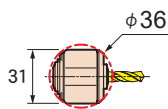
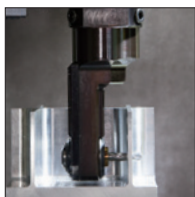
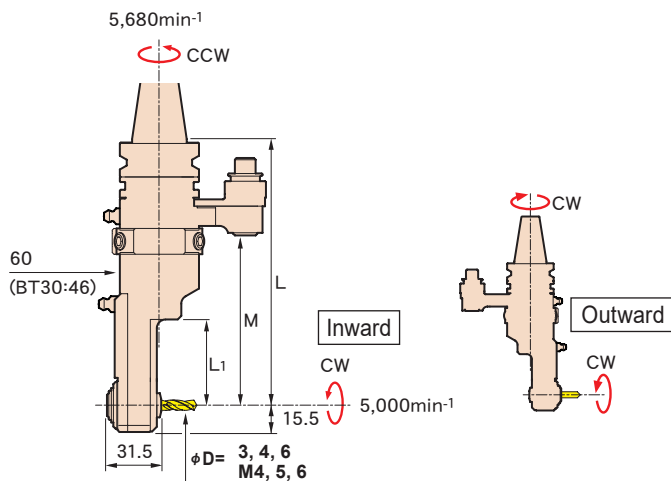


HALF mini type

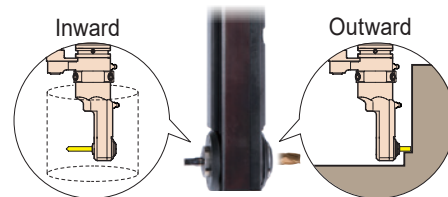


BT40-HFCS6-160



Cutter mounts in two directions

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

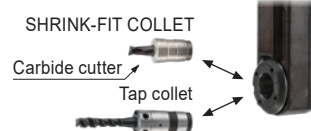


Allows maximum tool holder diameter limitation even when using a long cutting tool.

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.



Option

- Shrink-fit collet
- Tap collet
- Retention knob → P.64
- Tools for assembly

Std. Access.

- Fixing spanner
- Hexagonal wrench set
- Low head bolt

Note

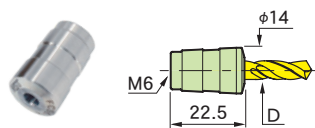
- When shipping, the head direction is inward. The tool for assembly (pliers for retaining ring) is required to reassemble the collet to allow for outward positioning of the cutting tool.
- Other shanks such as HSK are also available upon request.

Caution

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

CODE (Master holder)	φD	L	L ₁	M	KG (lbs)
BT30 -HFCS6-155	Drill·Endmill φ3, 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 φ3, 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 φ3, 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

Shrink-Fit Collet

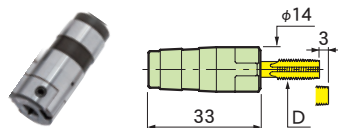


CODE	φD	Holding length
FCS6- 3	3	11~13
- 4	4	
- 6	6	12~13

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.

Tap collet



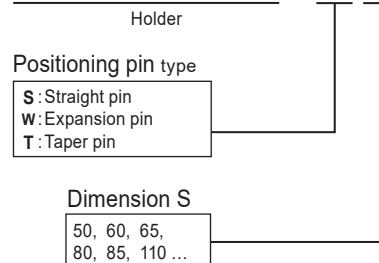
CODE	φD	Holding length
FCS6-M4	M4	16
-M5	M5	
-M6	M6	

Note

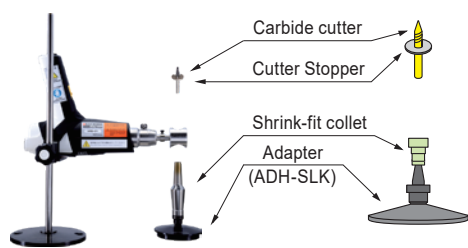
- Tap collets meet JIS standards. We can produce ANSI standard tap collet. For more information, please contact us.

■ A product code example when ordering.

BT30-HFCS6-155 - S 65



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.

CODE	Power
HRB-01	100V

Cutting data
→ P.13

Parts list
→ P.105