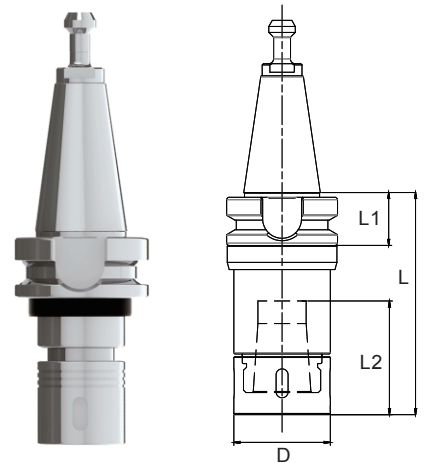


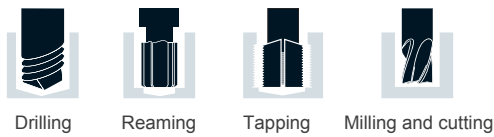
# BT-ER CHUCK

High precision: run-out accuracy:  $\leq 2\mu\text{m}$ .  
 Combined run-out accuracy:  $\leq 5\mu\text{m}$ .  
 Dynamic balancing grade:  $\leq G1$ .  
 Advanced surface wear and corrosion resistance.  
 With a simple structure, the cutter can be loaded and unloaded quickly.  
 The taper angle of the chuck is  $8^\circ$ .  
 Advantages of BBT chuck with ER collet: High repeatability precision ( $\leq 5\mu\text{m}$ ), long service life, clamping range of  $\Phi$  1.0-30.0mm, H7-precision with interior coolant supply through centre.

## BT CHUCK FEATURES

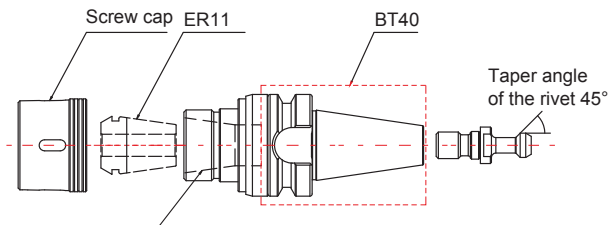


## APPLICATION TYPE



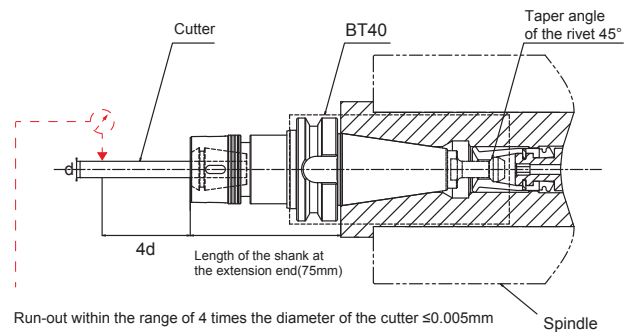
## BT40-45-ER11-075

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-ER11-075

BT chuck code

CHUCK TYPE

30 | 40 | 50

TAPER ANGLE OF THE CHUCK RIVET

60:  $60^\circ$  taper angle  
 45:  $45^\circ$  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-ER 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	BT30-ER8- 135	135	22	12	15.5	ER8B	30000RPM	ER8	2.0- 5.0	H7	1.0- 5.0	
	BT30-ER11- 070	70						ER11B	ER11		2.0- 7.0	1.0- 7.0
	BT30-ER11- 080	80		23	19- 48	ER11B		ER11	2.0- 7.0		1.0- 7.0	
	BT30-ER11- 090	90										
	BT30-ER16- 070	70										
	BT30-ER16- 080	80		30	29- 58	ER16B		ER16	2.0- 10.0		1.0- 10.0	
	BT30-ER16- 090	90										
	BT30-ER20- 070	70										
	BT30-ER20- 080	80		34	32- 68	ER20B		ER20	2.0- 13.0		2.0- 13.0	H7
	BT30-ER20- 090	90										
	BT30-ER25- 070	70										
	BT30-ER25- 080	80		42	35- 73	ER25B		ER25	2.0- 16.0		2.0- 16.0	
	BT30-ER25- 090	90										
	BT30-ER32- 070	70										
	BT30-ER32- 080	80		51	35- 73	ER32B		ER32	2.0- 20.0		2.0- 20.0	
BT30-ER32- 090	90											
BT40	BT40-ER16- 070	70	27	28	29- 58	ER16B	18000RPM	ER16	2.0- 10.0	H7	1.0- 10.0	
	BT40-ER16- 090	90					18000RPM					
	BT40-ER16- 150	150					15000RPM					
	BT40-ER20- 070	72		34	32- 68	ER20B	18000RPM	ER20	2.0- 13.0	2.0- 13.0		
	BT40-ER20- 090	90					18000RPM					
	BT40-ER20- 150	150					15000RPM					
	BT40-ER25- 070	70		42	35- 73	ER25B	18000RPM	ER25	2.0- 16.0	2.0- 16.0	H7	
	BT40-ER25- 090	90					18000RPM					
	BT40-ER25- 150	150					15000RPM					
	BT40-ER32- 070	70		51	41- 59	ER32B	18000RPM	ER32	2.0- 20.0	2.0- 20.0		
	BT40-ER32- 090	90					18000RPM					
	BT40-ER32- 150	150					15000RPM					
	BT40-ER40- 070	70		63	50- 93	ER40B	18000RPM	ER40	3.0- 30.0	3.0- 26		
	BT40-ER40- 090	90					18000RPM					
	BT40-ER40- 150	150					15000RPM					
BT50	BT50-ER32- 070	70	38	51	41- 59	ER32B	15000RPM	ER32	2.0- 20.2	H7	2.0- 20.2	
	BT50-ER32- 090	90										
	BT50-ER32- 100	100										
	BT50-ER32- 150	150										
	BT50-ER40- 070	70		63	50- 93	ER40B	15000RPM	ER40	3.0- 30.0	3.0- 30.0		
	BT50-ER40- 090	90										
	BT50-ER40- 100	100										
	BT50-ER40- 150	150										
BT50-ER40- 200	200											