

## Air driven HSC Spindle

### Other Products/Services offered

- Spindle Repair / Motor Spindle Repair
- Cooling Additives for spindle cooling circle
- Fine-filtered spindle oil for spindle lubrication
- URBEN Tool Post Grinder for lathe machines
- FLUIDAX Low Pressure Control Units

Online-Webshop  
[www.hasajo.de](http://www.hasajo.de)



Spindle DPZ 45 with  
Speed Regulation DPC70  
or Speed Control DPCS70

#### Headquarter:

#### Deuschle Spindel-Service GmbH

72406 Bisingen-Thanheim  
Telefon + 49 7476 934 660  
Telefax + 49 7476 934 669  
Email: [info@spindelservice.de](mailto:info@spindelservice.de)  
Internet: [www.spindelservice.de](http://www.spindelservice.de)

#### South Korea:

#### Deuschle Korea Ltd.

Email: [Lee@deuschle.co.kr](mailto:Lee@deuschle.co.kr)  
Internet: [www.deuschle.co.kr](http://www.deuschle.co.kr)

#### France:

#### SERMA Industries SAS

Email: [serma@servicebroches.com](mailto:serma@servicebroches.com)  
Internet: [www.servicebroches.com](http://www.servicebroches.com)





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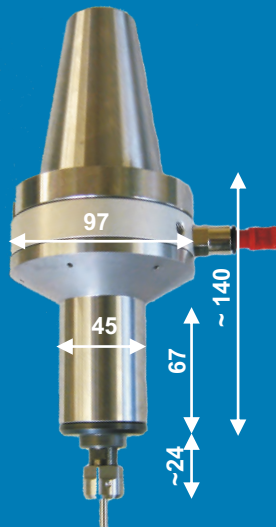


## Advantage overview

HSC spindle for manual  
tool change (collet D12)



Adapter ISO/BT40, ISO/BT50, HSK-50, HSK-63 available.  
Individual adapter upon request (also cylindrical).



- Wide speed range of about 20,000 to 70,000 1/min with nearly constant torque of approximately 0.15 Nm
- Wear-free air drive with load-dependent Speed control accuracy of <5%
- Inlet pressure 6 bar
- Powerful ~ 1.1 kW
- No electricity in the work area
- Operating Voltage of 24V is sufficient
- Low thermal growth guarantees high precision of 2µm runout
- Slim short design
- Rigid 3-way ceramic ball bearings
- Sealing by sealing air and labyrinth
- Precision collet D12

The spindle system is suitable for manual tool change into conventional machine tools and HSC milling machines of all manufacturers.

- Spindle is suitable for milling, grinding and drilling
- Treatment of materials such as steel, aluminum, etc.
- Collet chuck
- Tool clamping diameter of 1mm-7mm, 1/4 "

The electronic control system provides a load-dependent regulation of the air flow at a constant speed. Using a 0-10V input, the speed can be regulated by the CNC control.