

HOCHFREQUENZ-MOTORSPINDEL
HIGH-FREQUENCY MOTOR SPINDLE



5062 DC-HSK-C32

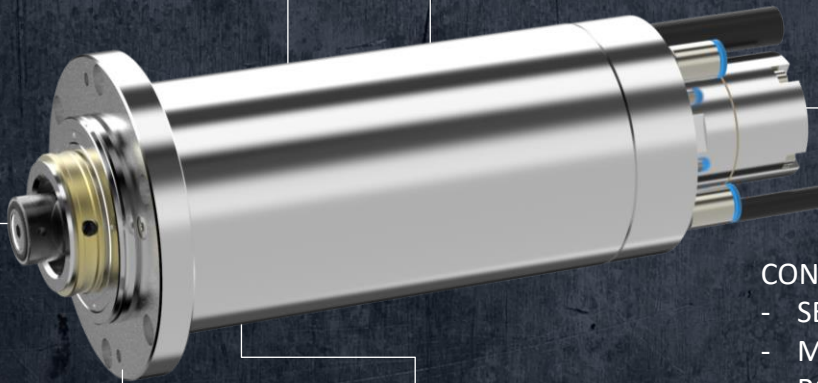


HIGH EFFICIENT DRIVE TECHNOLOGY

FEATURES

SYNCHRONOUS MOTOR:
- UP TO 5.1 KW AND 4.0 NM

INTERNAL SPINDLE
COOLING



CONNECTORS FOR:
- SEALING AIR
- MOTOR COOLING
- ROTARY UNION
- POWER
- SENSOR (TEMP & SPEED)

HYBRID SPINDLE BEARINGS
LIFETIME LUBRICATED

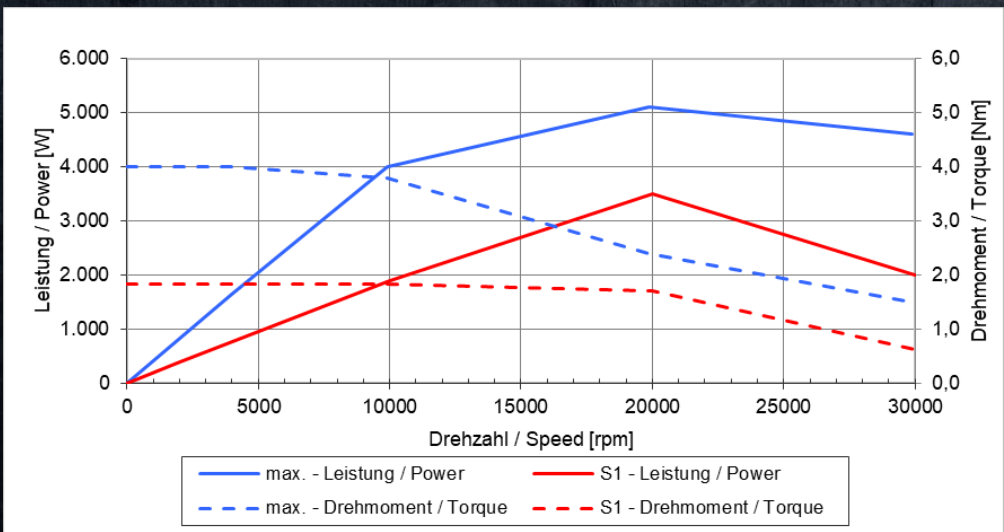
HOUSING FULLY CYLINDRIC OR
WITH FLANGE

HSK-C32 INTERFACE
MANUAL TOOL CHANGE

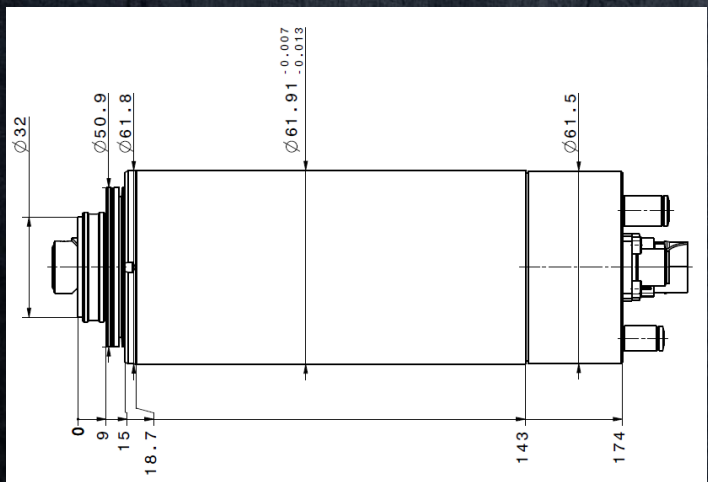
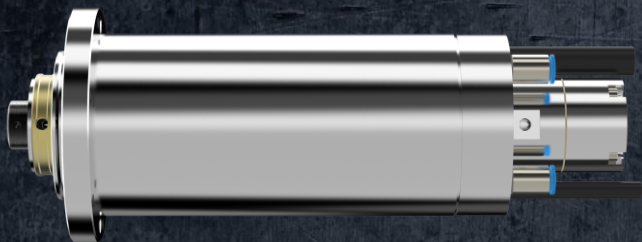
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Speed	6,000 – 30,000rpm
Housing diameter	61.9 mm
Motor system	BLDC
Motor type	60-DC-04
Frequency	300 – 1,500 Hz
Voltage	348 V
Current	S1: 6 A max. 14 A – 5 sec.
Output power	S1: 3500 W max. 5100 W
Torque	S1: 1.8 Nm max. 4.0 Nm
Motor protection	PTC
Weight	2.5 kg
Bearing system	2 x Hybrid, lifetime lubrication
Run-out (taper)	≤ 1 µm
Tooling system	Tool holder HSK-C32
Tool change	Manual
Cooling system	Internal housing cooling 0.7 l/min
Protection category	IP 55
Protected against dirt and cooling lubricant	Sealing air 10 - 15 l/min@stp
Cable / plug type	915 – Power M12 - Sensor
Housing material	Stainless steel
Inverter recommendation	S&M SD4S
Optional Sensor	Speed sensor 1Vss sin/cos Up to 120 bar
Optional Rotary Union	Filtered fineness 50µm Dry running possible

60-DC-04



DIMENSIONS





high efficient drive technology

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