

HSKE-ER CHUCK

TECHNICAL PARAMETERS

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.

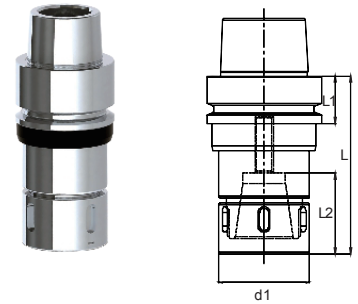
Featuring high dynamic and static rigidity and stability, and high axial and radial accuracy, it ensures the accuracy of a product machined at high speed.

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.

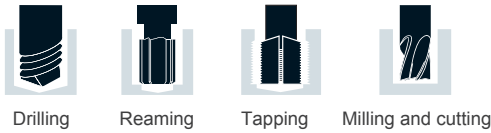
The taper angle of ER chuck for HSKA shank is 4°.

Advantages of HSKE shank with ER chuck: High precision, long service life, clamping range of Ø1.0-20.0mm, H7-precision cutter. It is widely used for milling, drilling, 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

| Shank type | Order type | Dimensions | | | | Chuck | Screw cap | Applicable speed | Grade A/ordinary grade, Grade AA/precision grade | | Grade P/ultra precision grade, Grade PP/instrument grade | |
|------------|---------------------|------------|----|----|-----------------------------|-------|-----------|------------------|--|---|--|--|
| | | L | L1 | D1 | Depth of tool clamping (L2) | | | | Range of cutter diameter | Requirements for precision of cutter shank diameter | Range of cutter diameter | Requirement for precision of cutter diameter |
| HSKE25 | DHSKE25- DER11- 033 | 33 | | 19 | 20 | ER11 | DER11B | 80000RPM | 2.0- 7.0 | | 1.0- 7.0 | |
| | DHSKE25- DER16- 050 | 50 | 10 | 28 | 29- 58 | ER16 | DER16B | | 2.0- 10.0 | | 1.0- 10.0 | |
| | DHSKE25- DER16- 060 | 60 | | | | | | | | | | |
| HSKE32 | DHSKE32- DER16- 060 | 60 | | 28 | 29- 58 | ER16 | DER16B | 20000RPM | 2.0- 10.0 | | 1.0- 10.0 | |
| | DHSKE32- DER16- 070 | 70 | 20 | 34 | 32- 68 | ER20 | DER20B | | 2.0- 13.0 | | 2.0- 13.0 | |
| | DHSKE32- DER20- 060 | 60 | | | | | | | | | | |
| HSKE40 | DHSKE40- DER16- 060 | 60 | | 28 | 29- 58 | ER16 | DER16B | 40000RPM | 2.0- 10.0 | | 1.0- 10.0 | |
| | DHSKE40- DER16- 070 | 70 | 20 | 68 | 32 | ER20 | DER20B | | 2.0- 13.0 | h7 | 2.0- 13.0 | h7 |
| | DHSKE40- DER20- 060 | 60 | | | | | | | | | | |
| | DHSKE40- DER20- 070 | 70 | | | | | | | | | | |
| | DHSKE40- DER20- 100 | 100 | | | | | | | | | | |
| | DHSKE40- DER25- 060 | 60 | | 42 | 35- 73 | ER25 | DER25B | | 2.0- 16.0 | | 2.0- 16.0 | |
| | DHSKE40- DER25- 100 | 100 | | | | | | | | | | |
| HSKE50 | DHSKE50- DER16- 080 | 80 | | 51 | 29- 58 | ER16 | DER16B | 25000RPM | 2.0- 10.0 | | 1.0- 10.0 | |
| | DHSKE50- DER16- 100 | 100 | 20 | 34 | 32- 68 | ER20 | DER20B | | 2.0- 13.0 | | 2.0- 13.0 | |
| | DHSKE50- DER20- 080 | 80 | | | | | | | | | | |
| | DHSKE50- DER20- 100 | 100 | | | | | | | | | | |
| | DHSKE50- DER25- 080 | 80 | | 42 | 35- 73 | ER25 | DER25B | | 2.0- 16.0 | | 2.0- 16.0 | |
| | DHSKE50- DER25- 100 | 100 | | | | | | | | | | |
| | DHSKE50- DER32- 100 | 100 | | 51 | 41- 56 | ER32 | DER32B | | 2.0- 20.0 | | 2.0- 20.0 | |