High-Precision Spindle »ace«

Advantages of the ZOLLER high-precision spindle

- Clamp everything. Measure everything. Accelerate everything.
- Fast, µm-precise changeover
- Universal for all tool holders





Babychuck collet adapter D 1.25" (32 mm)



Reversible cutting plate holder D 1.25" (32 mm)

brake



Intermediate sleeves D 1/8" to D 1" and D 3 mm to D 25 mm



Fixator holders with internal and external clamping



holding fixture D 1.25" (32 mm)



Hollow shank taper HSK 25 to HSK 125



Steep taper SK 25 to SK 60



Polygonal shank taper PSC 32 to PSC 100



Hydraulic cylinder shaft D 1.25" (32 mm)

Spindle

indexing





High-precision spindle »ace« - with power clamping and quick-change system

Power-operated tool clamping – consistent, independent of the user

High axial and radial run-out accuracy – better than 2 µm

Pneumatic spindle brake and indexing – for fixing the spindle in the desired position

High changing accuracy of adapter tool posts – better than 1 μm

Quick adapter tool post change – in less than 10 seconds

Integrated calibration spheres on adapter tool posts - for simple, quick and precise determination of the spindle zero point