



**MAX 45 BS**

**HSK 63**

- The high-precision machining spindles **MAX 45 B** are designed for adaptation to the slide unit type **UA 5** or the 3-axis CNC modul **TRIAx 4**.
- An adapter flange is designed for the installation of multiple-spindle heads and angle heads.
- Variable spindle speeds with interchangeable push-on pulleys: see section 9.
- Toolholder systems for spindle options: see section 7.
- **Options: MAX 45 BS** machining spindle equipped with rear double pneumatic cylinder for quick release and clamp tool changes, spindle center cooling, rotating joint, motor rear-mounted, pressurization.
- **Order reference** machining spindle:  
**MAX 45 B-ISO 40:** spindle nose SK 40  
**MAX 45 B-HSK 63:** spindle nose HSK 63

Technical Data	
Max. drilling capacity	dia. 45 / 600 N/mm <sup>2</sup>
Max. torque transmission	450 Nm
Speed range	370-6690 RPM
Grease lubrication	up to 4000 RPM
Oil mist lubrication	from 4000 RPM
Spindle concentricity	0.01 mm
6 Standard ISO motors, IP 55	1.5-5.5 kW
Standard voltages 50/60 Hz	230-460 V
Standard spindle	ISO 40 and HSK 63
Includes 4-point clamping	HSK 63, forme C
<b>Option:</b> other spindles	ABS 63
Timing belt drive	T 10
Pressurization	see position 7
Color	RAL 6018
Weight	100 kg

Features	
1	Coolant through adapter and drawbar M16
2	Rotating adapter union, optional
3	Standard ISO motor with 28 mm diameter shaft
4	Belt tensioner, interchangeable motor plates
5	Two-piece aluminum cover, rotation 4x90°
6	Standard motor front-mounted
7	Adapter flange for various heads
8	Oil mist lubrication access for ball bearings
9	Standard spindle ISO 40
10	Tool retention with drawbar M16
11	Timing belts and pulleys interchangeable
12	Spindle with 3+2 angular contact bearings
13	Timing belt drive for type MAX 45 BS
14	Pneum. quick tool change over disc springs
15	Standard spindle HSK 63