**HSK-A precision clamping chucks**

**Product information**
- for heavy-duty and high-speed machining
- HSK-A to ISO 12164-1/DIN 69893-1
- balancing quality: G2.5 / 20,000 rev./min or U<1.2gmm
- for tool shank tolerance h6
- highest clamping force and stability thanks to mech. tension gearing
- actuation torque for clamping initiation 12Nm
- suitable for internal cooling up to 80 bar

**Scope of delivery**
- hexagon clamping key Guhring no. 4912 4,600 included
- order clamping sleeves Guhring no. 4302, 4235, 4236, 4237 separately
- order coolant delivery set Guhring no. 4949 separately
- for optimal operation order torque wrench 12 Nm Guhring no. 4915 12,000 and sockets Guhring no. 4916 4,000 separately

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**ISO taper precision clamping chucks**

**Product information**
- for heavy-duty and high-speed machining
- SK taper to DIN ISO 7388-1 form AD
- balancing quality: G2.5 / 20,000 rev./min or U<1.2gmm
- for tool shank tolerance h6
- highest clamping force and stability thanks to mech. tension gearing
- actuation torque for clamping initiation 12Nm
- suitable for internal cooling up to 80 bar central coolant supply form AD

**Scope of delivery**
- hexagon clamping key Guhring no. 4912 4,600 included
- order clamping sleeves Guhring no. 4302, 4235, 4236, 4237 separately
- order pull studs Guhring no. 4925 or 4926 separately
- for optimal operation order torque wrench 12 Nm Guhring no. 4915 12,000 and sockets Guhring no. 4916 4,000 separately
- form AD/B on request

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**HPC chuck bore nominal size must match clamping sleeve nominal size**