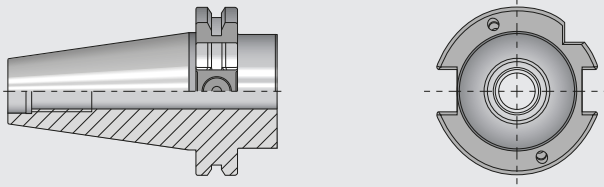


SK - STEEP TAPER TOOL HOLDER

According to ISO 7388-1 (formerly standard DIN 69871) - For automatic and manual tool change



GENERAL INFORMATION:

Traditional interface for milling spindles, which is characterised by its robustness

APPLICATION:

- » Clamping is always provided by an additional tightening bolt.
- » Centring is only carried out via the taper surface without a flat contact.
- » Limited accuracy.
- » Also suitable for heavy duty cutting.

COOLANT SUPPLY:

type A: without through hole

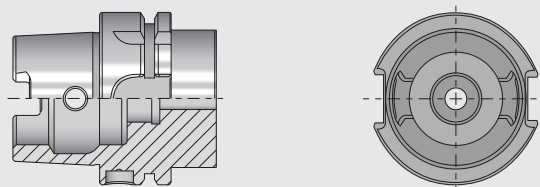
type AD: with through hole, for central coolant supply

type AF (former type specification: type B): with lateral coolant supply via the tool collar

type AD/AF (former type specification: type ADB): with through hole and lateral coolant supply via the tool collar

HSK - HOLLOW SHANK TAPER TOOL HOLDER

According to ISO 12164-1 (DIN 69893-1 type A) - For automatic and manual tool change



GENERAL INFORMATION:

Standard interface for new machining centres

APPLICATION:

For milling machines, machining centres, special machines with automatic tool change.

COOLANT SUPPLY:

The coolant supply is central, axial via the coolant tube

ADVANTAGES OVER STEEP TAPERS:

- » Excellent changeover accuracy due to flat contact on the collar and narrow taper tolerances
- » Positive locking torque transmission through puller grooves
- » Frictional connection torque transmission through taper and contact surface
- » Smaller, lighter and more stable than steep taper
- » Suitable for high speeds