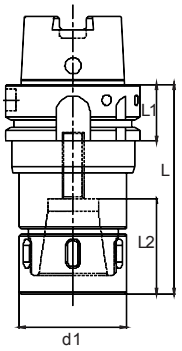
HSKA-ER CHUCK

HSKA CHUCK FEATURES

Dynamic balancing grade: ≤G1.
High precision: Shank run-out accuracy: ≤2μm. Combined run-out accuracy: ≤5μm.
High axial and radial repeatability positioning precision.
Repeatability positioning precision is ≤2μm.
Featuring high dynamic and static rigidity and stability, and high axial and radial accuracy, it ensures the accuracy of a product machined at high speed.
HSK shank is designed with a structure of hollow short taper shank. Compared with BT shank, HSK shank has a short length and light weight. With the power to change the cutter more quickly, it is especially suitable for high-speed machining.
The taper angle of ER chuck for HSKA shank is 8°.
Advantages of HSKA shank with ER chuck: High precision, long service life, clamping range of Φ1.0- 30.0mm, 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 air duct part.

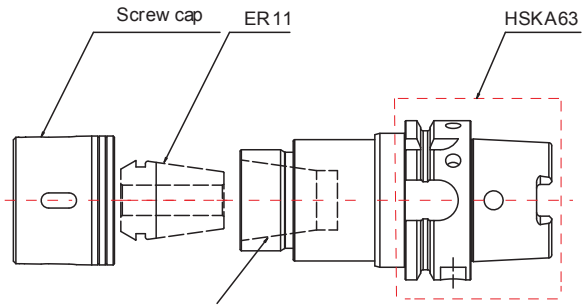


APPLICATION TYPE

Drilling | Reaming | Tapping | Milling and cutting

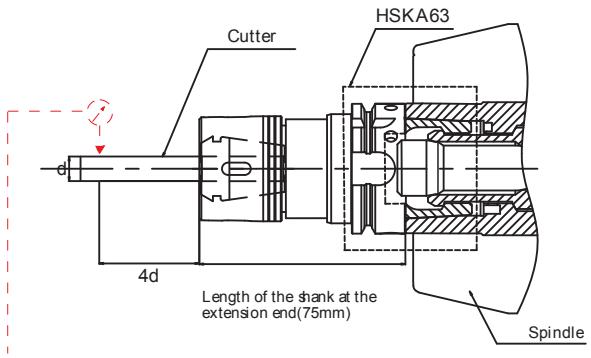
HSKA-63-ER11-075

Schematic Diagram for Naming



Run-out Accuracy of Taper Hole of the Cutter Shank:≤0.002mm

Schematic Diagram for Cutter Installation Precision



Run-out within the range of 4 times the diameter of the cutter ≤0.005mm

NAMING RULE:

HSKA-63-ER11-075

HSK chuck code

CHUCK TYPE
A | E

CHUCK SPECIFICATION
25 | 32 | 40 | 50 | 63 | 80 | 100 | 125 | 160

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

APPLICATION TYPE
ER11: ER11 chuck
SK6: SK6 chuck
KR11: KR11 chuck

HSKA-ER CHUCK

TECHNICAL PARAMETERS

Shank type	Order type	Dimensions				Screw cap	Applicable speed	Chuck type	Grade A/ordinary grade, Grade AA/precision grade		Grade P/ultra precision grade, Grade PP/instrument grade	
		L	L1	L2	D1				Range of cutter diameter	Requirement for the precision of the cutter shank diameter	Range of cutter diameter	Requirement for the precision of the cutter shank diameter
HSK A40	DHSKA40- DER16- 070	70	20	29- 58	28	DER16B	40000RPM	ER16	2.0- 10.0	H7	1.0- 10.0	H7
	DHSKA40- DER16- 090	90										
	DHSKA40- DER20- 070	70		32- 68	34	DER20B		ER20	2.0- 13.0		2.0- 13.0	
	DHSKA40- DER20- 090	90										
	DHSKA40- DER25- 070	70		35- 73	42	DER25B		ER25	2.0- 16.0		2.0- 16.0	
	DHSKA40- DER25- 090	90										
	DHSKA40- DER32- 070	70		41- 59	50	DER32B		ER32	2.0- 20.0		2.0- 20.0	
	DHSKA40- DER32- 090	90										
HSK A50	DHSKA50- DER16- 080	80	26	29- 58	28	DER16B	25000RPM	ER16	2.0- 10.0		1.0- 10.0	
	DHSKA50- DER16- 100	100										
	DHSKA50- DER20- 080	80		32- 68	34	DER20B		ER20	2.0- 13.0		2.0- 13.0	
	DHSKA50- DER20- 100	100										
	DHSKA50- DER25- 080	80		35- 73	42	DER25B		ER25	2.0- 16.0		2.0- 16.0	
	DHSKA50- DER25- 100	100										
	DHSKA50- DER32- 100	100		41- 59	51	DER32B		ER32	2.0- 20.0		2.0- 20.0	
	DHSKA50- DER32- 120	120										
HSK A63	DHSKA63- DER25- 100	100	26	35- 73	42	DER25B	20000RPM	ER25	2.0- 16.0		2.0- 16.0	
	DHSKA63- DER25- 120	120										
	DHSKA63- DER32- 100	100		41- 59	51	DER32B		ER32	2.0- 20.0		2.0- 20.0	
	DHSKA63- DER32- 120	120										
	DHSKA63- DER40- 100	100		50- 93	63	DER40B		ER40	3.0- 30.0		3.0- 30.0	
	DHSKA63- DER40- 120	120										