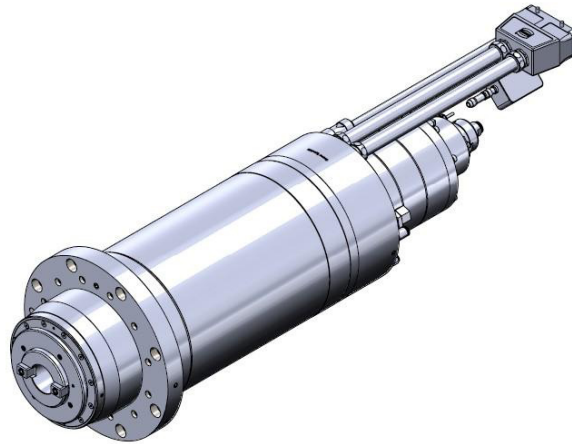
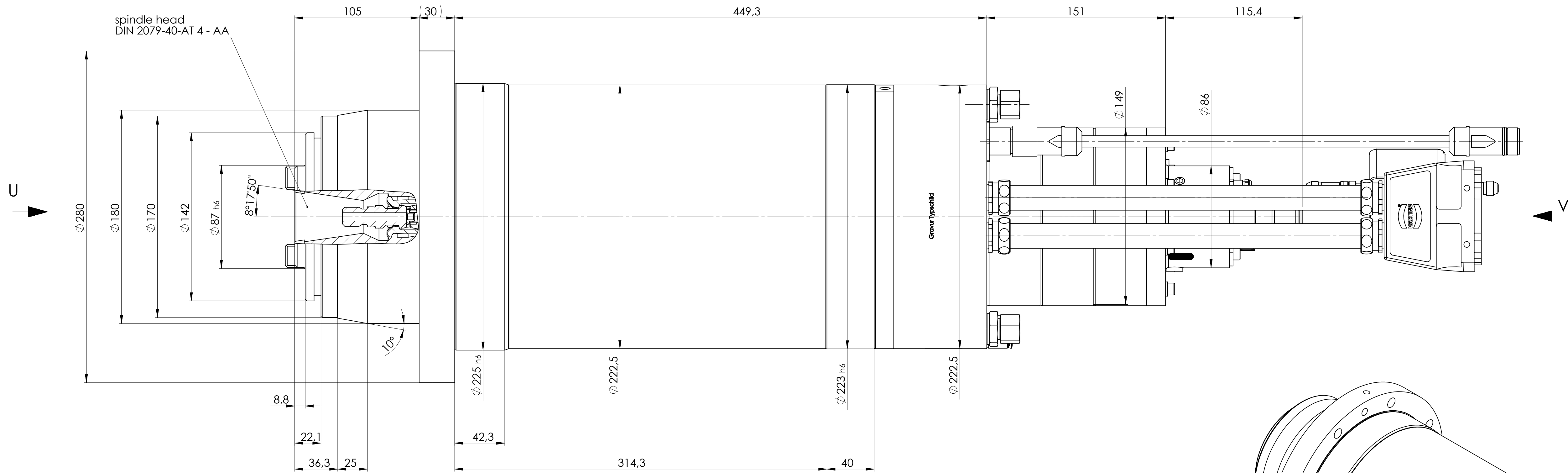


Fräs-Motorspindel SPL 5016.0 - Datenblatt



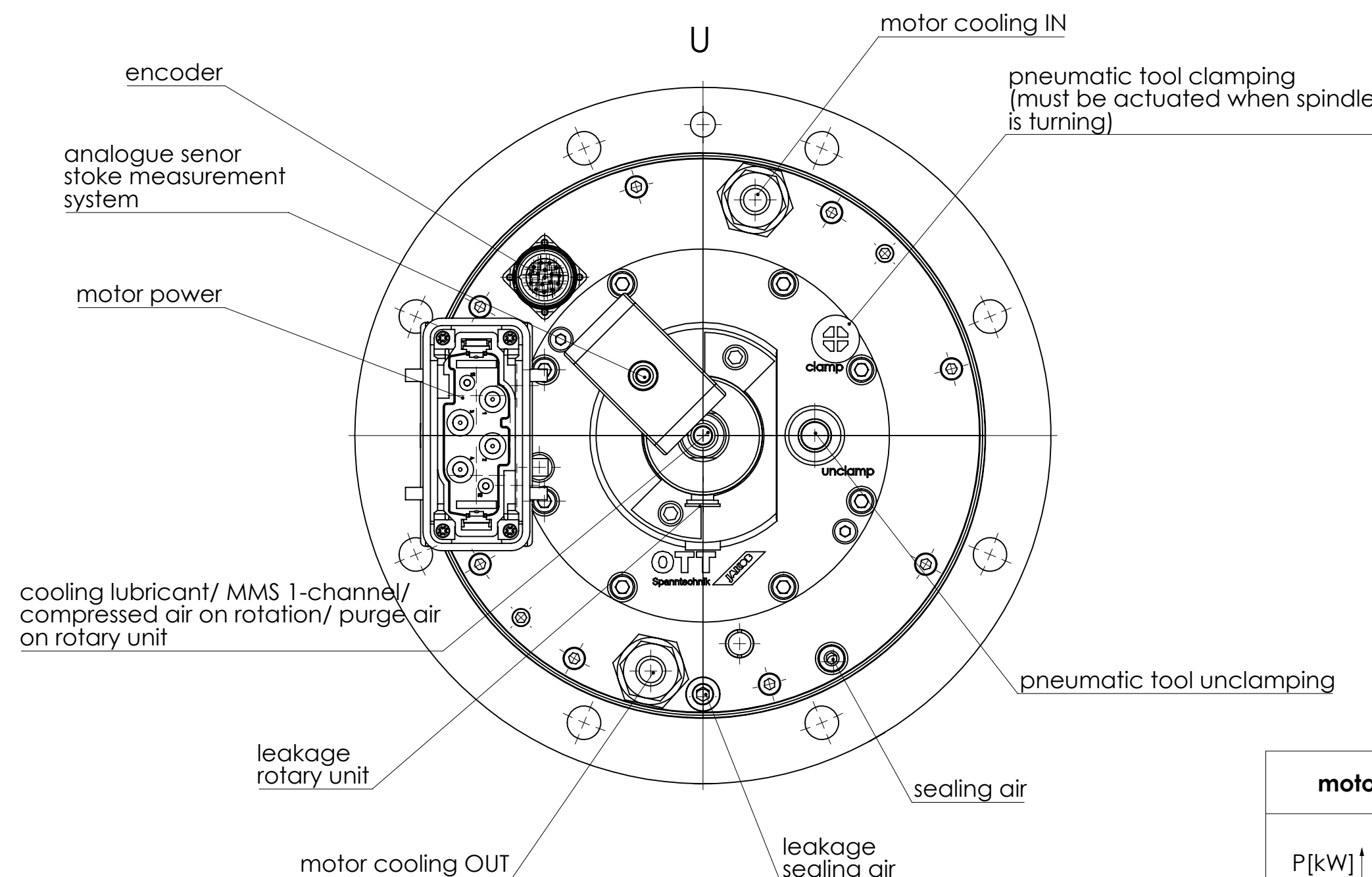
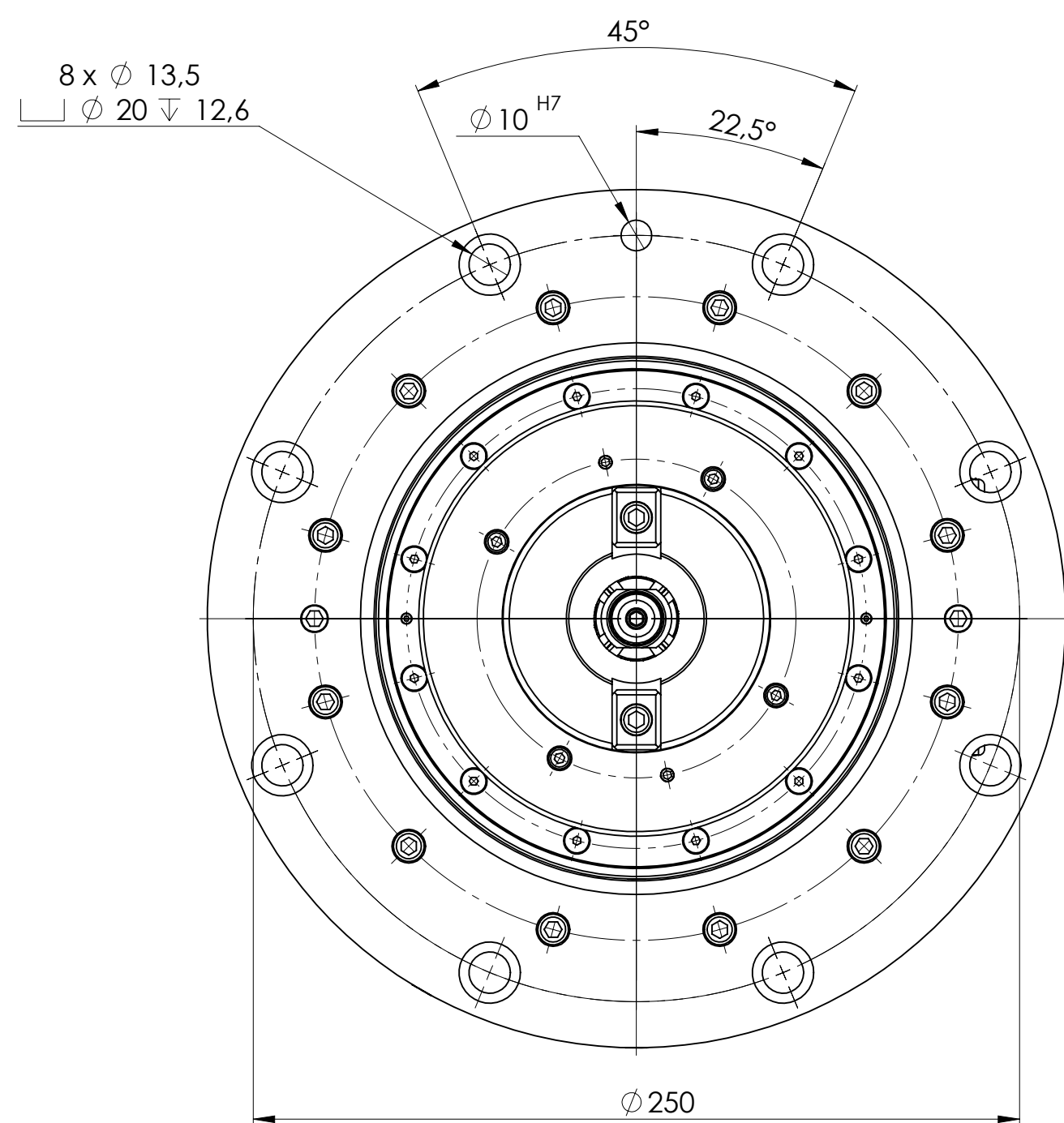
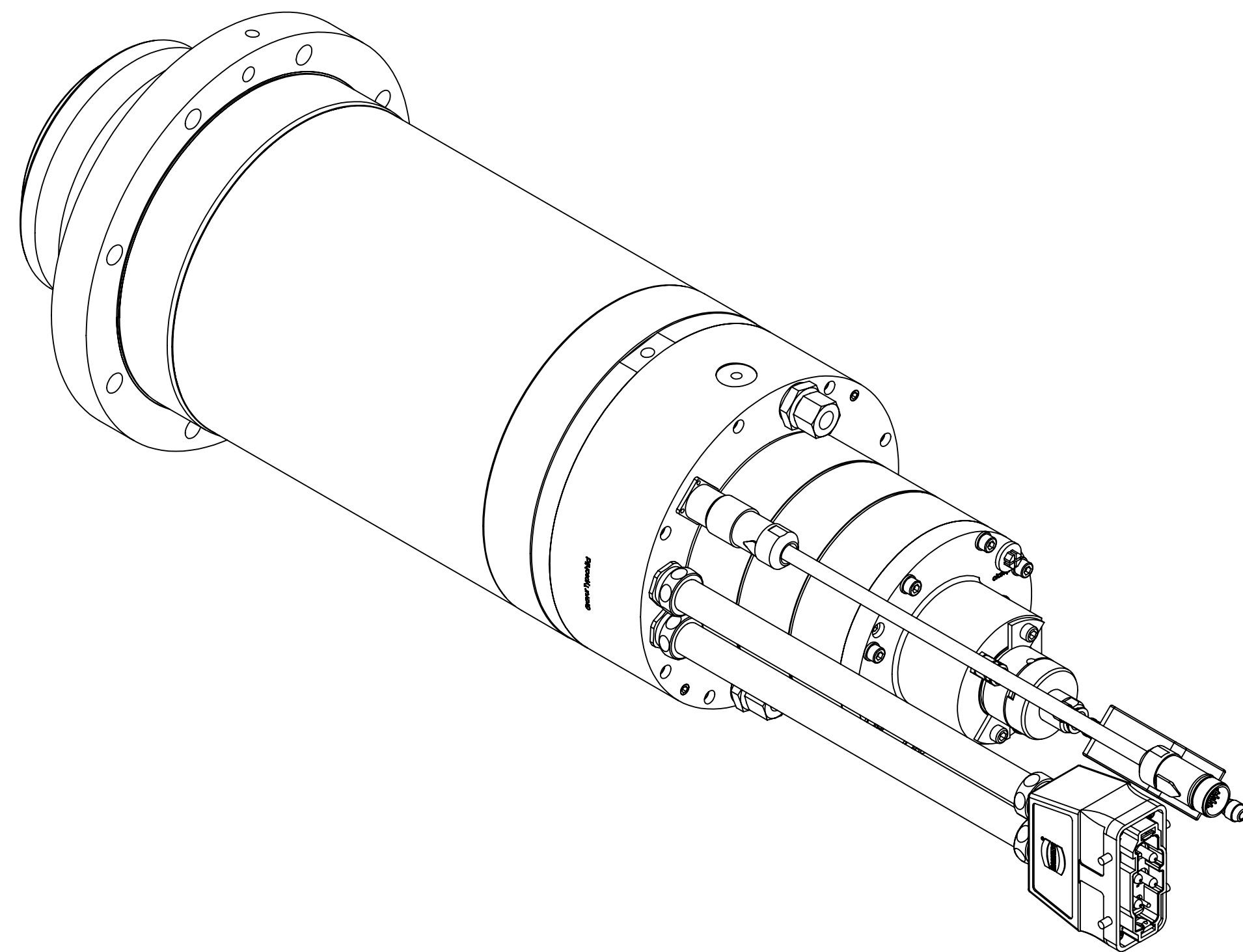
Technische Daten

Produktkategorie	Fräsen
Werkzeugaufnahme	SK40 DIN2079 - Automatische Werkzeugspannung
Nennleistung	15kW
Nenndrehzahl	1.500rpm
Maximaldrehzahl	10.000rpm
Drehmoment	96Nm
Drehgeber	1VSS integriert

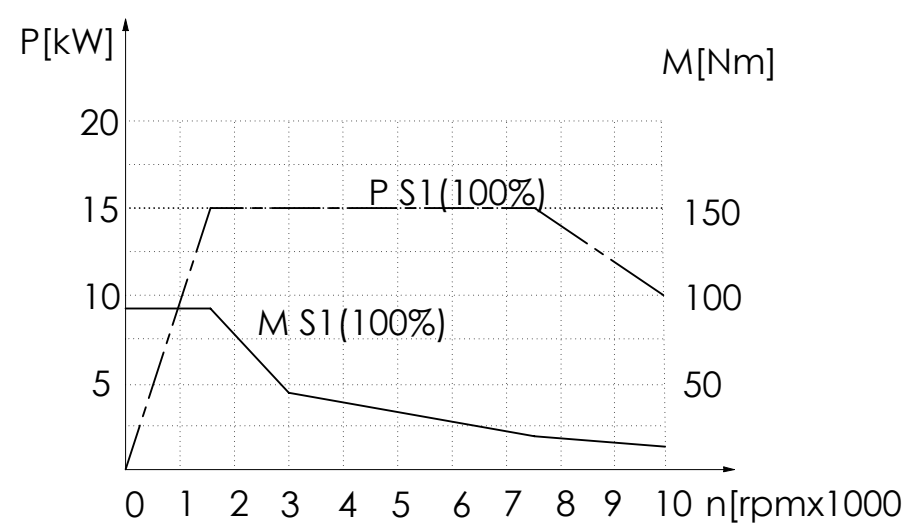


view U

view V



motor data, AC 170/180/6, mfg ATE



nominal speed	1490 rpm
nominal torque	96.1 Nm
nominal power	15 kW
nominal current	66 A
torque S6(40%)	129.9 Nm
power S6(40%)	20 kW
current S6(40%)	88 A

The power data are only electrical data without electrical losses.

encoder RGM2G-A-V5Z-256/T30, mfg. VS-Sensorik

measuring wheel
modul m=0,5; 256 teeth
operating voltage: 5 V DC $\pm 5\%$
output signal: Two sinusoidal-signals moved around 90°
reference impulse
signal level: difference signal 1 Vss

sensor clamping tool position, mfg. OTT-Jakob

type: Stroke measuring system
function: analogous:
operating voltage 10...30V DC
operating current (No-load) max. 70mA
nominal operating voltage 24V DC
ambient temperature max. 70 °C
signal 4...20mA

tool clamping system, mfg. OTT-Jakob

SK 40 DIN 69871 / 69872
ISO 7388/1/2 type A
ISH40-A1-2-E-394-0564,0)

Technical Data

clamping force 12 kN
speed 10000 rpm
unclamping pressure min. 4 bar; max.8 bar
clamping pressure 1...8 bar
(must be actuated when spindle is turning)

rotary unit, mfg. OTT-Jakob

1K-GDR-A (95.250.025.1.0)

Technical Data

cooling lubricant pressure (max.) max. 80 bar
purge air (on spindle unit) 5 bar
compressed air (<10000 rpm) max. 5 bar
dry run possible max. 10 bar
MMS (external mixing, 1-channel)

technical data

type:	motor spindle
use:	milling spindle
speed:	10.000 rpm
motor:	type: AC 170/180/6, asynchron water cooling Q: 8 ...10 lpm pmax: 5 bar
bearings:	hybrid bearing, grease lubrication
clamping system:	ISH40-A1-2-E-3924-0564,0
encoder:	RGM2G-A-V5Z-256/T30
sealing air:	0.8bar max. 1bar (measured at the spindle connection)
installation position:	horizontal

edges without dimension ISO 13715	general tolerances ISO 2768-m-H	surface description ISO 1302	projection method ISO 54542
inner edges ± 0.5		Ra in μm	
outside edges ± 0.3			

weight	scale	material	origin
...	1:2	---	model no.
date	name		

model	description
drawn	Milling motor spindle
checked	SK-40, 15 kW, 96 Nm, 10.000 rpm
saved	drawing no. 5016.0-00.0W-01

SPL Spindel und Präzisionslager GmbH Am Gewerbegebiet 7 D-04720 Ebersbach	replace for:	replaced by:
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