

BT-SK CHUCK

High precision: Shank run-out accuracy: $\leq 2\mu\text{m}$.

Combined run-out accuracy: $\leq 5\mu\text{m}$.

Dynamic balancing grade: $\leq G1$.

Advanced process of surface wearing resistance and corrosion resistance.

With a simple structure, the cutter can be loaded and unloaded quickly.

It is suitable for a machining center with a relatively high speed.

The taper angle of SK chuck for BT shank is 4° .

Advantages of BT shank with SK chuck: High repeatability precision ($\leq 5\mu\text{m}$), long service life, 1.5 times greater than the torque value of any other type of chuck, clamping range of $\Phi 1.0 - 25.0\text{mm}$, H7-precision cutter. It is widely used for milling, drilling, tapping, engraving and other machining areas.

Perfect internal cooling function can be realized with the assistance of rivet with center water-out.

APPLICATION TYPE



Drilling



Reaming

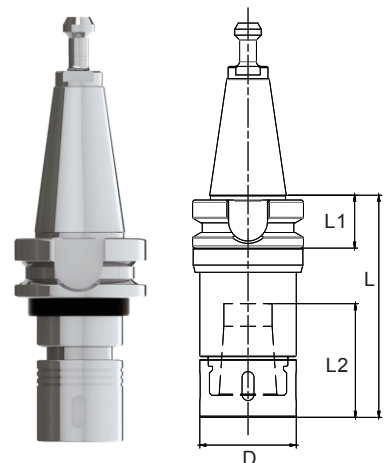


Tapping



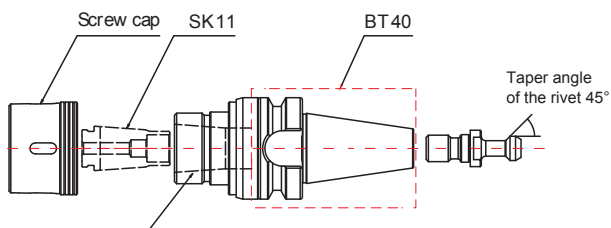
Milling and cutting

BT CHUCK FEATURES



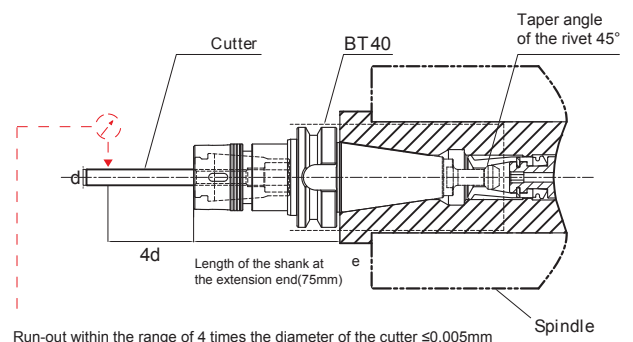
BT40-45-SK11-075

Schematic Diagram for Naming



Run-out Accuracy of Taper Hole of the holder: $\leq 0.002\text{mm}$

Schematic Diagram for Cutter Installation Precision



Run-out within the range of 4 times the diameter of the cutter $\leq 0.005\text{mm}$

NAMING RULE:

BT40-45-SK11-075

BT chuck code

CHUCK TYPE

30 | 40 | 50

TAPER ANGLE

OF THE CHUCK RIVET

60: 60° taper angle

45: 45° taper angle

LENGTH OF THE HOLDER
AT THE EXTENSION END /mm
(three-digit number)

APPLICATION TYPE

ER11: ER11 chuck

SK6: SK6 chuck

KR11: KR11 chuck

BT-SK CHUCK

TECHNICAL PARAMETERS

Chuck Type	Order type	Dimensions				Screw cap	Applicable speed	Collet type	Grade A/ordinary grade, Grade AA/precision grade		Grade P/ultra precision grade, Grade PP/instrument grade	
		L	L1	D1	Clamping depth L2				Range of cutter diameter	Requirements for precision of cutter shank diameter	Tool internal diameter range	Requirement for precision of cutter diameter
BT30	DBT30- DSK6- 070	70										
	DBT30- DSK6- 080	80		19.5	21- 35	DSK6B		SK6	2.0- 6.0		1.0- 6.0	
	DBT30- DSK6- 090	90										
	DBT30- DSK10- 070	70										
	DBT30- DSK10- 080	80		27.5	30- 50	DSK10B		SK10	2.0- 10.0		1.0- 10.0	
	DBT30- DSK10- 090	90										
	DBT30- DSK13- 070	70										
	DBT30- DSK13- 080	80	22	34	41.5	DSK13B	30000RPM	SK13	3.0- 13.0	H7	3.0- 13.0	H7
	DBT30- DSK13- 090	90										
	DBT30- DSK16- 070	70										
	DBT30- DSK16- 080	80		40	40- 55	DSK16B		SK16	3.0- 16.0		3.0- 16.0	
	DBT30- DSK16- 090	90										
	DBT30- DSK25- 070	70										
	DBT30- DSK25- 080	80		55	50- 80	DSK25B		SK25	6.0- 25.0		6.0- 25.0	
DBT30- DSK25- 090	90											
BT40	DBT40- DSK10- 070	70					18000RPM					
	DBT40- DSK10- 090	90		30	30- 50	DSK10B	18000RPM	SK10	2.0- 10.0		1.0- 10.0	
	DBT40- DSK10- 150	150					15000RPM					
	DBT40- DSK16- 070	70					18000RPM					
	DBT40- DSK16- 090	90	22	42	40- 55	DSK16B	18000RPM	SK16	3.0- 16.0	H7	3.0- 16.0	H7
	DBT40- DSK16- 150	150					15000RPM					
	DBT40- DSK25- 070	70					18000RPM					
	DBT40- DSK25- 090	90		50	50- 80	DSK25B	18000RPM	SK25	6.0- 25.0		6.0- 25.0	
	DBT40- DSK25- 150	150					15000RPM					
BT50	DBT50- DSK16- 070	70										
	DBT50- DSK16- 090	90										
	DBT50- DSK16- 100	100		42	40- 70	DSK16B		SK16	3.0- 16.0		3.0- 16.0	
	DBT50- DSK16- 150	150										
	DBT50- DSK16- 200	200										
	DBT50- DSK20- 070	70										
	DBT50- DSK20- 090	90										
	DBT50- DSK20- 100	100	38	46.2	45- 70	DSK20B	15000RPM	SK20	4.0- 20.0	H7	34.0- 20.0	H7
	DBT50- DSK20- 150	150										
	DBT50- DSK20- 200	200										
	DBT50- DSK25- 070	70										
	DBT50- DSK25- 090	90										
	DBT50- DSK25- 100	100		50	50- 80	DSK25B		SK25	6.0- 25.0		6.0- 25.0	
	DBT50- DSK25- 150	150										
DBT50- DSK25- 200	200											