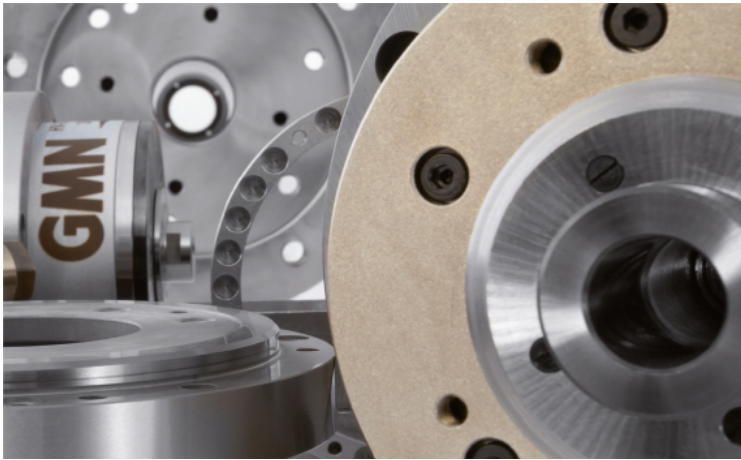
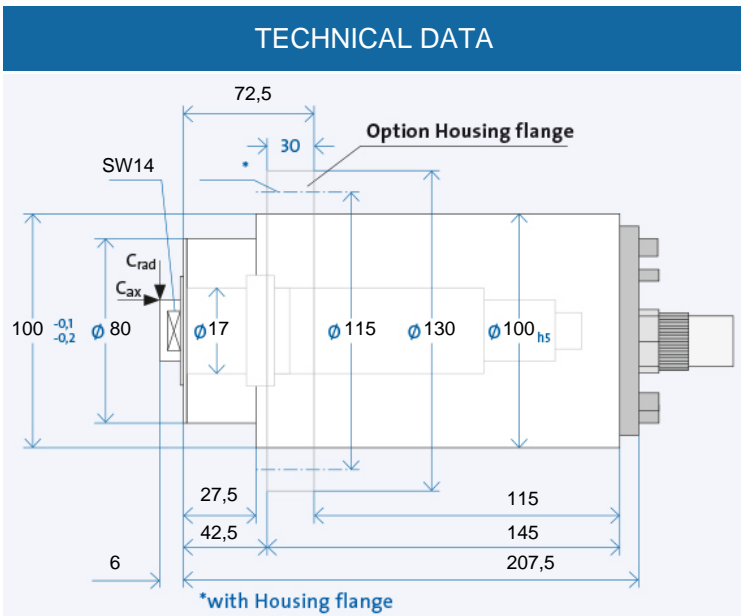


HSX 100 - 90000/3



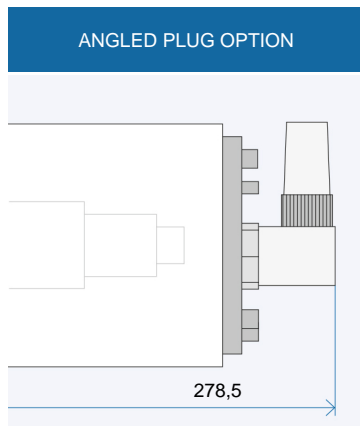
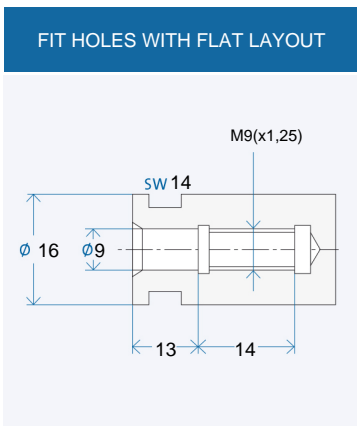
Technical data		
∅ Spindle housing	A	[mm]
Speed max.	n_{max}	[min ⁻¹]
Bearing; front	W_1	[mm]
Tool interface		
∅ Flat layout	W	[mm]
Static rigidity		
axial	C_{ax}	[N/μm]
radial	C_{rad}	[N/μm]
Motor realization		
Frequency max.	f_{max}	[Hz]
Converter voltage ¹⁾		[V]
Power	P_{S1}	[kW]
Torque	M_{S1}	[Nm]
... at speed	n	[min ⁻¹]
Current	I_{S1}	[A]
Power	$P_{S6-60\%}$	[kW]
Torque	$M_{S6-60\%}$	[Nm]
... at speed	n	[min ⁻¹]
Current	$I_{S6-60\%}$	[A]

HSX 100 - 90000/3		
100		
90000		
17		
D 09/16		
16		
36		
33		
200 V	350 V	-
1500		
200	350	-
2,5		
0,265		
90000		
13	7,5	-
3		
0,318		
90000		
16	9	-



Electrical connection		
Plug type	GA	GA
Straight plug connection	+	-
Coil plug connector	o	-
Fixed cable XXm	o	-
Coolant feed through the shaft		
Low pressure (du)		o
High-pressure (dh)		-
Sensors		
Rotary encoder		-
Speed sensor		+
Housing		
Cylindrical housing		+
Cylindrical housing with flange		o
Block housing		x
Air-tight seal		o

GA	GA	-
+	+	-
o	o	-
o	o	-
	o	
	+	
	+	
	o	
	x	
	o	

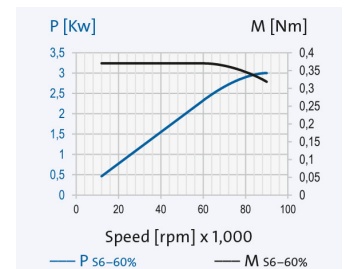


The data currently provided on the internet apply. Further and detailed information is provided in the GMN 2508 catalogue.

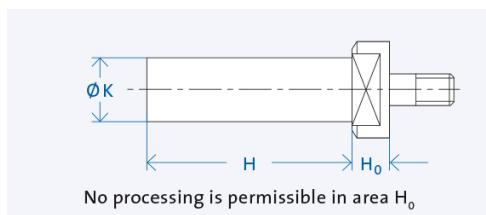
¹⁾ Minimum required starting voltage for the frequency converter.

+ Standard
o Optional
x Upon request

Ordering information:
HSX 100 - 90000/3
R is for clockwise, L for counter-clockwise
+ Desired options



HSX 100 - 90000/3



Semi-finished goods

GMN semi-finished products allow the individual adaptation of the tool interface for any connections.

d ₁	K [mm]	H [mm]
D 09/16	16	84

Ordering information: »Semi-finished goods« [Shaft Ø K] x [Shaft length H] [Interface]
 Example: Semi-finished goods 34 x 180 D16/33



Lubrication system

The electronically controlled PRELUB lubrication unit is optimally adapted to the oil-air lubricated GMN spindles and guarantees a long service life.



Cooling system

GMN cooling units ensure precisely adjustable temperature and quantity delivery of the coolant and achieve consistently low operating temperatures.



Cable and plug

Ready-made cables with B048, B049, GA, MAC, D500 and STK plugs are available on request. For the spindle/converter connection, GMN supplies UL/CSA approved electrical cables suitable for use in drag chains.