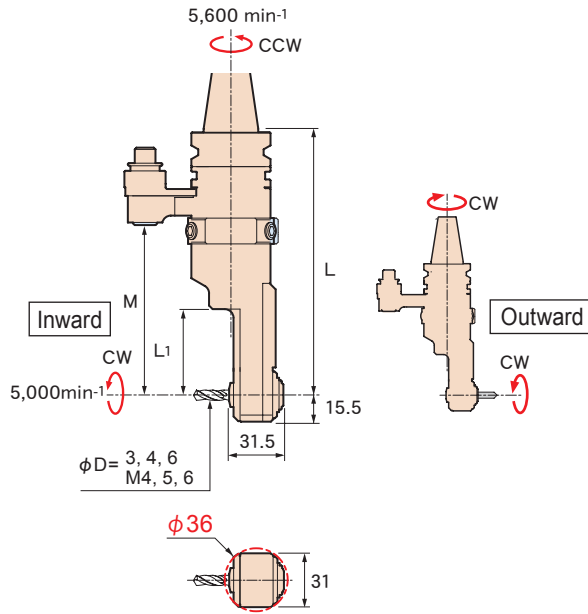


HALF mini type

M/C Tool

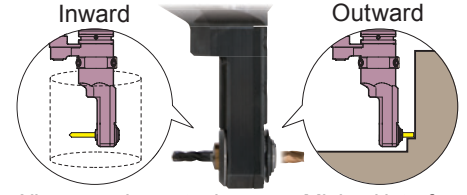


BT40-HFCS6-205



Cutter mounts in two directions

A cutting tool can be mounted both ways, inward or outward, by reassembling the angle shaft.



Allows maximum tool holder diameter limitation even when using a long cutting tool.

Minimal interference with face of workpiece.

Collet exchange system

Shaft exchange system for Shrink-fit collet for carbide cutter (end-mill, drill) or Tap collet for Tap.



HSK-T Tooling Systems for Turning Mill

General Purpose Tool

JIG

Measuring Equipment

CODE	φD	L	L ₁	M	Kg lbs
BT30 -HFCS6-155	Drill Endmill φ 3, 4, 6	155	50	100	1.8
BT40 -HFCS6-160		160	50	110	2.8
-205		205	95	155	3.0
BT50 -HFCS6-175	Tap M4, 5, 6	175	50	110	5.6
-220		220	95	155	5.8
DN40A-HFCS6-175	Drill Endmill φ 3, 4, 6	175	50	110	3.0
-220		220	95	155	3.2
DN50A-HFCS6-175	Tap M4, 5, 6	175	50	110	5.1
-220		220	95	155	5.3
CT40 -HFCS6-175	Drill Endmill φ 3, 4, 6	6.89"	1.97"	4.33"	6.61
-220		8.66"	3.74"	6.10"	7.28
CT50 -HFCS6-175	Tap M4, 5, 6	6.89"	1.97"	4.33"	11.24
-220		8.66"	3.74"	6.10"	11.68

Option

- Shrink-fit collet ● Tap collet
- Retention knob → P.67 ● Tools for assembly

Std. Access.

- Fixing spanner ● Hexagonal wrench set

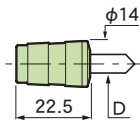
Note

- When shipping, the head direction is inward. The tool for assembly (pliers for retaining ring) is required to reassemble the collet to allow for outward positioning of the cutting tool.
- Other shanks such as HSK are also available upon request.

Caution

- The angle axis rotating direction is different due to its mounting direction, inward and outward.

Shrink-Fit Collet

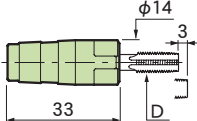


Caution

- The dedicated shrink-fit collet for the Angle Head Half, Mini.
- A shrink-fit heating device is required to insert and remove cutting tools.

CODE	φD	Holding length
FCS6-3	3	11~13
-4	4	
-6	6	12~13

Tap collet



Note

- Tap collets meet JIS standards. We can produce ANSI standard tap collet. For more information, please contact us.

CODE	φD	Holding length
FCS6-M4	M4	16
-M5	M5	
-M6	M6	

■ A product code example when ordering.

BT30-HFCS6-155 - S 65

Positioning pin type

- S : Straight pin
- W : Expansion pin
- T : Taper pin

Dimension S

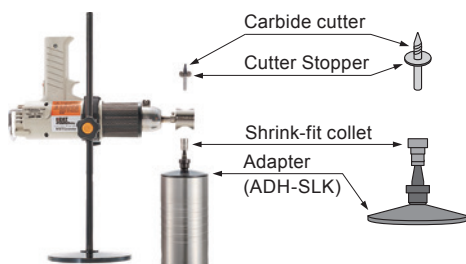
- 50, 60, 65, 80, 85, 110 ...

Maintenance Tool

Wire EDM fixture JIG Tool

Technical Information

Procedure of cutter insertion to shrink-fit collet



Shrink-fit Heater (HRB-01)

1. Attach the shrink-fit collet to the adapter (ADH-SLK).
2. Heat the shrink-fit collet with the shrink-fit heater.
3. Attach a stopper to the carbide cutter. After finishing heating, insert the cutter to the shrink-fit collet.
4. Cool the shrink-fit collet with the shrink-fit heater.