

TORQUE MOTORS  
IN C- AND A-AXIS



DIRECT MEASURING  
SYSTEMS IN C- AND  
A-AXIS

## MILLING HEAD 8

### C-axis

(Milling head rotary axis)

Pivoting angle: 550° (+/-275°)  
Pivoting torque: 3,000 Nm  
Clamping torque: 6,000 Nm  
Revolution: 360°/sec  
Axis acceleration: 800°/sec<sup>2</sup>  
Position accuracy: 15" (0.0041°)  
Position deviation: 10" (0.0027°)

### A-axis

(Spindle pivoting axis)

Pivoting angle: 220° (+/-110°)  
Pivoting torque: 3,000 Nm  
Clamping torque: 6,000 Nm  
Revolution: 360°/sec  
Axis acceleration: 800°/sec<sup>2</sup>  
Position accuracy: 15" (0.0041°)  
Position deviation: 10" (0.0027°)

### High-frequency milling spindle 1

Tool holding fixture: HSK100 A  
max. power: 50 kW  
max. rpm: 20,000 rpm  
max. torque: 251 Nm

### High-frequency milling spindle 2

Tool holding fixture: HSK100 A  
max. power: 63 kW  
max. rpm: 15,000 rpm  
max. torque: 300 Nm

### High-frequency milling spindle 3

Tool holding fixture: HSK63 A  
max. power: 125 kW  
max. rpm: 30,000 rpm  
max. torque: 60 Nm

### High-frequency milling spindle 4

Tool holding fixture: HSK100 A  
max. power: 150 kW  
max. rpm: 20,000 rpm  
max. torque: 96 Nm

### Milling head 8

#### High-frequency milling spindle

HSK100 A

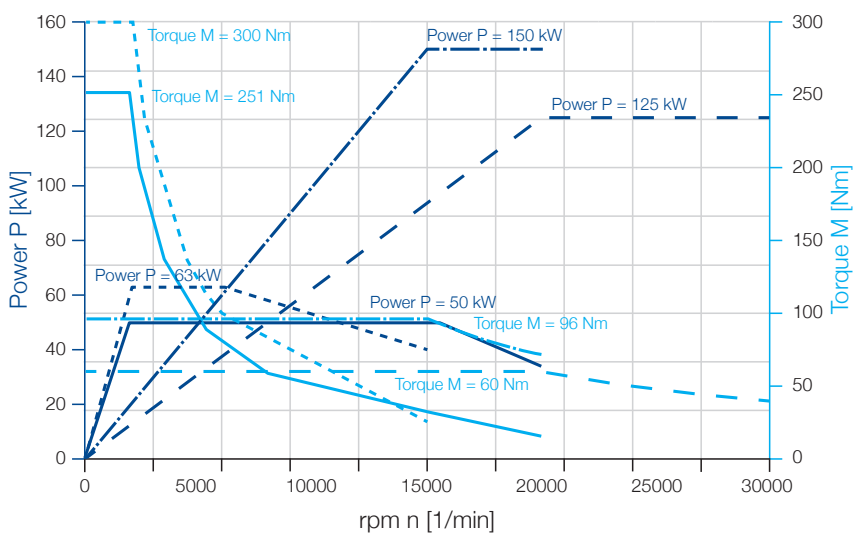
with 50 kW, 20,000 rpm ———  
with 63 kW, 15,000 rpm - - - - -  
with 150 kW, 20,000 rpm - · - · -

#### High-frequency milling spindle

HSK63 A

with 125 kW, 30,000 rpm - - - -

Spindle also available with other performance characteristics



## MATERIAL

Plastics	Blockmaterials for modelling	Composite materials (CFRP/GRP)	Aluminium	Cast Iron	Steel
-	-	-	+	+	+