

BT-KR 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.

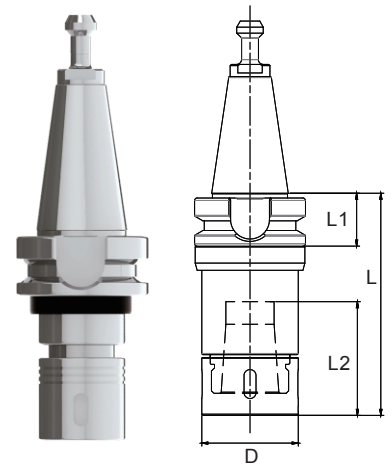
It is suitable for a machining center with a relatively high speed.

The taper angle of KR chuck for BT shank is 5° .

Advantages of BT shank with KR chuck: High repeatability precision ($\leq 5\mu\text{m}$), long service life, clamping range of $\Phi 1.0\text{-}24.0\text{mm}$, 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.

BT CHUCK FEATURES



APPLICATION TYPE



Drilling



Reaming



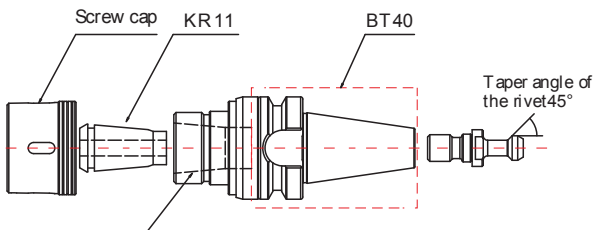
Tapping



Milling and cutting

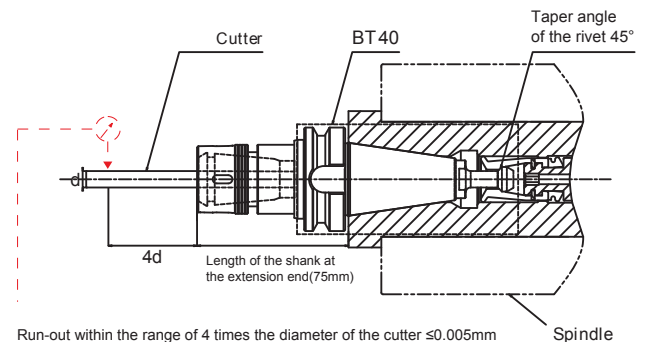
BT40-45-KR11-075

Schematic Diagram for Naming



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

Schematic Diagram for Cutter Installation Precision



NAMING RULE:

BT40-45-KR11-075

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-KR 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- DKR11- 070	70	22	19.5	21- 35	DKR11B	30000RPM	KR11	2.0- 6.0	H7	1.0- 6.0	H7
	DBT30- DKR11- 090	90										
	DBT30- DKR16- 070	70		34	30- 50	DKR16B		KR16	2.0- 8.5		1.0- 8.5	
	DBT30- DKR16- 090	90										
	DBT30- DKR25- 070	70		40	40- 55	DKR25B		KR25	3.0- 16.0		3.0- 16.0	
	DBT30- DKR25- 090	90										
	DBT30- DKR36- 070	70		55	50- 80	DKR36B		KR36	6.0- 24.0		6.0- 24.0	
	DBT30- DKR36- 090	90										
BT40	DBT40- DKR16- 070	70	27	30	30- 50	DKR16B	15000RPM	KR16	2.0- 8.5	H7	1.0- 8.5	H7
	DBT40- DKR16- 090	90										
	DBT40- DKR16- 150	150										
	DBT40- DKR25- 070	70		42	40- 55	DKR25B		KR25	3.0- 14.5		3.0- 14.5	
	DBT40- DKR25- 090	90										
	DBT40- DKR25- 150	150										
	DBT40- DKR36- 070	70		50	50- 80	DKR36B		KR36	6.0- 24.0		6.0- 24.0	
	DBT40- DKR36- 090	90										
	DBT40- DKR36- 150	150										
BT50	DBT50- DKR25- 070	70	38	42	40- 70	DKR25B	15000RPM	KR25	3.0- 14.5	H7	3.0- 14.5	H7
	DBT50- DKR25- 090	90										
	DBT50- DKR25- 100	100										
	DBT50- DKR25- 150	150										
	DBT50- DKR25- 200	200										
	DBT50- DKR36- 070	70		50	50- 80	DKR36B		KR36	6.0- 24.0		6.0- 24.0	
	DBT50- DKR36- 090	90										
	DBT50- DKR36- 100	100										
	DBT50- DKR36- 150	150										
	DBT50- DKR36- 200	200										