | CK-5/16   | 5/16"-18 | 3/8"    | 5/8"    | 7/8"    | 1/2"    | 3/16"   | 25      | Plastic frame |       |
| D152210   | CK-3/8S   | 3/8"-16  | 7/16"   | 11/16"  | 7/8"    | 1/2"    | 7/32"   | 25      | Plastic frame |       |
| D152211   | CK-3/8M   | 3/8"-16  | 1/2"    | 7/8"    | 7/8"    | 1/2"    | 9/32"   | 25      | Plastic frame |       |
| D152212   | CK-3/8L   | 3/8"-16  | 9/16"   | 7/8"    | 1"      | 5/8"    | 1/32"   | 25      | Plastic frame |       |
| D152310   | CK-1/2S   | 1/2"-12  | 9/16"   | 7/8"    | 1"      | 5/8"    | 3/8"    | 25      | Plastic frame |       |
| D152311   | CK-1/2M   | 1/2"-12  | 5/8"    | 1"      | 1"      | 5/8"    | 3/8"    | 25      | Plastic frame |       |
| D152410   | CK-1/2-13 | 1/2"-13  | 11/16"  | 1-1/8"  | 1-1/4"  | 3/4"    | 7/16"   | 25      | Plastic frame |       |
| D152510   | CK-5/8S   | 5/8"-11  | 11/16"  | 1-1/8"  | 1-1/4"  | 3/4"    | 7/16"   | 27      | Plastic frame |       |
| D152511   | CK-5/8M   | 5/8"-11  | 3/4"    | 1-1/4"  | 1-1/4"  | 3/4"    | 15/32"  | 27      | Plastic frame |       |
| D152512   | CK-5/8L   | 5/8"-11  | 13/16"  | 1-1/4"  | 1-1/2"  | 7/8"    | 9/16"   | 27      | Plastic frame |       |
| D152610   | CK-3/4S   | 3/4"-10  | 7/8"    | 1-1/2"  | 1-1/2"  | 7/8"    | 9/16"   | 32      | Plastic frame |       |
| D152611   | CK-3/4M   | 3/4"-10  | 1"      | 1-5/8"  | 1-1/2"  | 7/8"    | 9/16"   | 32      | Plastic frame |       |





精密公制平行块系列

▼ D161010-D162710 订单号 Order NO.

METRIC PRECISION PARALLEL SERIES



- 硬度: HRC52-58
- 尺寸公差: 0.005mm
- 平行度: 0.005mm
- 垂直度: 0.005mm

- Hardened and ground to HRC52-58
- Tolerance of dimension: 0.0002"
- Depth of parallelism: 0.0002"
- Squareness: 0.0002"

| Order No. | Model  | SPECIFICATION(mm)<br>(LxWxH)  | Pcs  | Price |
|-----------|--------|---|------|-------|
| D161010   | JHM-01 | 120x8x(12.17.22.25.28.32.36.38.)  | 8*2  |       |
| D161110   | JHM-02 | 160x8x(12.17.22.25.28.32.36.38.)  | 8*2  |       |
| D161210   | JHM-03 | 200x8x(17.22.25.28.32.36.38.43.)  | 8*2  |       |
| D161310   | JHM-04 | 100x4x(10.14.18.22.26.30.34.38.42.)   | 9*2  |       |
| D161410   | JHM-05 | 160x4x(10.14.18.22.26.30.34.38.42.)   | 9*2  |       |
| D161510   | JHM-06 | 150x8.5x(14.16.20.24.30.32.36.40.44.)   | 9*2  |       |
| D161610   | JHM-07 | 150x10x(14.16.20.24.30.32.36.40.44.)  | 9*2  |       |
| D161710   | JHM-08 | 100x(5x16/6x18/8x24/10x30) 150x(12x36/14x48/18x60/22x62) 200x31x15  | 9*2  |       |
| D161810   | JHM-09 | 120x10x(14.16.18.20.22.24.26.28.30.32.35.40.)   | 12*2 |       |
| D161910   | JHM-10 | 150x10x(14.16.18.20.22.24.26.28.30.32.35.40.)   | 12*2 |       |
| D162010   | JHM-11 | 150x10x(14.16.18.20.22.24.26.28.30.32.35.40.45.50.)   | 14*2 |       |
| D162110   | JHM-12 | 150x8x(14.16.18.20.22.24.26.28.30.32.35.40.45.50.)  | 14*2 |       |
| D162210   | JHM-13 | 80x4x(14.16.18.20.22.24.26.28.30.32.35.40.45.50.)   | 14*2 |       |
| D162310   | JHM-14 | 200x10x(14.16.18.20.22.24.26.28.30.32.35.40.45.50.)   | 14*2 |       |
| D162410   | JHM-15 | 150x8x(16.18.20.22.24.26.28.30.32.34.36.38.40.42.44.46.48.50.)  | 18*2 |       |
| D162510   | JHM-16 | 150x8x(17.19.21.23.25.27.29.31.33.35.37.39.41.43.45.47.49.51.)  | 18*2 |       |
| D162610   | JHM-17 | 125x8x(11.16.21.26.31.36.) 125x10x(13.18.23.28.33.38.) 125x12x(15.20.25.30.35.40.)<br>125x14x(17.22.27.32.37.42.) | 24*2 |       |
| D162710   | JHM-18 | 150x8x(11.16.21.26.31.36.) 10x(13.18.23.28.33.38.) 12x(15.20.25.30.35.40.)<br>150x14x(17.22.27.32.37.42.)         | 24*2 |       |



精密英制平行块系列

▼ D171010-D171510 订单号 Order NO.

INCH PRECISION PARALLEL SERIES



- 硬度: HRC52-58
- 尺寸公差: 0.005mm
- 平行度: 0.005mm
- 垂直度: 0.005mm

- Hardened and ground to HRC52-58
- Tolerance of dimension: 0.0002"
- Depth of parallelism: 0.0002"
- Squareness: 0.0002"

| Order No. | Model  | SPECIFICATION(in.)<br>(T x H x L)   | Pcs  | N.W.<br>kg/lbs. | Price |
|-----------|--------|---|------|-----------------|-------|
| D171010   | JHS-01 | 1/32" x (1/2".9/16".5/8".11/16".3/4".13/16". 7/8".15/16".<br>1".1-1/16".1-1/8".1-3/16".1-1/4".1-5/16". 1-3/8".<br>1-7/16".1-1/2".1-9/16".1-5/8".1-11/16".) x 6" | 20*2 | 1.52<br>3.35    |       |
| D171110   | JHS-02 | 1/8" x (1/2".5/8".3/4". 7/8".1".1-1/8".<br>1-1/4".1-3/8".1-1/2".1-5/8".) x 6"   | 10*2 | 2.19<br>4.83    |       |
| D171210   | JHS-03 | 1/4" x (3/4". 7/8".1".1-1/8".1-1/4".1-3/8".<br>1-1/2".1-5/8".1-3/4".) x 6"  | 9*2  |                 |       |
| D171310   | JHS-04 | 1/2" x (7/8".1".1-1/8".1-1/4".1-3/8".<br>1-1/2".1-5/8".1-3/4".) x 6"  | 8*2  | 8.24<br>18.16   |       |
| D171410   | JHS-05 | 1/2" x (1".1-1/4". 1-1/2".1-3/4") x 6"  | 4*2  | 4.18<br>9.21    |       |
| D171510   | JHS-06 | 3/16" x (1".1-1/4". 1-1/2".1-3/4") x 6"   | 4*2  | 1.69<br>3.73    |       |



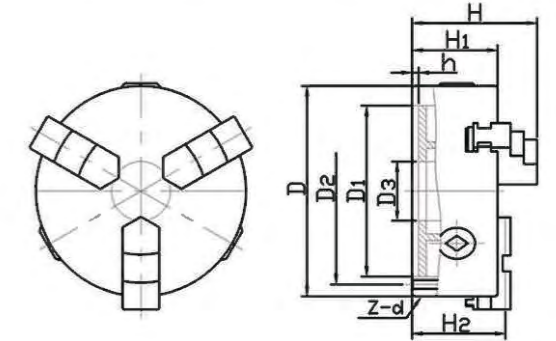
Never Stopped



K11-三爪自定心卡盘

▼E011010-E011911 订单号 Order NO.

THREE-JAW SELF-CENTRING CHUCKS



| Order No. | Type | D1  | D2  | D3 | H    | H1   | H2 | h   | Z-d   | 最大输入<br>扭矩Nm<br>Max.input<br>torque | 极限转速<br>Max.speed | N.W.<br>(kg) | Price |
|-----------|------|-----|-----|----|------|------|----|-----|-------|-------------------------------------|-------------------|--------------|-------|
| E011010   | 80   | 55  | 66  | 16 | 66   | 50   | -  | 3.5 | 3-M6  | 40                                  | 4000              | 1.9          |       |
| E011110   | 100  | 72  | 84  | 22 | 74.5 | 55   | -  | 3.5 | 3-M8  | 60                                  | 3500              | 3.2          |       |
| E011210   | 125  | 95  | 108 | 30 | 84   | 58   | -  | 4   | 3-M8  | 100                                 | 3000              | 5            |       |
| E011310   | 130  | 100 | 115 | 30 | 86   | 60   | -  | 3.5 | 3-M8  | 100                                 | 3000              | 5.6          |       |
| E011410   | 160  | 130 | 142 | 40 | 95   | 65   | -  | 5   | 3-M8  | 160                                 | 2500              | 8.8          |       |
| E011411   | 160A | 130 | 142 | 40 | 109  | 65   | 71 | 5   | 3-M8  | 160                                 | 2500              | 8.3          |       |
| E011510   | 165  | 130 | 145 | 40 | 96.5 | 66.5 | -  | 4.5 | 3-M8  | 250                                 | 2500              | 9.5          |       |
| E011610   | 190  | 155 | 172 | 55 | 105  | 75   | -  | 5   | 3-M10 | 250                                 | 2000              | 13.8         |       |
| E011710   | 200  | 165 | 180 | 65 | 109  | 75   | -  | 5   | 3-M10 | 250                                 | 2000              | 15.5         |       |
| E011711   | 200C | 165 | 180 | 65 | 122  | 75   | 78 | 5   | 3-M10 | 250                                 | 2000              | 14.1         |       |
| E011712   | 200A | 165 | 180 | 65 | 122  | 75   | 80 | 5   | 3-M10 | 250                                 | 2000              | 14.1         |       |
| E011810   | 240  | 195 | 215 | 70 | 120  | 80   | -  | 8   | 3-M12 | 320                                 | 2000              | 24           |       |
| E011811   | 240C | 195 | 215 | 70 | 130  | 80   | 84 | 8   | 3-M12 | 320                                 | 1600              | 20           |       |
| E011910   | 250  | 206 | 250 | 80 | 120  | 80   | -  | 5   | 3-M12 | 320                                 | 1600              | 25.7         |       |
| E011911   | 250C | 206 | 226 | 80 | 130  | 80   | 84 | 5   | 3-M12 | 320                                 | 1600              | 23           |       |





**CNC JieHe**

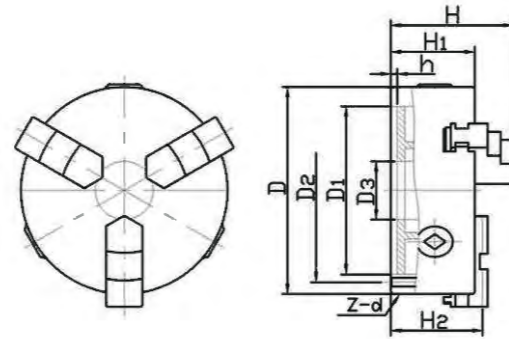
K11-三爪自定心卡盘  
THREE-JAW SELF-CENTRING CHUCKS



**K11-三爪自定心卡盘**

▼E011912-E012610 订单号 Order NO.

THREE-JAW SELF-CENTRING CHUCKS



K11 80-190



K11 200-320



**CNC JieHe**

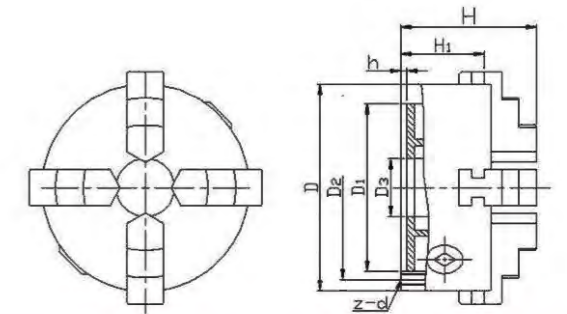
K12-四爪自定心卡盘  
FOUR-JAW SELF-CENTRING CHUCKS



**K12-四爪自定心卡盘**

▼E021010-E022210 订单号 Order NO.

FOUR-JAW SELF-CENTRING CHUCKS



K12 80-190



K12 200-320

| Order No. | Type | D1  | D2  | D3  | H     | H1   | h   | Z-d   | Price |
|-----------|------|-----|-----|-----|-------|------|-----|-------|-------|
| E021010   | 80   | 55  | 66  | 16  | 66    | 50   | 3.5 | 4-M6  |       |
| E021110   | 100  | 72  | 84  | 22  | 73    | 53.5 | 3.5 | 3-M8  |       |
| E021210   | 125  | 95  | 108 | 30  | 84    | 58   | 4   | 3-M8  |       |
| E021310   | 130  | 100 | 115 | 30  | 86    | 60   | 3.5 | 3-M8  |       |
| E021410   | 160  | 130 | 142 | 40  | 95    | 65   | 5   | 3-M8  |       |
| E021411   | 160A | 130 | 142 | 40  | 109   | 65   | 5   | 3-M8  |       |
| E021510   | 165  | 130 | 145 | 40  | 96.5  | 66.5 | 4.5 | 3-M8  |       |
| E021610   | 190  | 155 | 172 | 55  | 105   | 75   | 5   | 3-M10 |       |
| E021710   | 200  | 165 | 180 | 65  | 109   | 75   | 5   | 3-M10 |       |
| E021711   | 200C | 165 | 180 | 65  | 122   | 75   | 5   | 3-M10 |       |
| E021712   | 200A | 165 | 180 | 65  | 122   | 75   | 5   | 3-M10 |       |
| E021810   | 240  | 195 | 215 | 70  | 120   | 80   | 8   | 3-M12 |       |
| E021910   | 250  | 206 | 226 | 80  | 120   | 80   | 5   | 3-M12 |       |
| E021911   | 250C | 206 | 226 | 80  | 130   | 80   | 5   | 3-M12 |       |
| E021912   | 250A | 206 | 226 | 80  | 136   | 80   | 5   | 3-M12 |       |
| E022010   | 325  | 272 | 296 | 100 | 153.5 | 96   | 12  | 3-M16 |       |
| E022011   | 325C | 272 | 296 | 100 | 154.5 | 96   | 12  | 3-M16 |       |
| E022012   | 325A | 272 | 350 | 100 | 169.5 | 96   | 12  | 3-M16 |       |
| E022110   | 380  | 325 | 350 | 135 | 155.5 | 98   | 6   | 3-M16 |       |
| E022111   | 380C | 325 | 350 | 135 | 156.5 | 98   | 6   | 3-M16 |       |
| E022112   | 380A | 325 | 350 | 135 | 171.5 | 98   | 6   | 3-M16 |       |
| E022210   | 500A | 440 | 465 | 210 | 202   | 115  | 6   | 3-M16 |       |



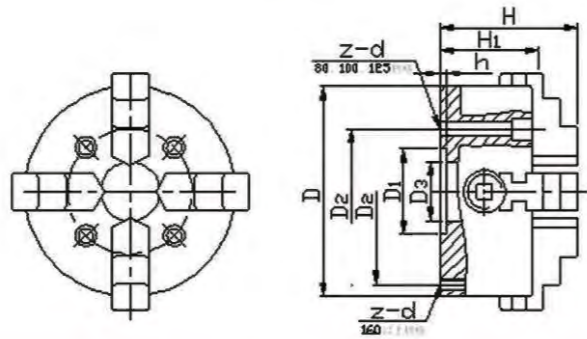




K72-四爪单动卡盘

▼E031010-E032410 订单号Order NO.

FOUR-JAW INDEPENDENT CHUCKS



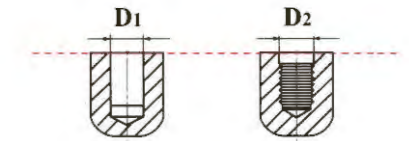
| Order No. | Type | D1  | D2  | D3  | H   | H1  | h   | Z-d   | 最大允许输入扭矩<br>Max.input torque | 极限转速<br>r/min<br>Max.speed | Price |
|-----------|------|-----|-----|-----|-----|-----|-----|-------|------------------------------|----------------------------|-------|
|           |      |     |     |     |     |     |     |       |                              |                            |       |
| E031010   | 80   | 55  | 66  | 22  | 56  | 42  | 3.5 | 4-M6  | 25                           | 4000                       |       |
| E031110   | 100  | 72  | 84  | 25  | 54  | 54  | 3.5 | 4-M8  | 30                           | 3500                       |       |
| E031210   | 125  | 95  | 108 | 30  | 78  | 56  | 4.5 | 4-M8  | 50                           | 3000                       |       |
| E031310   | 160  | 65  | 95  | 45  | 93  | 75  | 5   | 4-M10 | 70                           | 2500                       |       |
| E031410   | 200  | 80  | 112 | 56  | 107 | 80  | 6   | 4-M10 | 100                          | 2000                       |       |
| E031510   | 250  | 110 | 130 | 75  | 120 | 90  | 6   | 4-M12 | 150                          | 1600                       |       |
| E031610   | 300  | 152 | 130 | 75  | 134 | 90  | 6   | 4-M12 | 180                          | 1200                       |       |
| E031710   | 320  | 140 | 165 | 95  | 134 | 90  | 6   | 4-M16 | 200                          | 1200                       |       |
| E031810   | 350  | 130 | 168 | 95  | 134 | 90  | 6   | 4-M16 | 250                          | 1200                       |       |
| E031910   | 400  | 160 | 185 | 125 | 143 | 95  | 8   | 4-M16 | 280                          | 1000                       |       |
| E032010   | 450  | 180 | 205 | 140 | 147 | 100 | 8   | 4-M16 | 300                          | 900                        |       |
| E032110   | 500  | 200 | 236 | 160 | 161 | 106 | 8   | 4-M20 | 350                          | 800                        |       |
| E032210   | 630  | 220 | 258 | 180 | 180 | 118 | 10  | 4-M20 | 400                          | 600                        |       |
| E032310   | 800  | 250 | 300 | 210 | 202 | 132 | 12  | 4-M20 | 500                          | 500                        |       |
| E032410   | 1000 | 320 | 370 | 260 | 230 | 150 | 15  | 4-M20 | 600                          | 400                        |       |



高精度工业级钻夹头

▼F011010-F011711 订单号Order NO.

INDUSTRIAL QUALITY DRILL CHUCK



**标准型钻夹头**

- 特点：经济型产品。精度高，专为各类钻床、机床设计制造。
- 适用于：精密机械加工行业，适配各种切削设备，生产性钻具、坐标镗床、铣床、车床及数控机床。

● 标准型 (BZ系列)

| Order No. | Type   | C      |             | D1            |               | D2       |            | D mm | L mm | L1 mm | A mm | g    | Price |
|-----------|--------|--------|-------------|---------------|---------------|----------|------------|------|------|-------|------|------|-------|
|           |        | mm     | "           | Taper         | Taper         | mm       | UNF        |      |      |       |      |      |       |
| F011010   | J214   | 0.15-4 | 0-5/32"     | B6 (Φ6.35)    |               |          |            | 21.7 | 34.5 | 12.5  |      | 40   | K1    |
| F011011   | J224   | 0.15-4 | 0-5/32"     |               | JT0 (Φ6.35)   |          |            | 21.7 | 34.5 | 12.5  |      | 40   | K1    |
| F011110   | J224J  | 0.1-4  | 0-5/32"     |               | JT0 (Φ6.35)   |          |            | 21.7 | 34.5 | 12.5  |      | 40   | K1    |
| F011210   | J216   | 0.6-6  | 1/32"-1/4"  | B10 (Φ10.094) |               |          |            | 30   | 49   | 17.5  |      | 125  | K2    |
| F011211   | J226   | 0.6-6  | 1/32"-1/4"  |               | JT1 (Φ9.754)  |          |            | 30   | 49   | 19.2  |      | 125  | K2    |
| F011310   | J2110  | 1-10   | 1/32"-3/8"  | B12 (Φ12.065) |               |          |            | 43   | 69   | 22    |      | 335  | K4    |
| F011311   | J2210  | 1-10   | 1/32"-3/8"  |               | JT2 (Φ14.199) |          |            | 43   | 69   | 26    |      | 335  | K4    |
| F011312   | J3110  | 1-10   | 1/32"-3/8"  |               |               | M12x1.25 |            | 43   | 69   | 16    | Φ5.5 | 335  | K4    |
| F011313   | J3110A | 1-10   | 1/32"-3/8"  |               |               |          | 1/2"-20UNF | 43   | 69   | 17.5  | Φ5.5 | 335  | K4    |
| F011314   | J3110B | 1-10   | 1/32"-3/8"  |               |               |          | 3/8"-24UNF | 43   | 69   | 16    | Φ5.5 | 335  | K4    |
| F011410   | J2113  | 1-13   | 1/32"-1/2"  | B16 (Φ15.733) |               |          |            | 53   | 86   | 28    |      | 625  | K5    |
| F011411   | J2213  | 1-13   | 1/32"-1/2"  |               | JT6 (Φ17.170) |          |            | 53   | 86   | 29    |      | 625  | K5    |
| F011412   | J2213A | 1-13   | 1/32"-1/2"  |               | JT33 (Φ15.85) |          |            | 53   | 86   | 29    |      | 625  | K5    |
| F011413   | J2213B | 1-13   | 1/32"-1/2"  |               | JT3 (Φ20.599) |          |            | 53   | 93   | 35    |      | 625  | K5    |
| F011414   | J3113  | 1-13   | 1/32"-1/2"  |               |               | M12x1.25 |            | 53   | 86   | 16    | Φ6.5 | 625  | K5    |
| F011415   | J3113A | 1-13   | 1/32"-1/2"  |               |               |          | 1/2"-20UNF | 53   | 86   | 17.5  | Φ6.5 | 625  | K5    |
| F011416   | J3113B | 1-13   | 1/32"-1/2"  |               |               |          | 3/8"-24UNF | 53   | 86   | 17.5  | Φ6.5 | 625  | K5    |
| F011510   | J2116  | 1-16   | 1/32"-5/8"  | B18 (Φ17.780) |               |          |            | 57   | 93   | 36    |      | 818  | K5    |
| F011511   | J2216  | 1-16   | 1/32"-5/8"  |               | JT3 (Φ20.599) |          |            | 57   | 93   | 35    |      | 818  | K5    |
| F011512   | J2216A | 1-16   | 1/32"-5/8"  |               | JT6 (Φ17.170) |          |            | 57   | 93   | 29    |      | 818  | K5    |
| F011610   | J2116A | 3-16   | 1/8"-5/8"   | B16 (Φ15.733) |               |          |            | 53   | 86   | 17.5  |      | 625  | K5    |
| F011611   | J2116B | 3-16   | 1/8"-5/8"   | B18 (Φ17.780) |               |          |            | 53   | 86   | 16    | Φ6.5 | 625  | K5    |
| F011612   | J3116A | 3-16   | 1/8"-5/8"   |               |               |          | 1/2"-20UNF | 53   | 86   | 17.5  | Φ6.5 | 625  | K5    |
| F011613   | J3116B | 3-16   | 1/8"-5/8"   |               |               |          | 5/8"-16UNF | 53   | 86   | 19    | Φ6.5 | 625  | K5    |
| F011710   | J2120  | 5-20   | 13/64"-3/4" | B22 (Φ21.793) |               |          |            | 65   | 107  | 45    |      | 1214 | K6    |
| F011711   | J2220  | 5-20   | 13/64"-3/4" |               | JT3 (Φ20.599) |          |            | 65   | 107  | 35    |      | 1214 | K6    |



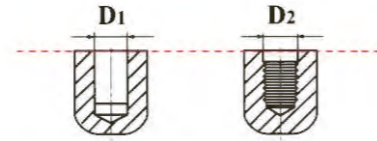
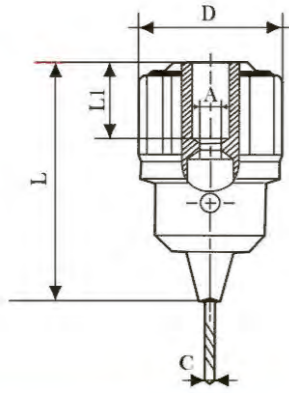




标准型钻夹头

▼ F021010-F021811 订单号 Order NO.

KEY DRILL CHUCK



JieHe® 标准型钻夹头

- 特点：经济型产品。精度高，专为各类钻床、机床设计制造。
- 适用于：精密机械加工行业，适配各种切削设备，生产性钻具、坐标镗床、铣床、车床及数控机床。

● 标准型 (BZ系列)



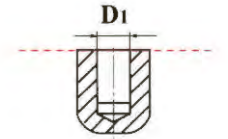
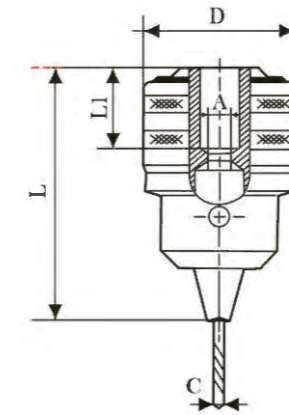
| Order No. | Type   | C      |             | D1            |               | D mm | L mm | L1 mm | A mm | g    | Key | Price |
|-----------|--------|--------|-------------|---------------|---------------|------|------|-------|------|------|-----|-------|
|           |        | mm     | "           | Taper         | Taper         |      |      |       |      |      |     |       |
| F021010   | J214   | 0.3-4  | 0-5/32"     | B6 (Φ6.35)    |               | 21.7 | 34.5 | 12.5  |      | 40   | K1  |       |
| F021110   | J224   | 0.15-4 | 0-5/32"     |               | JT0 (Φ6.35)   | 21.7 | 34.5 | 12.5  |      | 40   | K1  |       |
| F021210   | J224J  | 0.1-4  | 0-5/32"     |               | JT0 (Φ6.35)   | 21.7 | 34.5 | 12.5  |      | 40   | K1  |       |
| F021310   | J216   | 0.6-6  | 1/32"-1/4"  | B10 (Φ10.094) |               | 30   | 49   | 17.5  |      | 125  | K2  |       |
| F021311   | J226   | 0.6-6  | 1/32"-1/4"  |               | JT1 (Φ9.754)  | 30   | 49   | 19.2  |      | 125  | K2  |       |
| F021410   | J2110  | 1-10   | 1/32"-3/8"  | B12 (Φ12.065) |               | 43   | 69   | 22    |      | 335  | K4  |       |
| F021411   | J2210  | 1-10   | 1/32"-3/8"  |               | JT2 (Φ14.199) | 43   | 69   | 26    |      | 335  | K4  |       |
| F021510   | J2113  | 1-13   | 1/32"-1/2"  | B16 (Φ15.733) |               | 53   | 86   | 28    |      | 625  | K5  |       |
| F021511   | J2213  | 1-13   | 1/32"-1/2"  |               | JT6 (Φ17.170) | 53   | 86   | 29    |      | 625  | K5  |       |
| F021512   | J2213A | 1-13   | 1/32"-1/2"  |               | JT33 (Φ15.85) | 53   | 86   | 29    |      | 625  | K5  |       |
| F021513   | J2213B | 1-13   | 1/32"-1/2"  |               | JT3 (Φ20.599) | 53   | 93   | 35    |      | 625  | K5  |       |
| F021610   | J2116  | 1-16   | 1/32"-5/8"  | B18 (Φ17.780) |               | 57   | 93   | 36    |      | 818  | K5  |       |
| F021611   | J2216  | 1-16   | 1/32"-5/8"  |               | JT3 (Φ20.599) | 57   | 93   | 35    |      | 818  | K5  |       |
| F021612   | J2216A | 1-16   | 1/32"-5/8"  |               | JT6 (Φ17.170) | 57   | 93   | 29    |      | 818  | K5  |       |
| F021710   | J2116A | 3-16   | 1/8"-5/8"   | B16 (Φ15.733) |               | 53   | 86   | 17.5  |      | 625  | K5  |       |
| F021711   | J2116B | 3-16   | 1/8"-5/8"   | B18 (Φ17.780) |               | 53   | 86   | 16    | Φ6.5 | 625  | K5  |       |
| F021810   | J2120  | 5-20   | 13/64"-3/4" | B22 (Φ21.793) |               | 65   | 107  | 45    |      | 1214 | K6  |       |
| F021811   | J2220  | 5-20   | 13/64"-3/4" |               | JT3 (Φ20.599) | 65   | 107  | 35    |      | 1214 | K6  |       |



耐用型钻夹头

▼ F041010-F041811 订单号 Order NO.

KEY DRILL CHUCK



JieHe® 耐用型钻夹头

- 特点：铬钢夹爪、整体淬火、爪母研磨、表面处理。
- 适用于：经常加工钨件、铸件、工作环境差，使用频率高的手工具行业、锁具行业。并适配多种生产型钻具。

● 耐用型 (NY系列)



| Order No. | Type   | C      |             | D1            |               | D mm | L mm | L1 mm | A mm | g    | Key | Price |
|-----------|--------|--------|-------------|---------------|---------------|------|------|-------|------|------|-----|-------|
|           |        | mm     | "           | Taper         | Taper         |      |      |       |      |      |     |       |
| F041010   | J214   | 0.3-4  | 0-5/32"     | B6 (Φ6.35)    |               | 21.7 | 34.5 | 12.5  |      | 40   | K1  |       |
| F041110   | J224   | 0.15-4 | 0-5/32"     |               | JT0 (Φ6.35)   | 21.7 | 34.5 | 12.5  |      | 40   | K1  |       |
| F041210   | J224J  | 0.1-4  | 0-5/32"     |               | JT0 (Φ6.35)   | 21.7 | 34.5 | 12.5  |      | 40   | K1  |       |
| F041310   | J216   | 0.6-6  | 1/32"-1/4"  | B10 (Φ10.094) |               | 30   | 49   | 17.5  |      | 125  | K2  |       |
| F041311   | J226   | 0.6-6  | 1/32"-3/8"  |               | JT1 (Φ9.754)  | 30   | 49   | 19.2  |      | 125  | K2  |       |
| F041410   | J2110  | 1-10   | 1/32"-3/8"  | B12 (Φ12.065) |               | 43   | 69   | 22    |      | 335  | K4  |       |
| F041411   | J2210  | 1-10   | 1/32"-3/8"  |               | JT2 (Φ14.199) | 43   | 69   | 26    |      | 335  | K4  |       |
| F041510   | J2113  | 1-13   | 1/32"-1/2"  | B16 (Φ15.733) |               | 53   | 86   | 28    |      | 625  | K5  |       |
| F041511   | J2213  | 1-13   | 1/32"-1/2"  |               | JT6 (Φ17.170) | 53   | 86   | 29    |      | 625  | K5  |       |
| F041512   | J2213A | 1-13   | 1/32"-1/2"  |               | JT33 (Φ15.85) | 53   | 86   | 29    |      | 625  | K5  |       |
| F041513   | J2213B | 1-13   | 1/32"-1/2"  |               | JT3 (Φ20.599) | 53   | 93   | 35    |      | 625  | K5  |       |
| F041610   | J2116  | 1-16   | 1/32"-5/8"  | B18 (Φ17.780) |               | 57   | 93   | 36    |      | 818  | K5  |       |
| F041611   | J2216  | 1-16   | 1/32"-5/8"  |               | JT3 (Φ20.599) | 57   | 93   | 35    |      | 818  | K5  |       |
| F041612   | J2216A | 1-16   | 1/32"-5/8"  |               | JT6 (Φ17.170) | 57   | 93   | 29    |      | 818  | K5  |       |
| F041710   | J2116A | 3-16   | 1/8"-5/8"   | B16 (Φ15.733) |               | 53   | 86   | 17.5  |      | 625  | K5  |       |
| F041711   | J2116B | 3-16   | 1/8"-5/8"   | B18 (Φ17.780) |               | 53   | 86   | 16    | Φ6.5 | 625  | K5  |       |
| F041810   | J2120  | 5-20   | 13/64"-3/4" | B22 (Φ21.793) |               | 65   | 107  | 45    |      | 1214 | K6  |       |
| F041811   | J2220  | 5-20   | 13/64"-3/4" |               | JT3 (Φ20.599) | 65   | 107  | 35    |      | 1214 | K6  |       |



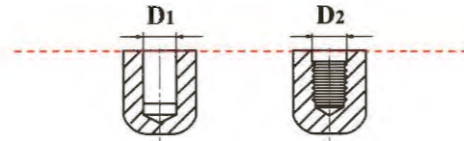
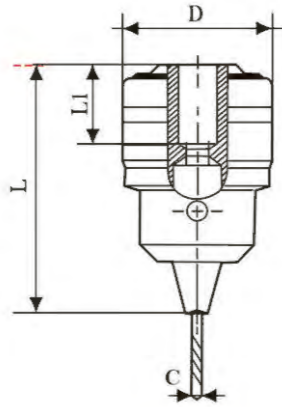




## 德国款式钻夹头

▼F061010-F061511 订单号Order NO.

KEY DRILL CHUCK



- 特征: 1. 高精度螺纹和圆锥孔紧密地连接在工具上。  
2. 外壳, 锁孔, 钥匙经过淬火。  
3. 精度准确可靠, 持久耐用。
- Features: 1. High precision threaded and tapered tightly mounts on the tools.  
2. Sleeve, key hole and key are shaped by quenching.  
3. Super precision and durable.

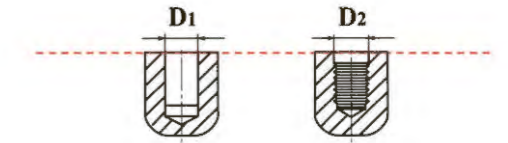
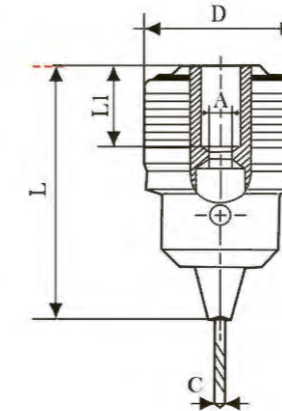
| Order No. | Type   | C      |            | D1               |                  | D2         | D mm | L mm | L1 mm | Key | Price |
|-----------|--------|--------|------------|------------------|------------------|------------|------|------|-------|-----|-------|
|           |        | mm     | "          | Taper            | Taper            | UNF        |      |      |       |     |       |
| F061010   | J3110A | 1-10   | 1/16"-3/8" |                  |                  | 3/8"-24UNF | 31   | 55.5 | 46    | K4  |       |
| F061011   | J3110B | 1-10   | 1/32"-1/4" |                  |                  | 1/2"-20UNF | 31   | 55.5 | 46    | K4  |       |
| F061110   | J2113  | 1-13   | 1/32"-1/2" | B16<br>(Φ15.733) |                  |            | 52   | 86   | 69    | K5  |       |
| F061111   | J2213  | 1-13   | 1/32"-1/2" |                  | JT33<br>(Φ15.85) |            | 52   | 86   | 69    | K5  |       |
| F061112   | J2213A | 1-13   | 1/32"-1/2" |                  | JT6<br>(Φ17.170) |            | 52   | 86   | 69    | K5  |       |
| F061210   | J3113  | 1.5-13 | 1/16"-1/2" |                  |                  | 3/8"-24UNF | 42   | 73   | 58.5  | K5  |       |
| F061211   | J3113A | 1.5-13 | 1/16"-1/2" |                  |                  | 1/2"-20UNF | 42   | 73   | 58.5  | K5  |       |
| F061310   | J2116  | 1-16   | 1/32"-5/8" | B16<br>(Φ15.733) |                  |            | 52   | 86   | 69    | K5  |       |
| F061311   | J2116A | 1-16   | 1/32"-5/8" | B18<br>(Φ17.780) |                  |            | 56   | 101  | 80    | K5  |       |
| F061312   | J2216  | 1-16   | 1/32"-5/8" |                  | JT3<br>(Φ20.599) |            | 52   | 86   | 69    | K5  |       |
| F061313   | J2216A | 1-16   | 1/32"-5/8" |                  | JT33<br>(Φ15.85) |            | 56   | 101  | 80    | K5  |       |
| F061410   | J2116B | 3-16   | 1/8"-5/8"  | B16<br>(Φ15.733) |                  |            | 49.5 | 94   | 75    | K5  |       |
| F061411   | J2216B | 3-16   | 1/8"-5/8"  | B18<br>(Φ17.780) |                  |            | 49.5 | 94   | 75    | K5  |       |
| F061510   | J2120  | 5-20   | 3/16"-3/4" | B22<br>(Φ21.793) |                  |            | 65   | 114  | 92    | K6  |       |
| F061511   | J2220  | 5-20   | 3/16"-3/4" |                  | JT3<br>(Φ20.599) |            | 65   | 114  | 92    | K6  |       |



## 韩国款式钻夹头

▼F071010-F071911 订单号Order NO.

DRILL CHUCK



韩国款式钻夹头

- 特点: 体积小, 精度高, 旋转柔和, 切削运转平稳。
- 适用于: 小型精密台钻, 机床并适用于功率较大的电动, 风动工具。

● 韩国款式钻夹头

| Order No. | Type   | C      |            | D1               |                  | D2       |            | D mm | L mm | L1 mm | A mm | g    | Key | Price |
|-----------|--------|--------|------------|------------------|------------------|----------|------------|------|------|-------|------|------|-----|-------|
|           |        | mm     | "          | Taper            | Taper            | mm       | UNF        |      |      |       |      |      |     |       |
| F071010   | J3506  | 0.8-6  | 1/32"-1/4" |                  |                  | M12×1.25 |            | 28   | 49.5 | 16    | Φ5.5 | 95   | K3  |       |
| F071011   | J3506A | 0.8-6  | 1/32"-1/4" |                  |                  |          | 3/8"-24UNF | 28   | 49.5 | 16    | Φ5.5 | 95   | K3  |       |
| F071110   | J3510  | 1-10   | 1/32"-3/8" |                  |                  | M12×1.25 |            | 34   | 57   | 16    | Φ5.5 | 180  | K3  |       |
| F071111   | J3510A | 1-10   | 1/32"-3/8" |                  |                  |          | 1/2"-20UNF | 34   | 57   | 16    | Φ5.5 | 180  | K3  |       |
| F071112   | J3510B | 1-10   | 1/32"-3/8" |                  |                  |          | 3/8"-24UNF | 34   | 57   | 16    | Φ5.5 | 1/80 | K3  |       |
| F071113   | J3510H | 1.5-10 | 1/32"-3/8" |                  |                  |          | 3/8"-24UNF | 33   | 57   | 16    | Φ5.5 | 180  | K3  |       |
| F071210   | J2510  | 1-10   | 1/32"-3/8" | B12<br>(Φ12.065) |                  |          |            | 34   | 62   | 22    |      | 180  | K3  |       |
| F071310   | J2610  | 1-10   | 1/32"-3/8" |                  | JT2<br>(Φ14.199) |          |            | 34   | 62   | 26    |      | 180  | K3  |       |
| F071410   | J3513  | 1.5-13 | 1/16"-1/2" |                  |                  | M12×1.25 |            | 43   | 73   | 16    | Φ5.5 | 320  | K4  |       |
| F071411   | J3513A | 1.5-13 | 1/16"-1/2" |                  |                  |          | 1/2"-20UNF | 43   | 73   | 17.5  | Φ5.5 | 320  | K4  |       |
| F071412   | J3513B | 1.5-13 | 1/16"-1/2" |                  |                  |          | 3/8"-24UNF | 43   | 73   | 16    | Φ5.5 | 320  | K4  |       |
| F071510   | J2513  | 1.5-13 | 1/16"-1/2" | B16<br>(Φ15.733) |                  |          |            | 43   | 73   | 28    |      | 320  | K4  |       |
| F071511   | J2513A | 1.5-13 | 1/16"-1/2" | B12<br>(Φ12.065) |                  |          |            | 43   | 73   | 22    |      | 320  | K4  |       |
| F071610   | J2613  | 1.5-13 | 1/16"-1/2" |                  | JT33<br>(Φ15.85) |          |            | 43   | 73   | 29    |      | 320  | K4  |       |
| F071610   | J2613A | 1.5-13 | 1/16"-1/2" |                  | JT6<br>(Φ17.170) |          |            | 43   | 73   | 29    |      | 320  | K4  |       |
| F071710   | J3516  | 3-16   | 1/16"-1/2" |                  |                  | M12×1.25 |            | 52   | 86   | 16    | Φ6.5 | 584  | K5  |       |
| F071711   | J3516A | 3-16   | 1/8"-5/8"  |                  |                  |          | 1/2"-20UNF | 52   | 86   | 17.5  | Φ6.5 | 584  | K5  |       |
| F071712   | J3516B | 3-16   | 1/8"-5/8"  |                  |                  |          | 5/8"-16UN  | 52   | 86   | 19    | Φ6.5 | 584  | K5  |       |
| F071713   | J3516C | 3-16   | 1/8"-5/8"  |                  |                  | M16×1.5  |            | 52   | 86   | 19    | Φ6.5 | 584  | K5  |       |
| F071810   | J2516  | 3-16   | 1/8"-5/8"  | B16<br>(Φ15.733) |                  |          |            | 52   | 86   | 28    |      | 584  | K5  |       |
| F071811   | J2516A | 3-16   | 1/8"-5/8"  | B18<br>(Φ17.780) |                  |          |            | 52   | 86   | 36    |      | 584  | K5  |       |
| F071910   | J2616  | 3-16   | 1/8"-5/8"  |                  | JT3<br>(Φ20.599) |          |            | 52   | 86   | 35    |      | 584  | K5  |       |
| F071911   | J2616A | 3-16   | 1/8"-5/8"  |                  | JT6<br>(Φ17.170) |          |            | 52   | 86   | 29    |      | 584  | K5  |       |



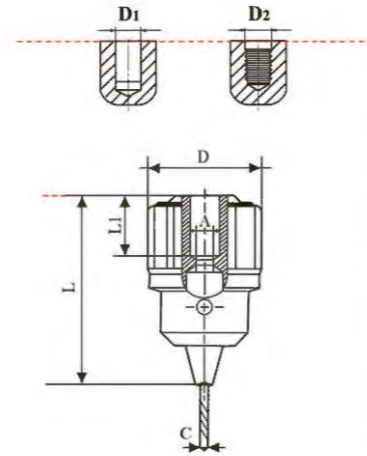




LPM台湾款式钻夹头

▼F081010-F081910 订单号Order NO.

KEY DRILL CHUCK



**LPM 台湾款式钻夹头**  
夹爪镶磁钴钢

- 特点：高精度，耐用度高，可靠性好。钻体、夹爪、螺母、外套及锁匙均采用优质钢制作。
- 适用于：重工业作业，常用在大型钻床、铣床、CNC机以及加工中心上，能够承受高速和强力切削。

2003系列

**LPM 台湾款式钻夹头**  
夹爪镶磁钴钢

- 特点：高精度，耐用度高，可靠性好。钻体、夹爪、螺母、外套及锁匙均采用优质钢制作。
- 适用于：重工业作业，常用在大型钻床、铣床、CNC机以及加工中心上，能够承受高速和强力切削。

2003系列

| Order No. | Type   | Capacity |             | Taper mount   | D mm | L mm | L1 mm | g    | Key | Price |
|-----------|--------|----------|-------------|---------------|------|------|-------|------|-----|-------|
|           |        | mm       | inch        |               |      |      |       |      |     |       |
| F081010   | J216   | 0.6-6    | 1/64"-1/4"  | B10 (Φ10.094) | 30   | 49   | 17.5  | 125  | K2  |       |
| F081110   | J2110  | 1-10     | 1/32"-3/8"  | B12 (Φ12.065) | 43   | 69   | 22    | 335  | K4  |       |
| F081210   | J2113  | 1-13     | 1/32"-1/2"  | B16 (Φ15.733) | 53   | 86   | 28    | 625  | K5  |       |
| F081211   | J2113A | 1-13     | 1/32"-1/2"  | B18 (Φ17.780) | 53   | 86   | 36    | 625  | K5  |       |
| F081310   | J2116  | 1-16     | 1/32"-5/8"  | B18 (Φ17.780) | 57   | 93   | 36    | 818  | K5  |       |
| F081311   | J2116A | 1-16     | 1/32"-5/8"  | B16 (Φ15.733) | 57   | 93   | 28    | 818  | K5  |       |
| F081410   | J2120  | 5-20     | 13/64"-3/4" | B22 (Φ21.793) | 65   | 1131 | 45    | 1214 | K6  |       |

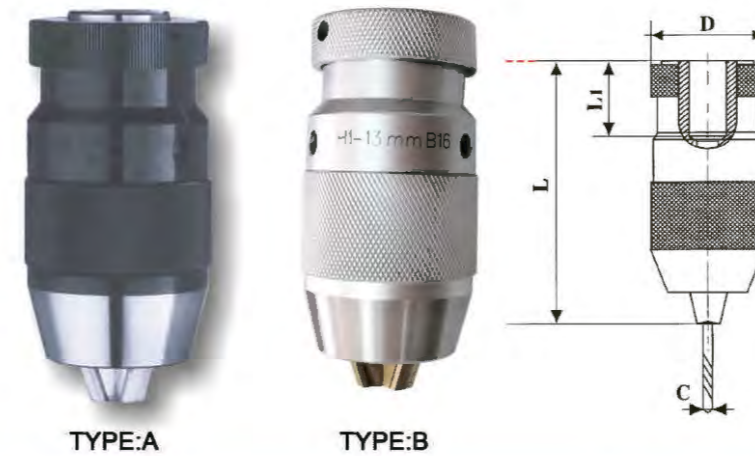
| Order No. | Type   | Capacity |             | Taper mount    | D mm | L mm | L1 mm | g    | Key | Price |
|-----------|--------|----------|-------------|----------------|------|------|-------|------|-----|-------|
|           |        | mm       | inch        |                |      |      |       |      |     |       |
| F081510   | J216   | 0.6-6    | 1/64"-1/4"  | JT1 (Φ9.754)   | 30   | 49   | 17.5  | 125  | K2  |       |
| F081610   | J2110  | 1-10     | 1/32"-3/8"  | JT2 (Φ14.199)  | 43   | 69   | 22    | 335  | K4  |       |
| F081710   | J2113  | 1-13     | 1/32"-1/2"  | JT6 (Φ17.170)  | 53   | 86   | 28    | 625  | K5  |       |
| F081711   | J2113A | 1-13     | 1/32"-1/2"  | JT33 (Φ15.850) | 53   | 86   | 36    | 625  | K5  |       |
| F081810   | J2116  | 1-16     | 1/32"-5/8"  | JT3 (Φ20.599)  | 57   | 93   | 36    | 818  | K5  |       |
| F081811   | J2116A | 1-16     | 1/32"-5/8"  | JT6 (Φ17.170)  | 57   | 93   | 28    | 818  | K5  |       |
| F081910   | J2120  | 5-20     | 13/64"-3/4" | JT3 (Φ20.599)  | 65   | 1131 | 45    | 1214 | K6  |       |



重型自紧钻夹头

▼F091010-F092211 订单号Order NO.

HEAVY-DUTY KEYLESS DRILL CHUCK



| Order No. | Type   | C     |             | D1            |               | D2 |     | D mm | L mm | L1 mm | g   | Price |
|-----------|--------|-------|-------------|---------------|---------------|----|-----|------|------|-------|-----|-------|
|           |        | mm    | "           | Taper         | Taper         | mm | UNF |      |      |       |     |       |
| F091010   | J013   | 0.2-3 | 1/64"-1/8"  | B6 (Φ6.35)    |               |    |     | 24   | 45.1 | 41.5  | 100 |       |
| F091110   | J023   | 0.2-3 | 1/64"-1/8"  |               | JT0 (Φ6.35)   |    |     | 24   | 45.1 | 41.5  | 100 |       |
| F091210   | J014   | 0.2-4 | 1/64"-5/32" | B10 (Φ10.094) |               |    |     | 29   | 60.8 | 55    | 190 |       |
| F091310   | J024   | 0.2-4 | 1/64"-5/32" |               | JT1 (Φ9.754)  |    |     | 29   | 60.8 | 55    | 190 |       |
| F091410   | J016   | 0.5-6 | 1/32"-1/4"  | B10 (Φ10.094) |               |    |     | 31   | 64   | 17.5  | 320 |       |
| F091510   | J026   | 0.5-6 | 1/32"-1/4"  |               | JT1 (Φ9.754)  |    |     | 31   | 64   | 19.2  | 320 |       |
| F091610   | J0110  | 1-10  | 1/32"-3/8"  | B12 (Φ12.065) |               |    |     | 43   | 95   | 22    | 400 |       |
| F091710   | J0210  | 1-10  | 1/32"-3/8"  |               | JT2 (Φ14.199) |    |     | 43   | 95   | 26    | 400 |       |
| F091810   | J0113  | 1-13  | 1/16"-1/2"  | B16 (Φ15.733) |               |    |     | 48   | 106  | 28    | 685 |       |
| F091811   | J0113A | 1-13  | 1/16"-1/2"  | B12 (Φ12.065) |               |    |     | 48   | 106  | 22    | 685 |       |
| F091910   | J0213  | 1-13  | 1/16"-1/2"  |               | JT33 (Φ15.85) |    |     | 48   | 106  | 29    | 685 |       |
| F091911   | J0213A | 1-13  | 1/16"-1/2"  |               | JT6 (Φ17.170) |    |     | 48   | 106  | 29    | 685 |       |
| F092010   | J0116  | 1-16  | 1/8"-5/8"   | B18 (Φ17.780) |               |    |     | 53   | 116  | 36    | 988 |       |
| F092011   | J0116A | 1-16  | 1/8"-5/8"   | B16 (Φ15.733) |               |    |     | 53   | 116  | 28    | 988 |       |
| F092110   | J0216  | 1-16  | 1/8"-5/8"   |               | JT3 (Φ20.599) |    |     | 53   | 116  | 35    | 988 |       |
| F092111   | J0216A | 1-16  | 1/8"-5/8"   |               | JT6 (Φ17.170) |    |     | 53   | 116  | 29    | 988 |       |
| F092210   | J0120  | 5-20  | 3/16"-3/4"  | B22 (Φ21.793) |               |    |     | 62   | 132  | 30    | 989 |       |
| F092211   | J0220  | 5-20  | 3/16"-3/4"  |               | JT3 (Φ20.599) |    |     | 62   | 132  | 31    | 990 |       |

▼可选配 OPTIONA

**自紧式钻夹头**

- 特点：制造精密，精度高，装夹刀具方便，更有自动锁紧功能。
- 适用于：高精度数控加工中心。适配高精密切削设备，生产性钻具，坐标镗床，铣床，车床及数控机床。

●精密型 (JM系列)







重型自紧钻夹头

▼F101010-F102211 订单号 Order NO.

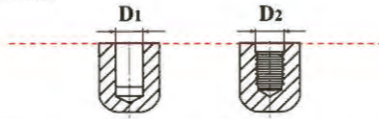
HEAVY-DUTY KEYLESS DRILL CHUCK



TYPE:A

TYPE:B

▼可选配 OPTIONA



JietHe® 自紧式钻夹头

- 特点：制造精密、精度高，装夹刀具方便，更有自动锁紧功能。
- 适用于：高精度数控加工中心，适配高精密切削设备，生产性钻具、坐标镗床、铣床、车床及数控机床。

● 精密型 (JM系列)

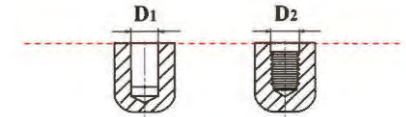
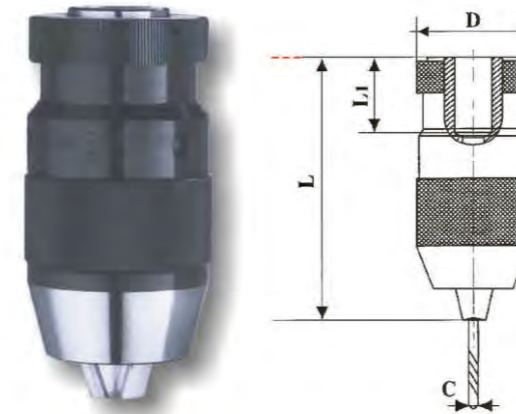
| Order No. | Type   | C     |             | D1               |                  | D2 |     | D mm | L mm | L1 mm | g   | Price |
|-----------|--------|-------|-------------|------------------|------------------|----|-----|------|------|-------|-----|-------|
|           |        | mm    | "           | Taper            | Taper            | mm | UNF |      |      |       |     |       |
| F101010   | J013   | 0.2-3 | 1/64"-1/8"  | B6<br>(Φ6.35)    |                  |    |     | 24   | 45.1 | 41.5  | 100 |       |
| F101110   | J023   | 0.2-3 | 1/64"-1/8"  |                  | JT0<br>(Φ6.35)   |    |     | 24   | 45.1 | 41.5  | 100 |       |
| F101210   | J014   | 0.2-4 | 1/64"-5/32" | B10<br>(Φ10.094) |                  |    |     | 29   | 60.8 | 55    | 190 |       |
| F101310   | J024   | 0.2-4 | 1/64"-5/32" |                  | JT1<br>(Φ9.754)  |    |     | 29   | 60.8 | 55    | 190 |       |
| F101410   | J016   | 0.5-6 | 1/32"-1/4"  | B10<br>(Φ10.094) |                  |    |     | 31   | 64   | 17.5  | 320 |       |
| F101510   | J026   | 0.5-6 | 1/32"-1/4"  |                  | JT1<br>(Φ9.754)  |    |     | 31   | 64   | 19.2  | 320 |       |
| F101610   | J0110  | 1-10  | 1/32"-3/8"  | B12<br>(Φ12.065) |                  |    |     | 43   | 95   | 22    | 400 |       |
| F101710   | J0210  | 1-10  | 1/32"-3/8"  |                  | JT2<br>(Φ14.199) |    |     | 43   | 95   | 26    | 400 |       |
| F101810   | J0113  | 1-13  | 1/16"-1/2"  | B16<br>(Φ15.733) |                  |    |     | 48   | 106  | 28    | 685 |       |
| F101811   | J0113A | 1-13  | 1/16"-1/2"  | B12<br>(Φ12.065) |                  |    |     | 48   | 106  | 22    | 685 |       |
| F101910   | J0213  | 1-13  | 1/16"-1/2"  |                  | JT33<br>(Φ15.85) |    |     | 48   | 106  | 29    | 685 |       |
| F101911   | J0213A | 1-13  | 1/16"-1/2"  |                  | JT6<br>(Φ17.170) |    |     | 48   | 106  | 29    | 685 |       |
| F102010   | J0116  | 1-16  | 1/8"-5/8"   | B18<br>(Φ17.780) |                  |    |     | 53   | 116  | 36    | 988 |       |
| F102011   | J0116A | 1-16  | 1/8"-5/8"   | B16<br>(Φ15.733) |                  |    |     | 53   | 116  | 28    | 988 |       |
| F102110   | J0216  | 1-16  | 1/8"-5/8"   |                  | JT3<br>(Φ20.599) |    |     | 53   | 116  | 35    | 988 |       |
| F102111   | J0216A | 1-16  | 1/8"-5/8"   |                  | JT6<br>(Φ17.170) |    |     | 53   | 116  | 29    | 988 |       |
| F102210   | J0120  | 5-20  | 3/16"-3/4"  | B22<br>(Φ21.793) |                  |    |     | 62   | 132  | 30    | 989 |       |
| F102211   | J0220  | 5-20  | 3/16"-3/4"  |                  | JT3<br>(Φ20.599) |    |     | 62   | 132  | 31    | 990 |       |



轻型自紧钻夹头

▼F111010-F111611 订单号 Order NO.

LIGHT-DUTY KEYLESS DRILL CHUCK



JietHe® 自紧式钻夹头

- 特点：制造精密、精度高，装夹刀具方便，更有锁紧功能。
- 适用于：数控加工中心，生产性钻具、坐标镗床、数控铣床、车床等精密切削设备。

● 标准型 (BZ系列)

| Order No. | Type   | C     |            | D1               |                  | D2 |     | D mm | L mm | L1 mm | g   | Price |
|-----------|--------|-------|------------|------------------|------------------|----|-----|------|------|-------|-----|-------|
|           |        | mm    | "          | Taper            | Taper            | mm | UNF |      |      |       |     |       |
| F111010   | J036   | 0.5-6 | 1/32"-1/4" |                  |                  |    |     | 31   | 64   | 16    | 320 |       |
| F111110   | J0510  | 1-10  | 1/32"-3/8" | B12<br>(Φ12.065) |                  |    |     | 42   | 91   | 22    | 400 |       |
| F111210   | J0310A | 1-10  | 1/32"-3/8" |                  |                  |    |     | 42   | 86   | 17.5  | 400 |       |
| F111211   | J0310B | 1-10  | 1/32"-3/8" |                  |                  |    |     | 42   | 86   | 16    | 400 |       |
| F111310   | J0513  | 1-13  | 1/16"-1/2" | B16<br>(Φ15.733) |                  |    |     | 44   | 97   | 28    | 600 |       |
| F111311   | J0513A | 1-13  | 1/16"-1/2" | B12<br>(Φ12.065) |                  |    |     | 44   | 97   | 22    | 600 |       |
| F111410   | J0613  | 1-13  | 1/16"-1/2" |                  | JT33<br>(Φ15.85) |    |     | 44   | 97   | 29    | 600 |       |
| F111411   | J0613A | 1-13  | 1/16"-1/2" |                  | JT6<br>(Φ17.170) |    |     | 44   | 97   | 29    | 600 |       |
| F111412   | J0313A | 1-13  | 1/16"-1/2" |                  |                  |    |     | 44   | 90   | 17.5  | 600 |       |
| F111413   | J0313B | 1-13  | 1/16"-1/2" |                  |                  |    |     | 44   | 90   | 16    | 600 |       |
| F111510   | J0516  | 1-16  | 1/8"-5/8"  | B18<br>(Φ17.780) |                  |    |     | 48   | 102  | 36    | 965 |       |
| F111511   | J0516A | 1-16  | 1/8"-5/8"  | B16<br>(Φ15.733) |                  |    |     | 48   | 102  | 28    | 965 |       |
| F111610   | J0616  | 1-16  | 1/8"-5/8"  |                  | JT3<br>(Φ20.599) |    |     | 48   | 102  | 35    | 965 |       |
| F111511   | J0616A | 1-16  | 1/8"-5/8"  |                  | JT6<br>(Φ17.170) |    |     | 48   | 102  | 29    | 965 |       |
| F111610   | J0316  | 1-16  | 1/8"-5/8"  |                  |                  |    |     | 48   | 102  | 19    | 965 |       |
| F111611   | J0316A | 1-16  | 1/8"-5/8"  |                  |                  |    |     | 48   | 102  | 17.5  | 965 |       |



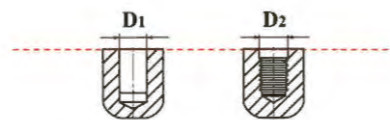
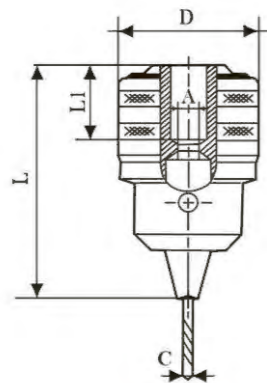




## 蓝钻标准钻夹头

▼F141010-F142210 订单号 Order NO.

KEY DRILL CHUCK



### 蓝钻石® 标准型钻夹头

- 特点: 铬钢夹爪, 整体淬火, 爪母研磨, 表面处理。
- 适用于: 经常加工锻件、铸件、工作环境差, 使用频率高的手工具行业、锁具行业。并适配多种生产型钻具。



● 标准型 (BZ系列)

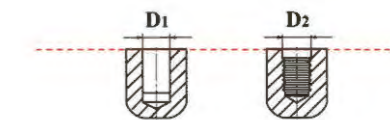
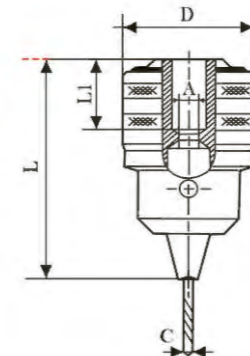
| Order No. | Type   | C      |             | D1              |               | D2 |     | D mm | L mm | L1 mm | A mm | g     | Price |
|-----------|--------|--------|-------------|-----------------|---------------|----|-----|------|------|-------|------|-------|-------|
|           |        | mm     | "           | Taper           | Taper         | mm | UNF |      |      |       |      |       |       |
| F141010   | J214   | 0.3-4  | 0-5/32"     | B6 (Φ6.35)      |               |    |     | 21.7 | 34.5 | 136.5 |      | 40    | K1    |
| F141110   | J224   | 0.15-4 | 0-5/32"     |                 | JT0 (Φ6.35)   |    |     | 21.7 | 34.5 | 136.5 |      | 40    | K1    |
| F141111   | J224J  | 0.1-4  | 0-5/32"     |                 | JT0 (Φ6.35)   |    |     | 21.7 | 34.5 | 136.5 |      | 40    | K1    |
| F141210   | J216   | 0.6-6  | 1/32"-1/4"  | B10 (Φ10.094)   |               |    |     | 30   | 49   | 17.5  |      | 1365  | K2    |
| F141310   | J226   | 0.6-6  | 1/32"-1/4"  |                 | JT1 (Φ9.754)  |    |     | 30   | 49   | 19.2  |      | 1365  | K2    |
| F141410   | J2110  | 1-10   | 1/32"-3/8"  | B136 (Φ136.065) |               |    |     | 43   | 69   | 22    |      | 335   | K4    |
| F141510   | J2210  | 1-10   | 1/32"-3/8"  |                 | JT2 (Φ14.199) |    |     | 43   | 69   | 26    |      | 335   | K4    |
| F141610   | J2113  | 1-13   | 1/32"-1/2"  | B16 (Φ15.733)   |               |    |     | 53   | 86   | 28    |      | 625   | K5    |
| F141710   | J2213  | 1-13   | 1/32"-1/2"  |                 | JT6 (Φ17.170) |    |     | 53   | 86   | 29    |      | 625   | K5    |
| F141711   | J2213A | 1-13   | 1/32"-1/2"  |                 | JT33 (Φ15.85) |    |     | 53   | 86   | 29    |      | 625   | K5    |
| F141712   | J2213B | 1-13   | 1/32"-1/2"  |                 | JT3 (Φ20.599) |    |     | 53   | 93   | 35    |      | 625   | K5    |
| F141810   | J2116  | 1-16   | 1/32"-5/8"  | B18 (Φ17.780)   |               |    |     | 57   | 93   | 36    |      | 818   | K5    |
| F141910   | J2216  | 1-16   | 1/32"-5/8"  |                 | JT3 (Φ20.599) |    |     | 57   | 93   | 35    |      | 818   | K5    |
| F141911   | J2216A | 1-16   | 1/32"-5/8"  |                 | JT6 (Φ17.170) |    |     | 57   | 93   | 29    |      | 818   | K5    |
| F142010   | J2116A | 3-16   | 1/8"-5/8"   | B16 (Φ15.733)   |               |    |     | 53   | 86   | 17.5  |      | 625   | K5    |
| F142011   | J2116B | 3-16   | 1/8"-5/8"   | B18 (Φ17.780)   |               |    |     | 53   | 86   | 16    | Φ6.5 | 625   | K5    |
| F142110   | J21360 | 5-20   | 13/64"-3/4" | B22 (Φ21.793)   |               |    |     | 65   | 107  | 45    |      | 13614 | K6    |
| F142210   | J2220  | 5-20   | 13/64"-3/4" |                 | JT3 (Φ20.599) |    |     | 65   | 107  | 35    |      | 13614 | K6    |



## 蓝钻紧凑钻夹头

▼F151010-F152510 订单号 Order NO.

KEY DRILL CHUCK



### 蓝钻石® 紧凑型钻夹头

- 特点: 经济型产品。精度高, 旋转柔和, 专为各类钻床、机床设计制造。
- 适用于: 精密机械加工行业, 适配各种切削设备, 生产性钻具, 坐标镗床, 铣床, 车床及数控机床。



● 紧凑型 (JC系列)

| Order No. | Type    | C     |             | D1            |               | D2       |            | D mm | L mm | L1 mm | A mm | g    | Price |
|-----------|---------|-------|-------------|---------------|---------------|----------|------------|------|------|-------|------|------|-------|
|           |         | mm    | "           | Taper         | Taper         | mm       | UNF        |      |      |       |      |      |       |
| F151010   | J214    | 0.3-4 | 0-5/32"     | B6 (Φ6.35)    |               |          |            | 21.7 | 34.5 | 12.5  |      | 40   | K1    |
| F151110   | J224    | 0.3-4 | 0-5/32"     |               | JT0 (Φ6.35)   |          |            | 21.7 | 34.5 | 12.5  |      | 40   | K1    |
| F151111   | J224J   | 0.1-4 | 0-5/32"     |               | JT0 (Φ6.35)   |          |            | 21.7 | 34.5 | 12.5  |      | 40   | K1    |
| F151210   | J216    | 0.6-6 | 1/32"-1/4"  | B10 (Φ10.094) |               |          |            | 30   | 49   | 17.5  |      | 125  | K2    |
| F151310   | J226    | 0.6-6 | 1/32"-3/8"  |               | JT1 (Φ9.754)  |          |            | 30   | 49   | 19.2  |      | 125  | K2    |
| F151410   | J2110   | 1-10  | 1/32"-3/8"  | B12 (Φ12.065) |               |          |            | 43   | 69   | 22    |      | 335  | K4    |
| F151411   | J2110A  | 1-10  | 1/32"-3/8"  | B16 (Φ15.733) |               |          |            | 43   | 69   | 22    |      | 335  | K4    |
| F151510   | J2210   | 1-10  | 1/32"-3/8"  |               | JT2 (Φ14.199) |          |            | 43   | 69   | 26    |      | 335  | K4    |
| F151610   | J3110   | 1-10  | 1/32"-3/8"  |               |               | M12×1.25 |            | 43   | 69   | 16    | Φ5.5 | 335  | K4    |
| F151611   | J3110A  | 1-10  | 1/32"-3/8"  |               |               |          | 1/2"-20UNF | 43   | 69   | 17.5  | Φ5.5 | 335  | K4    |
| F151612   | J3110B  | 1-10  | 1/32"-3/8"  |               |               |          | 3/8"-24UNF | 43   | 69   | 16    | Φ5.5 | 335  | K4    |
| F151710   | J21137  | 1-137 | 1/32"-1/2"  | B16 (Φ15.733) |               |          |            | 53   | 86   | 28    |      | 625  | K5    |
| F151711   | J21137A | 1-137 | 1/32"-1/2"  | B18 (Φ17.780) |               |          |            | 53   | 86   | 28    |      | 625  | K5    |
| F151810   | J22137  | 1-137 | 1/32"-1/2"  |               | JT6 (Φ17.170) |          |            | 53   | 86   | 29    |      | 625  | K5    |
| F151811   | J22137A | 1-137 | 1/32"-1/2"  |               | JT33 (Φ15.85) |          |            | 53   | 86   | 29    |      | 625  | K5    |
| F151812   | J22137B | 1-137 | 1/32"-1/2"  |               | JT3 (Φ20.599) |          |            | 53   | 93   | 35    |      | 625  | K5    |
| F151910   | J31137  | 1-16  | 1/32"-1/2"  |               |               | M12×1.25 |            | 53   | 86   | 16    | Φ6.5 | 625  | K5    |
| F151911   | J31137A | 1-16  | 1/32"-1/2"  |               |               |          | 1/2"-20UNF | 53   | 86   | 17.5  | Φ6.5 | 625  | K5    |
| F151912   | J31137B | 1-16  | 1/32"-1/2"  |               |               |          | 3/8"-24UNF | 53   | 86   | 17.5  | Φ6.5 | 625  | K5    |
| F152010   | J2116   | 1-16  | 1/32"-5/8"  | B18 (Φ17.780) |               |          |            | 57   | 93   | 36    |      | 818  | K5    |
| F152110   | J2216   | 1-16  | 1/32"-5/8"  |               | JT3 (Φ20.599) |          |            | 57   | 93   | 35    |      | 818  | K5    |
| F152111   | J2216A  | 1-16  | 1/32"-5/8"  |               | JT6 (Φ17.170) |          |            | 57   | 93   | 29    |      | 818  | K5    |
| F152210   | J2116A  | 3-16  | 1/8"-5/8"   | B16 (Φ15.733) |               |          |            | 53   | 86   | 17.5  |      | 625  | K5    |
| F152211   | J2116B  | 3-16  | 1/8"-5/8"   | B18 (Φ17.780) |               |          |            | 53   | 86   | 16    | Φ6.5 | 625  | K5    |
| F152310   | J3116A  | 3-16  | 1/8"-5/8"   |               |               |          | 1/2"-20UNF | 53   | 86   | 17.5  | Φ6.5 | 625  | K5    |
| F152311   | J3116B  | 3-16  | 1/8"-5/8"   |               |               |          | 5/8"-16UN  | 53   | 86   | 19    | Φ6.5 | 625  | K5    |
| F152410   | J2120   | 5-20  | 13/64"-3/4" | B22 (Φ21.793) |               |          |            | 65   | 107  | 45    |      | 1214 | K6    |
| F152510   | J2220   | 5-20  | 13/64"-3/4" |               | JT3 (Φ20.599) |          |            | 65   | 107  | 35    |      | 1214 | K6    |

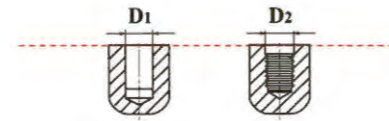
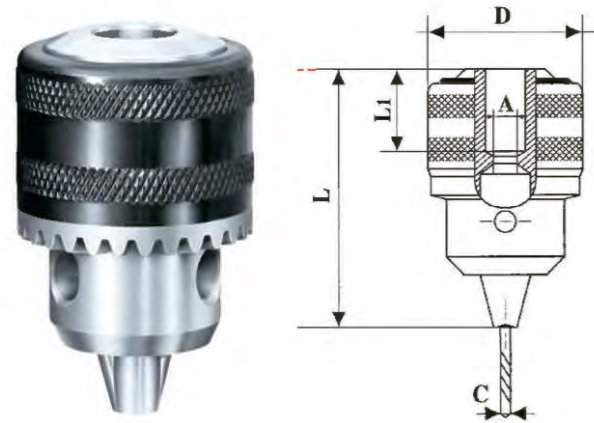




轻型钻夹头

▼F161010-F162210 订单号 Order NO.

LIGHT-DUTY KEY DRILL CHUCK



**Jiethe** 轻型钻夹头

- 特点: 体积小、重量轻、经济实惠。
- 适用于: 小型机床及电动、风动工具, 适配: 博世、得伟、日立、牧田、AEG、龙牌及其他名优品牌枪钻。

●通用包装 ●挂卡包装

此包装为大中型超市设计

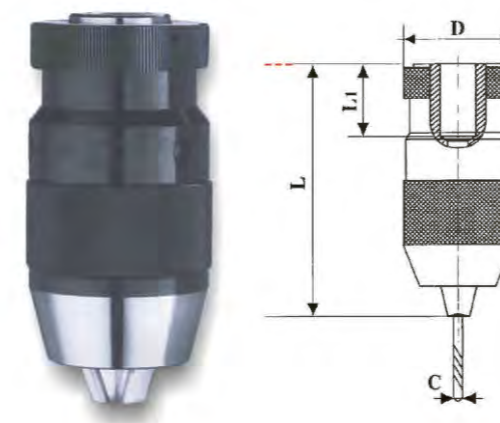
| Order No. | Type   | C      |            | D1            |                | D2       |            | D mm | L mm | L1 mm | A mm | g   | Key | Price |
|-----------|--------|--------|------------|---------------|----------------|----------|------------|------|------|-------|------|-----|-----|-------|
|           |        | mm     | "          | Taper         | Taper          | mm       | UNF        |      |      |       |      |     |     |       |
| F161010   | J3506  | 0.8-6  | 1/32"-1/4" |               |                | M12×1.25 |            | 28   | 49.5 | 16    | Φ5.5 | 95  | K3  |       |
| F161110   | J3506A | 0.8-6  | 1/32"-1/4" |               |                |          | 3/8"-24UNF | 28   | 49.5 | 16    | Φ5.5 | 95  | K3  |       |
| F161111   | J3510  | 1.5-10 | 1/32"-3/8" |               |                | M12×1.25 |            | 34   | 57   | 16    | Φ5.5 | 180 | K3  |       |
| F161210   | J3510A | 1.5-10 | 1/32"-3/8" |               |                |          | 1/2"-20UNF | 34   | 57   | 16    | Φ5.5 | 180 | K3  |       |
| F161310   | J3510B | 1.5-10 | 1/32"-3/8" |               |                |          | 3/8"-24UNF | 34   | 57   | 16    | Φ5.5 | 180 | K3  |       |
| F161410   | J3510H | 1.5-10 | 1/32"-3/8" |               |                |          | 3/8"-24UNF | 33   | 57   | 16    | Φ5.5 | 180 | K3  |       |
| F161411   | J2510  | 1.5-10 | 1/32"-3/8" | B12 (Φ12.065) |                |          |            | 34   | 62   | 22    |      | 180 | K3  |       |
| F161510   | J2610  | 1.5-10 | 1/32"-3/8" |               | JT2 (Φ138.199) |          |            | 34   | 62   | 26    |      | 180 | K3  |       |
| F161610   | J3513  | 1.5-13 | 1/16"-1/2" |               |                | M12×1.25 |            | 43   | 73   | 16    | Φ5.5 | 320 | K4  |       |
| F161611   | J3513A | 1.5-13 | 1/16"-1/2" |               |                |          | 1/2"-20UNF | 43   | 73   | 17.5  | Φ5.5 | 320 | K4  |       |
| F161612   | J3513B | 1.5-13 | 1/16"-1/2" |               |                |          | 3/8"-24UNF | 43   | 73   | 16    | Φ5.5 | 320 | K4  |       |
| F161710   | J2513  | 1.5-13 | 1/16"-1/2" | B16 (Φ15.733) |                |          |            | 43   | 73   | 28    |      | 320 | K4  |       |
| F161711   | J2513A | 1.5-13 | 1/16"-1/2" | B12 (Φ12.065) |                |          |            | 43   | 73   | 22    |      | 320 | K4  |       |
| F161810   | J2613  | 1.5-13 | 1/16"-1/2" |               | JT33 (Φ15.85)  |          |            | 43   | 73   | 29    |      | 320 | K4  |       |
| F161811   | J2613A | 1.5-13 | 1/16"-1/2" |               | JT6 (Φ17.170)  |          |            | 43   | 73   | 29    |      | 320 | K4  |       |
| F161812   | J3516  | 3-16   | 1/16"-1/2" |               |                | M12×1.25 |            | 52   | 86   | 16    | Φ6.5 | 584 | K5  |       |
| F161910   | J3516A | 3-16   | 1/8"-5/8"  |               |                |          | 1/2"-20UNF | 52   | 86   | 17.5  | Φ6.5 | 584 | K5  |       |
| F161911   | J3516B | 3-16   | 1/8"-5/8"  |               |                |          | 5/8"-16UNF | 52   | 86   | 19    | Φ6.5 | 584 | K5  |       |
| F161912   | J3516C | 3-16   | 1/8"-5/8"  |               |                | M16×1.5  |            | 52   | 86   | 19    | Φ6.5 | 584 | K5  |       |
| F162010   | J2516  | 3-16   | 1/8"-5/8"  | B16 (Φ15.733) |                |          |            | 52   | 86   | 28    |      | 584 | K5  |       |
| F162110   | J2516A | 3-16   | 1/8"-5/8"  | B18 (Φ17.780) | JT3 (Φ20.599)  |          |            | 52   | 86   | 36    |      | 584 | K5  |       |
| F162111   | J2616  | 3-16   | 1/8"-5/8"  |               | JT3 (Φ20.599)  |          |            | 52   | 86   | 35    |      | 584 | K5  |       |
| F162210   | J2616A | 3-16   | 1/8"-5/8"  |               | JT6 (Φ17.170)  |          |            | 52   | 86   | 29    |      | 584 | K5  |       |



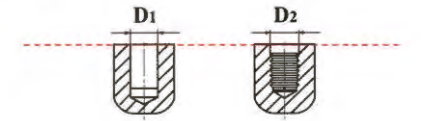
蓝钻重型自紧钻夹头

▼F171010-F172111 订单号 Order NO.

HEAVY-DUTY KEYLESS DRILL CHUCK



▼可选配 OPTIONA



**蓝钻石**® 自紧式钻夹头

- 特点: 制造精密、精度高, 装夹刀具方便, 更有自动锁紧功能。
- 适用于: 高精数控加工中心, 适配高精密切削设备, 生产性钻具、坐标镗床、铣床、车床及数控机床。

●精密型 (JM系列)

| Order No. | Type   | C     |             | D1             |               | D2 |     | D mm | L mm | L1 mm | g   | Price |
|-----------|--------|-------|-------------|----------------|---------------|----|-----|------|------|-------|-----|-------|
|           |        | mm    | "           | Taper          | Taper         | mm | UNF |      |      |       |     |       |
| F171010   | J013   | 0.2-3 | 1/64"-1/8"  | B6 (Φ6.35)     |               |    |     | 24   | 45.1 | 41.5  | 100 |       |
| F171110   | J023   | 0.2-3 | 1/64"-1/8"  |                | JT0 (Φ6.35)   |    |     | 24   | 45.1 | 41.5  | 100 |       |
| F171210   | J014   | 0.2-4 | 1/64"-5/32" | B10 (Φ10.094)  |               |    |     | 29   | 60.8 | 55    | 190 |       |
| F171310   | J024   | 0.2-4 | 1/64"-5/32" |                | JT1 (Φ9.754)  |    |     | 29   | 60.8 | 55    | 190 |       |
| F171410   | J016   | 0.5-6 | 1/32"-1/4"  | B10 (Φ10.094)  |               |    |     | 31   | 64   | 17.5  | 320 |       |
| F171510   | J026   | 0.5-6 | 1/32"-1/4"  |                | JT1 (Φ9.754)  |    |     | 31   | 64   | 19.2  | 320 |       |
| F171610   | J0110  | 1-10  | 1/32"-3/8"  | B12 (Φ12.065)  |               |    |     | 42   | 91   | 22    | 400 |       |
| F171710   | J0210  | 1-10  | 1/32"-3/8"  |                | JT2 (Φ14.199) |    |     | 42   | 91   | 26    | 400 |       |
| F171810   | J0113  | 1-13  | 1/16"-1/2"  | B16 (Φ139.733) |               |    |     | 48   | 106  | 28    | 685 |       |
| F171811   | J0113A | 1-13  | 1/16"-1/2"  | B12 (Φ12.065)  |               |    |     | 48   | 106  | 22    | 685 |       |
| F171910   | J0213  | 1-13  | 1/16"-1/2"  |                | JT33 (Φ15.85) |    |     | 48   | 106  | 29    | 685 |       |
| F171911   | J0213A | 1-13  | 1/16"-1/2"  |                | JT6 (Φ17.170) |    |     | 48   | 106  | 29    | 685 |       |
| F172010   | J0116  | 1-16  | 1/8"-5/8"   | B18 (Φ17.780)  |               |    |     | 53   | 108  | 36    | 988 |       |
| F172011   | J0116A | 1-16  | 1/8"-5/8"   | B16 (Φ15.733)  |               |    |     | 53   | 108  | 28    | 988 |       |
| F172110   | J0216  | 1-16  | 1/8"-5/8"   |                | JT3 (Φ20.599) |    |     | 53   | 108  | 35    | 988 |       |
| F172111   | J0216A | 1-16  | 1/8"-5/8"   |                | JT6 (Φ17.170) |    |     | 53   | 108  | 29    | 988 |       |



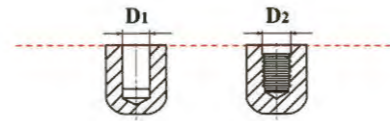
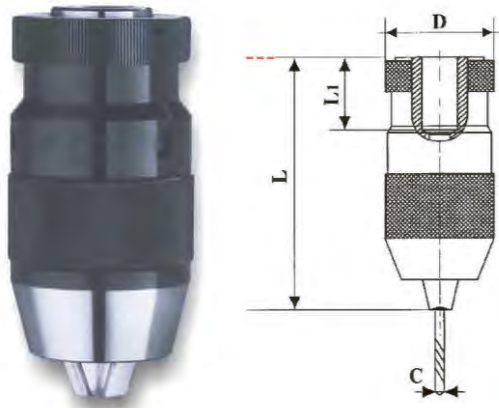




蓝钻轻型自紧钻夹头

▼F181010-F181811 订单号 Order NO.

LIGHT-DUTY KEYLESS DRILL CHUCK



**蓝钻石®自紧式钻夹头**

- 特点：制造精密、精度高、装夹刀具方便，更有锁紧功能。
- 适用于：数控加工中心、生产性钻具、坐标镗床、数控铣床、车床等精密切削设备。

● 标准型 (BZ系列)

| Order No. | Type   | C     |            | D1               |                  | D2 |            | D mm | L mm | L1 mm | g   | Price |
|-----------|--------|-------|------------|------------------|------------------|----|------------|------|------|-------|-----|-------|
|           |        | mm    | "          | Taper            | Taper            | mm | UNF        |      |      |       |     |       |
| F181010   | J036   | 0.5-6 | 1/32"-1/4" |                  |                  |    | 3/8"-24UNF | 31   | 64   | 16    | 320 |       |
| F181110   | J0510  | 1-10  | 1/32"-3/8" | B12<br>(Φ12.065) |                  |    |            | 42   | 91   | 22    | 400 |       |
| F181210   | J0310A | 1-10  | 1/32"-3/8" |                  |                  |    | 1/2"-20UNF | 42   | 86   | 17.5  | 400 |       |
| F181211   | J0310B | 1-10  | 1/32"-3/8" |                  |                  |    | 3/8"-24UNF | 42   | 86   | 16    | 400 |       |
| F181310   | J0513  | 1-13  | 1/16"-1/2" | B16<br>(Φ15.733) |                  |    |            | 44   | 97   | 28    | 600 |       |
| F181311   | J0513A | 1-13  | 1/16"-1/2" | B12<br>(Φ12.065) |                  |    |            | 44   | 97   | 22    | 600 |       |
| F181410   | J0613  | 1-13  | 1/16"-1/2" |                  | JT33<br>(Φ15.85) |    |            | 44   | 97   | 29    | 600 |       |
| F181411   | J0613A | 1-13  | 1/16"-1/2" |                  | JT6<br>(Φ17.170) |    |            | 44   | 97   | 29    | 600 |       |
| F181510   | J0313A | 1-13  | 1/16"-1/2" |                  |                  |    | 1/2"-20UNF | 44   | 90   | 17.5  | 600 |       |
| F181511   | J0313B | 1-13  | 1/16"-1/2" |                  |                  |    | 3/8"-24UNF | 44   | 90   | 16    | 600 |       |
| F181610   | J0516  | 1-16  | 1/8"-5/8"  | B18<br>(Φ17.780) |                  |    |            | 48   | 102  | 36    | 965 |       |
| F181611   | J0516A | 1-16  | 1/8"-5/8"  | B16<br>(Φ15.733) |                  |    |            | 48   | 102  | 28    | 965 |       |
| F181710   | J0616  | 1-16  | 1/8"-5/8"  |                  | JT3<br>(Φ20.599) |    |            | 48   | 102  | 35    | 965 |       |
| F181711   | J0616A | 1-16  | 1/8"-5/8"  |                  | JT6<br>(Φ17.170) |    |            | 48   | 102  | 29    | 965 |       |
| F181810   | J0316  | 1-16  | 1/8"-5/8"  |                  |                  |    | 5/8"-16UNF | 48   | 102  | 19    | 965 |       |
| F181811   | J0316A | 1-16  | 1/8"-5/8"  |                  |                  |    | 1/2"-20UNF | 48   | 102  | 17.5  | 965 |       |

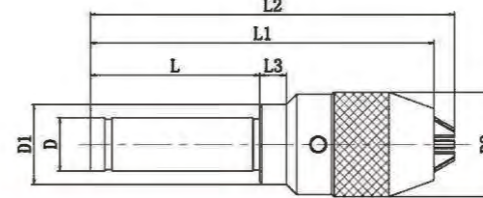


高精度自紧夹头

▼F191010-F191416 订单号 Order NO.

HIGH PRECISION KEYLESS DRILL CHUCKS

1. 高精度直柄、R8、莫氏柄
  2. 具有高精度、高夹紧、高可靠性和稳定性
  3. 夹爪采用高科技的钛合金镀膜，可使夹爪更耐磨耐用及确保精度
  4. 库存也有普通爪
1. High precision straight shank, R8 shank, Morse taper.
  2. High precision and high gripping force, high reliability and stability.
  3. The benefit of adopting Titanium is to increase the intensity and wear-resistance.
  4. General jaw in stock



| Order NO. | Type   | Capacity range |           | Dimensione |       |       |      |        | Price |
|-----------|--------|----------------|-----------|------------|-------|-------|------|--------|-------|
|           |        | mm             | inch      | D1         | L1    | L2    | L    | D      |       |
| F191010   | C20-13 | 1.0-13         | 1/32-1/2  | 51         | 143   | 155.5 | 60   | 20     |       |
| F191011   | C20-16 | 1.0-16         | 1/32-5/8  | 57         | 153   | 167.5 | 60   | 20     |       |
| F191012   | C25-13 | 1.0-13         | 1/32-1/2  | 51         | 162   | 174   | 80   | 25     |       |
| F191013   | C25-16 | 1.0-16         | 1/32-5/8  | 57         | 173   | 187.5 | 80   | 25     |       |
| F191014   | C32-13 | 1.0-13         | 1/32-1/2  | 51         | 162   | 174   | 80   | 32     |       |
| F191015   | C32-16 | 1.0-16         | 1/32-5/8  | 57         | 173   | 187.5 | 80   | 32     |       |
| F191016   | C42-13 | 1.0-13         | 1/32-1/2  | 51         | 162   | 174   | 80   | 42     |       |
| F191017   | C42-16 | 1.0-16         | 1/32-5/8  | 57         | 173   | 187.5 | 80   | 42     |       |
| F191110   | R8-10  | 1.0-10         | 1/32-3/8  | 43.5       | 161.5 | 170   | 102  | 31.75  |       |
| F191111   | R8-13  | 1.0-13         | 1/32-1/2  | 51         | 183.5 | 195   | 102  | 31.75  |       |
| F191112   | R8-16  | 1.0-16         | 1/32-5/8  | 57         | 195   | 210   | 102  | 31.75  |       |
| F191410   | MT2-08 | 1.0-8          | 1/32-5/16 | 36         | 122.5 | 131   | 63   | 17.780 |       |
| F191411   | MT2-10 | 1.0-10         | 1/32-3/8  | 43.5       | 136   | 145   | 63   | 17.780 |       |
| F191412   | MT2-13 | 1.0-13         | 1/32-1/2  | 51         | 140.5 | 152.5 | 63   | 17.78  |       |
| F191413   | MT3-13 | 1.0-13         | 1/32-1/2  | 51         | 182.5 | 195   | 99.5 | 23.825 |       |
| F191414   | MT3-16 | 1.0-16         | 1/32-5/8  | 57         | 208   | 219.5 | 99.5 | 23.825 |       |
| F191415   | MT4-13 | 1.0-13         | 1/32-1/2  | 51         | 207   | 218.5 | 125  | 31.542 |       |
| F191416   | MT4-16 | 1.0-16         | 1/32-5/8  | 56.5       | 219   | 234.5 | 125  | 31.542 |       |

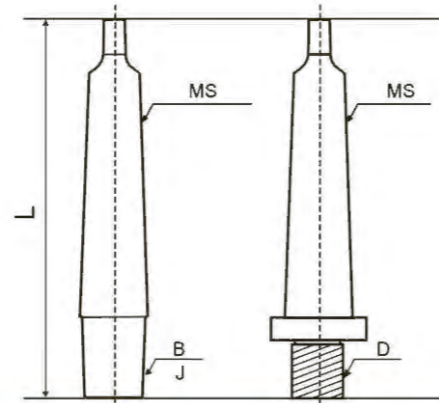




莫氏锥度钻接杆

▼F201010-F201125 订单号 Order NO.

MORSE TAPER DRILL CHUCK ARBORS



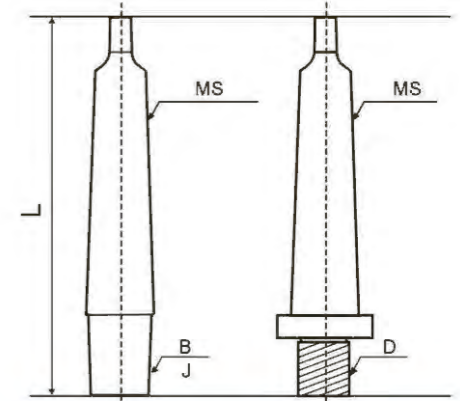
| Order NO. | Type           | MS NO | B DIN | J JACOBS | D UNF | L mm       | N.W. (g) | Price |  |
|-----------|----------------|-------|-------|----------|-------|------------|----------|-------|--|
| F201010   | MS1×B10        | 1     | B10   |          |       | 86         | 57       |       |  |
| F201011   | MS1×B12        |       | B12   |          |       | 89         | 65       |       |  |
| F201012   | MS1×B16        |       | B16   |          |       | 99         | 91       |       |  |
| F201013   | MS1×B18        |       | B18   |          |       | 107        | 124      |       |  |
| F201014   | MS1×J0         |       |       | J0       |       | 81         | 47       |       |  |
| F201015   | MS1×J1         |       |       | J1       |       | 86.5       | 53       |       |  |
| F201016   | MS1×J2         |       |       | J2       |       | 92         | 71       |       |  |
| F201017   | MS1×J33        |       |       | J33      |       | 95         | 82       |       |  |
| F201018   | MS1×J6         |       |       | J6       |       | 95         | 124      |       |  |
| F201110   | MS2×B10        |       | 2     | B10      |       |            | 102      | 129   |  |
| F201111   | MS2×B12        | B12   |       |          |       | 113        | 138      |       |  |
| F201112   | MS2×B16        | B16   |       |          |       | 121        | 163      |       |  |
| F201113   | MS2×B18        | B18   |       |          |       | 126        | 196      |       |  |
| F201114   | MS2×B22        | B22   |       |          |       | 97         | 247      |       |  |
| F201115   | MS2×J0         |       |       | J0       |       | 102        | 120      |       |  |
| F201116   | MS2×J1         |       |       | J1       |       | 108        | 126      |       |  |
| F201117   | MS2×J2         |       |       | J2       |       | 111        | 143      |       |  |
| F201118   | MS2×J33        |       |       | J33      |       | 111        | 154      |       |  |
| F201119   | MS2×J6         |       |       | J6       |       | 112        | 162      |       |  |
| F201120   | MS2×J3         |       |       | J3       |       | 124        | 196      |       |  |
| F201121   | MS2×J4         |       |       | J4       |       | 126.5      | 197      |       |  |
| F201122   | MS2×J5         |       |       | J5       |       | 130        | 198      |       |  |
| F201123   | MS2× (3/8"-24) |       |       |          |       | 3/8"-24UNF | 105      | 130   |  |
| F201124   | MS2× (1/2"-20) |       |       |          |       | 1/2"-20UNF | 107      | 135   |  |
| F201125   | MS2× (5/8"-16) |       |       |          |       | 5/8"-16UN  | 125      | 145   |  |



莫氏锥度钻接杆

▼F201210-F201418 订单号 Order NO.

MORSE TAPER DRILL CHUCK ARBORS



| Order NO. | Type          | MS NO | B DIN | J JACOBS | D UNF | L mm       | N.W. (g) | Price |  |
|-----------|---------------|-------|-------|----------|-------|------------|----------|-------|--|
| F201210   | MS3×B12       | 3     | B12   |          |       | 125        | 283      |       |  |
| F201211   | MS3×B16       |       | B16   |          |       | 134        | 309      |       |  |
| F201212   | MS3×B18       |       | B18   |          |       | 140        | 341      |       |  |
| F201213   | MS3×B22       |       | B22   |          |       | 147        | 393      |       |  |
| F201214   | MS3×B24       |       | B24   |          |       | 157        | 436      |       |  |
| F201215   | MS3×J1        |       |       | J1       |       | 120.5      | 271      |       |  |
| F201216   | MS3×J2        |       |       | J2       |       | 126        | 288      |       |  |
| F201217   | MS3×J33       |       |       | J33      |       | 129        | 300      |       |  |
| F201218   | MS3×J6        |       |       | J6       |       | 129        | 307      |       |  |
| F201219   | MS3×J3        |       |       | J3       |       | 135        | 341      |       |  |
| F201220   | MS3×J4        |       |       | J4       |       | 146        | 456      |       |  |
| F201221   | MS3×J5        |       |       | J5       |       | 149        | 457      |       |  |
| F201222   | MS3×(3/8"-24) |       |       |          |       | 3/8"-24UNF | 124      | 285   |  |
| F201223   | MS3×(1/2"-20) |       |       |          |       | 1/2"-20UNF | 126      | 290   |  |
| F201224   | MS3×(5/8"-16) |       |       |          |       | 5/8"-16UN  | 157      | 300   |  |
| F201310   | MS4×B16       | 4     | B16   |          |       | 159        | 621      |       |  |
| F201311   | MS4×B18       |       | B18   |          |       | 168        | 654      |       |  |
| F201312   | MS4×B22       |       | B22   |          |       | 176        | 705      |       |  |
| F201313   | MS4×B24       |       | B24   |          |       | 186        | 749      |       |  |
| F201314   | MS4×J2        |       |       | J2       |       | 149        | 601      |       |  |
| F201315   | MS4×J33       |       |       | J33      |       | 155        | 612      |       |  |
| F201316   | MS4×J6        |       |       | J6       |       | 155        | 619      |       |  |
| F201317   | MS4×J3        |       |       | J3       |       | 161        | 654      |       |  |
| F201318   | MS4×J4        |       |       | J4       |       | 172        | 778      |       |  |
| F201319   | MS4×J5        |       |       | J5       |       | 174        | 935      |       |  |
| F201410   | MS5×B16       | 5     | B16   |          |       | 196        | 1505     |       |  |
| F201411   | MS5×B18       |       | B18   |          |       | 205        | 1564     |       |  |
| F201412   | MS5×B22       |       | B22   |          |       | 213.5      | 1615     |       |  |
| F201413   | MS5×B24       |       | B24   |          |       | 221        | 1658     |       |  |
| F201414   | MS5×J33       |       |       | J33      |       | 184        | 1563     |       |  |
| F201415   | MS5×J6        |       |       | J6       |       | 184        | 1688     |       |  |
| F201416   | MS5×J3        |       |       | J3       |       | 190        | 1845     |       |  |
| F201417   | MS5×J4        |       |       | J4       |       | 201        | 1846     |       |  |
| F201418   | MS5×J5        |       |       | J5       |       | 206        | 1847     |       |  |

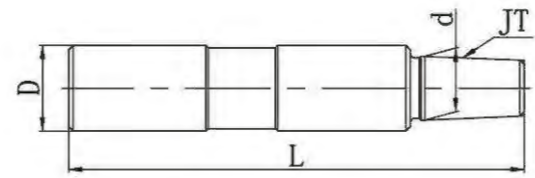




直柄钻接杆

▼F211010-F211221 订单号 Order NO.

STRAIGHT SHANK DRILL CHUCK ARBORS



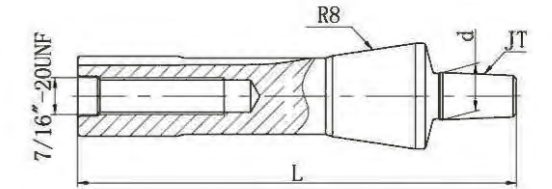
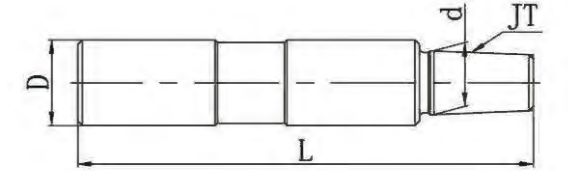
| Order NO. | Type     | D in | D mm  | NO.S   | L mm | d mm   | Price |
|-----------|----------|------|-------|--------|------|--------|-------|
| F211010   | 3/8"×J0  | 3/8" | 9.525 | J0     | 79   | 6.35   |       |
| F211011   | 3/8"×J1  |      |       | J1     | 84   | 9.754  |       |
| F211110   | 1/2"×B10 | 1/2" | 12.70 | B10    | 82   | 10.094 |       |
| F211111   | 1/2"×B12 |      |       | B12    | 86   | 12.065 |       |
| F211112   | 1/2"×B16 |      |       | B16    | 92   | 15.733 |       |
| F211113   | 1/2"×B18 |      |       | B18    | 100  | 17.78  |       |
| F211114   | 1/2"×B22 |      |       | B22    | 109  | 21.793 |       |
| F211115   | 1/2"×J0  |      |       | J0     | 79   | 6.35   |       |
| F211116   | 1/2"×J1  |      |       | J1     | 84   | 9.754  |       |
| F211117   | 1/2"×J2  |      |       | J2     | 90   | 14.199 |       |
| F211118   | 1/2"×J33 |      |       | J33    | 93   | 15.85  |       |
| F211119   | 1/2"×J6  |      |       | J6     | 93   | 17.17  |       |
| F211120   | 1/2"×J3  | J3   | 98    | 20.599 |      |        |       |
| F211121   | 1/2"×J4  | J4   | 110   | 28.55  |      |        |       |
| F211210   | 5/8"×B10 | 5/8" | 15.87 | B10    | 82   | 10.094 |       |
| F211211   | 5/8"×B12 |      |       | B12    | 86   | 12.065 |       |
| F211212   | 5/8"×B16 |      |       | B16    | 92   | 15.733 |       |
| F211213   | 5/8"×B18 |      |       | B18    | 100  | 17.78  |       |
| F211214   | 5/8"×B22 |      |       | B22    | 109  | 21.793 |       |
| F211215   | 5/8"×B24 |      |       | B24    | 119  | 23.825 |       |
| F211216   | 5/8"×J1  |      |       | J1     | 84   | 9.754  |       |
| F211217   | 5/8"×J2  |      |       | J2     | 90   | 14.199 |       |
| F211218   | 5/8"×J33 |      |       | J33    | 93   | 15.85  |       |
| F211219   | 5/8"×J6  |      |       | J6     | 93   | 17.17  |       |
| F211220   | 5/8"×J3  |      |       | J33    | 98   | 20.599 |       |
| F211221   | 5/8"×J4  |      |       | J4     | 110  | 28.55  |       |



直柄/R8钻接杆

▼F211310-F211519 订单号 Order NO.

STRAIGHT /R8 SHANK DRILL CHUCK ARBORS



| Order NO. | Type     | D in | D mm  | NO.S  | L mm | d mm   | Price |
|-----------|----------|------|-------|-------|------|--------|-------|
| F211310   | 3/4"×B12 | 3/4" | 19.05 | B12   | 100  | 12.065 |       |
| F211311   | 3/4"×B16 |      |       | B16   | 106  | 15.733 |       |
| F211312   | 3/4"×B18 |      |       | B18   | 114  | 17.78  |       |
| F211313   | 3/4"×B22 |      |       | B22   | 123  | 21.793 |       |
| F211314   | 3/4"×B24 |      |       | B24   | 133  | 23.825 |       |
| F211315   | 3/4"×J1  |      |       | J1    | 97   | 9.754  |       |
| F211316   | 3/4"×J2  |      |       | J2    | 104  | 14.199 |       |
| F211317   | 3/4"×J33 |      |       | J33   | 107  | 15.85  |       |
| F211318   | 3/4"×J6  |      |       | J6    | 107  | 17.17  |       |
| F211319   | 3/4"×J3  |      |       | J3    | 112  | 20.599 |       |
| F211320   | 3/4"×J4  | J4   | 124   | 28.55 |      |        |       |
| F211410   | 1"×B12   | 1"   | 25.4  | B12   | 100  | 12.065 |       |
| F211411   | 1"×B16   |      |       | B16   | 106  | 15.733 |       |
| F211412   | 1"×B18   |      |       | B18   | 114  | 17.78  |       |
| F211413   | 1"×B22   |      |       | B22   | 123  | 21.793 |       |
| F211414   | 1"×B24   |      |       | B24   | 133  | 23.825 |       |
| F211415   | 1"×J2    |      |       | J2    | 104  | 14.199 |       |
| F211416   | 1"×J33   |      |       | J33   | 107  | 15.85  |       |
| F211417   | 1"×J6    |      |       | J6    | 107  | 17.17  |       |
| F211418   | 1"×J3    |      |       | J3    | 112  | 20.599 |       |
| F211419   | 1"×J4    |      |       | J4    | 124  | 28.55  |       |
| F211510   | R8×B10   | R8   | 24.10 | B10   | 124  | 10.094 |       |
| F211511   | R8×B12   |      |       | B12   | 128  | 12.065 |       |
| F211512   | R8×B16   |      |       | B16   | 135  | 15.733 |       |
| F211513   | R8×B18   |      |       | B18   | 143  | 17.78  |       |
| F211514   | R8×B22   |      |       | B22   | 152  | 21.793 |       |
| F211515   | R8×J1    |      |       | J1    | 122  | 9.754  |       |
| F211516   | R8×J2    |      |       | J2    | 128  | 14.199 |       |
| F211517   | R8×J33   |      |       | J33   | 132  | 15.85  |       |
| F211518   | R8×J6    |      |       | J6    | 132  | 17.17  |       |
| F211519   | R8×J3    |      |       | J3    | 137  | 20.599 |       |

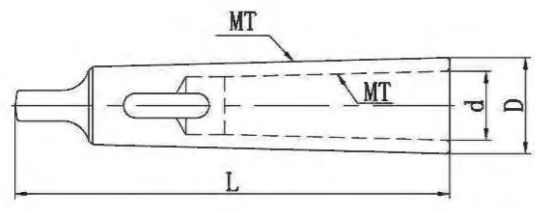




莫氏锥度变径套

▼F221010-F221514 订单号Order NO.

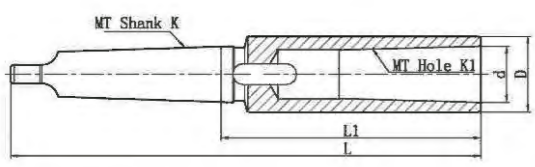
MORSE TAPER REDUCING SLEEVES



| Order NO. | Type   | MT Shank | MT Hole | D (mm) | d (mm) | L (mm) | N.W. (g) | Price |
|-----------|--------|----------|---------|--------|--------|--------|----------|-------|
| F221010   | S/T1-0 | 1        | 0       | 13     | 9.045  | 80     | 100      |       |
| F221110   | S/T2-1 | 2        | 1       | 18.6   | 12.065 | 92     | 100      |       |
| F221210   | S/T3-1 | 3        | 1       | 24.1   | 12.065 | 99     | 240      |       |
| F221211   | S/T3-2 |          | 2       | 24.7   | 17.78  | 112    | 120      |       |
| F221310   | S/T4-1 | 4        | 1       | 31.6   | 12.065 | 124    | 600      |       |
| F221311   | S/T4-2 |          | 2       | 31.6   | 17.78  | 124    | 500      |       |
| F221312   | S/T4-3 |          | 3       | 32.4   | 23.825 | 140    | 380      |       |
| F221410   | S/T5-1 | 5        | 1       | 44.7   | 12.065 | 156    | 1590     |       |
| F221411   | S/T5-2 |          | 2       | 44.7   | 17.78  | 156    | 1490     |       |
| F221412   | S/T5-3 |          | 3       | 44.7   | 23.825 | 156    | 1360     |       |
| F221413   | S/T5-4 | 6        | 4       | 45.5   | 31.267 | 171    | 950      |       |
| F221510   | S/T6-1 |          | 1       | 63.8   | 12.065 | 218    | 3840     |       |
| F221511   | S/T6-2 |          | 2       | 63.8   | 17.78  | 218    | 3730     |       |
| F221512   | S/T6-3 | 6        | 3       | 63.8   | 23.825 | 218    | 3850     |       |
| F221513   | S/T6-4 |          | 4       | 63.8   | 31.267 | 218    | 3120     |       |
| F221514   | S/T6-5 |          | 5       | 63.8   | 44.399 | 218    | 1950     |       |

▼F231010-F231513 订单号Order NO.

加长变径套  
LENGTHENED REDUCING SLEEVES



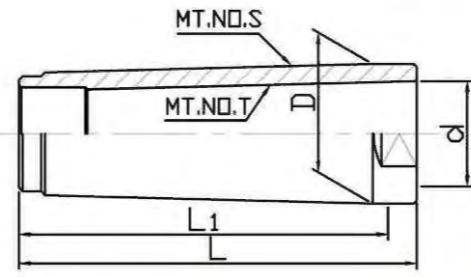
| Order NO. | Type    | MT Shank K | MT Hole K1 | D (mm) | d (mm) | L (mm) | N.W. (g) | Price |
|-----------|---------|------------|------------|--------|--------|--------|----------|-------|
| F231010   | S/T1-1L | 1          | 1          | 20     | 12.065 | 145    | 190      |       |
| F231011   | S/T1-2L |            | 2          | 30     | 17.78  | 160    | 400      |       |
| F231012   | S/T1-3L |            | 3          | 36     | 23.825 | 181    | 400      |       |
| F231110   | S/T2-1L | 2          | 1          | 20     | 12.065 | 160    | 290      |       |
| F231111   | S/T2-2L |            | 2          | 30     | 17.78  | 175    | 500      |       |
| F231112   | S/T2-3L |            | 3          | 36     | 23.825 | 196    | 600      |       |
| F231113   | S/T2-4L | 3          | 4          | 48     | 31.267 | 221    | 1430     |       |
| F231210   | S/T3-1L |            | 1          | 20     | 12.065 | 175    | 410      |       |
| F231211   | S/T3-2L |            | 2          | 30     | 17.78  | 194    | 620      |       |
| F231212   | S/T3-3L | 3          | 3          | 36     | 23.825 | 215    | 890      |       |
| F231213   | S/T3-4L |            | 4          | 48     | 31.267 | 240    | 1550     |       |
| F231214   | S/T3-5L |            | 5          | 63     | 44.399 | 275    | 2800     |       |
| F231310   | S/T4-1L | 4          | 1          | 20     | 12.065 | 200    | 810      |       |
| F231311   | S/T4-2L |            | 2          | 30     | 17.78  | 215    | 1000     |       |
| F231312   | S/T4-3L |            | 3          | 36     | 23.825 | 240    | 1270     |       |
| F231313   | S/T4-4L | 4          | 4          | 48     | 31.267 | 285    | 1930     |       |
| F231314   | S/T4-5L |            | 5          | 63     | 44.399 | 300    | 3180     |       |
| F231315   | S/T4-6L |            | 6          | 85     | 63.348 | 368    | 6500     |       |
| F231410   | S/T5-2L | 5          | 2          | 30     | 17.78  | 247    | 2000     |       |
| F231411   | S/T5-3L |            | 3          | 36     | 23.825 | 268    | 2270     |       |
| F231412   | S/T5-4L |            | 4          | 48     | 31.267 | 300    | 2930     |       |
| F231413   | S/T5-5L | 5          | 5          | 63     | 44.399 | 335    | 4180     |       |
| F231414   | S/T5-6L |            | 6          | 85     | 63.348 | 403    | 6700     |       |
| F231510   | S/T6-2L |            | 6          | 2      | 30     | 17.78  | 309      | 4250  |
| F231511   | S/T6-3L | 3          |            | 36     | 23.825 | 330    | 4520     |       |
| F231512   | S/T6-4L | 4          |            | 48     | 31.267 | 355    | 5180     |       |
| F231513   | S/T6-5L | 6          | 5          | 63     | 44.399 | 390    | 6430     |       |



莫氏中间套

▼F241010-F241412 订单号Order NO.

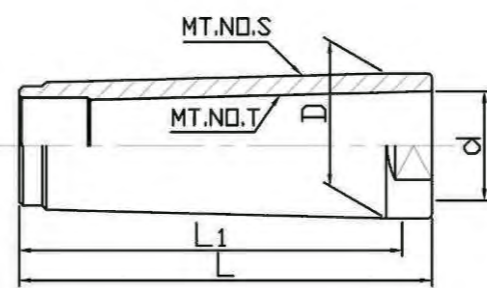
MORSE MIDDLE SLEEVES



| Order NO. | Type | MS. NO.S | MS. NO.T | D(mm) | d (mm) | L (mm) | 精度 Accuracy (mm) | N.W. (kg) | Price |
|-----------|------|----------|----------|-------|--------|--------|------------------|-----------|-------|
| F241010   | 2/1  | 2        | 1        | 18    | 12.065 | 74     | 0.015            | 0.10      |       |
| F241110   | 3/1  | 3        | 1        | 24.1  | 12.065 | 80     |                  | 0.24      |       |
| F241111   | 3/2  |          | 2        | 24.1  | 17.780 | 80     |                  | 0.12      |       |
| F241210   | 4/1  | 4        | 1        | 31.6  | 12.065 | 90     | 0.02             | 0.63      |       |
| F241211   | 4/2  |          | 2        | 31.6  | 17.180 | 90     |                  | 0.50      |       |
| F241212   | 4/3  |          | 3        | 31.6  | 23.825 | 90     |                  | 0.38      |       |
| F241310   | 5/2  | 5        | 2        | 44.7  | 17.780 | 110    |                  | 1.49      |       |
| F241311   | 5/3  |          | 3        | 44.7  | 23.825 | 110    |                  | 1.36      |       |
| F241312   | 5/4  |          | 4        | 44.7  | 31.267 | 110    |                  | 0.95      |       |
| F241410   | 6/3  | 6        | 3        | 63.8  | 23.825 | 130    | 0.025            | 3.58      |       |
| F241411   | 6/4  |          | 4        | 63.8  | 31.267 | 130    |                  | 3.12      |       |
| F241412   | 6/5  |          | 5        | 63.8  | 44.399 | 130    |                  | 1.95      |       |

▼F251010-F252011 订单号Order NO.

顶尖套  
MORSE CENTER SLEEVES



| Order NO. | Type | MS(ME). NO.S | MS.NO.T | L(mm)  | L1(mm) | D(mm)  | d(mm)  | Price |
|-----------|------|--------------|---------|--------|--------|--------|--------|-------|
| F251010   | 2/1  | MS2          | 1       | 60     | 56     | 17.780 | 12.065 |       |
| F251110   | 3/1  | MS3          | 1       | 70     | 66     | 23.825 | 12.065 |       |
| F251111   | 3/2  |              | 2       |        |        |        | 17.780 |       |
| F251210   | 4/2  | MS4          | 2       | 70     | 63.5   | 31.267 | 17.780 |       |
| F251211   | 4/3  |              | 3       |        |        |        | 23.825 |       |
| F251310   | 5/2  | MS5          | 2       | 77     | 70.5   | 44.399 | 17.780 |       |
| F251311   | 5/3  |              | 3       |        |        |        | 23.825 |       |
| F251312   | 5/4  |              | 4       |        |        |        | 31.267 |       |
| F251410   | 6/3  | MS6          | 3       | 110    | 103.5  | 63.348 | 23.825 |       |
| F251411   | 6/4  |              | 4       |        |        |        | 31.267 |       |
| F251412   | 6/5  |              | 5       |        |        |        | 44.399 |       |
| F251510   | 40/3 | ME40         | 3       | 70     | 40     | 23.825 | 23.825 |       |
| F251511   | 40/4 |              | 4       |        |        |        | 31.267 |       |
| F251610   | 50/3 | ME50         | 3       | 86     | 50     | 44.399 | 23.825 |       |
| F251611   | 50/4 |              | 4       |        |        |        | 31.267 |       |
| F251612   | 50/5 |              | 5       |        |        |        | 44.399 |       |
| F251710   | 60/4 | ME60         | 4       | 100    | 60     | 44.399 | 31.267 |       |
| F251711   | 60/5 |              | 5       |        |        |        | 44.399 |       |
| F251810   | 70/4 | ME70         | 4       | 110    | 70     | 44.399 | 31.267 |       |
| F251811   | 70/5 |              | 5       |        |        |        | 44.399 |       |
| F251910   | 80/4 |              | ME80    |        |        |        | 4      | 110   |
| F251911   | 80/5 | 5            |         | 44.399 |        |        |        |       |
| F251912   | 80/6 | 6            |         | 66.348 |        |        |        |       |
| F252010   | 90/5 | ME90         | 5       | 120    | 90     | 44.399 | 44.399 |       |
| F252011   | 90/6 |              | 6       |        |        |        | 66.348 |       |