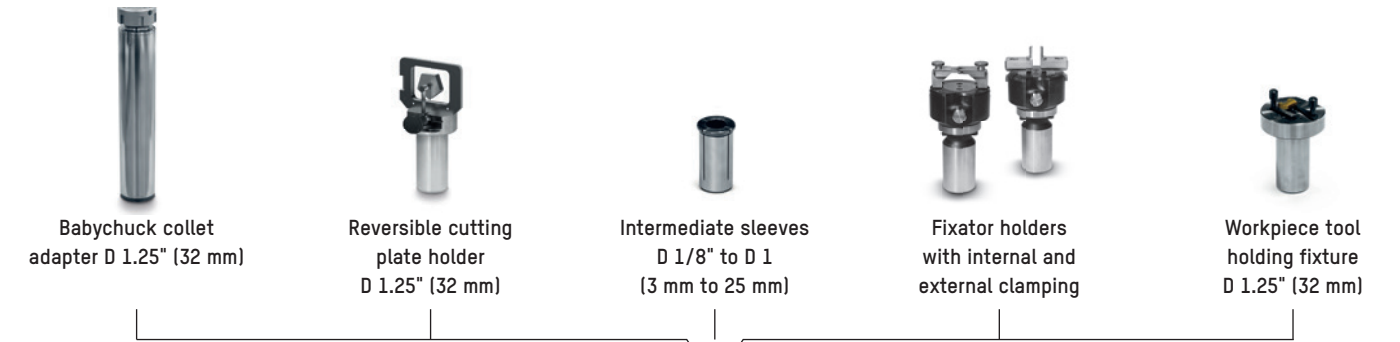


# Spindle Technology for your »smartCheck«

## Advantages of the ZOLLER high-precision spindles

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



Hollow shank taper  
HSK 25 to HSK 125



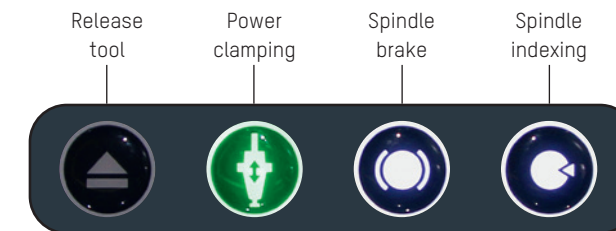
Steep taper  
SK 25 to SK 60



Polygonal shank taper  
PSC 32 to PSC 100



Hydraulic cylinder shaft  
D 1.25" (32 mm)



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

**Power-operated tool clamping** – constant, independent of the user

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

**Ergonomic spindle handwheel** – for safe rotation of the spindle and precise focusing of the tool cutting edge

**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

**Automatic zero point selection** – automatic detection and calibration of the adapter tool post used