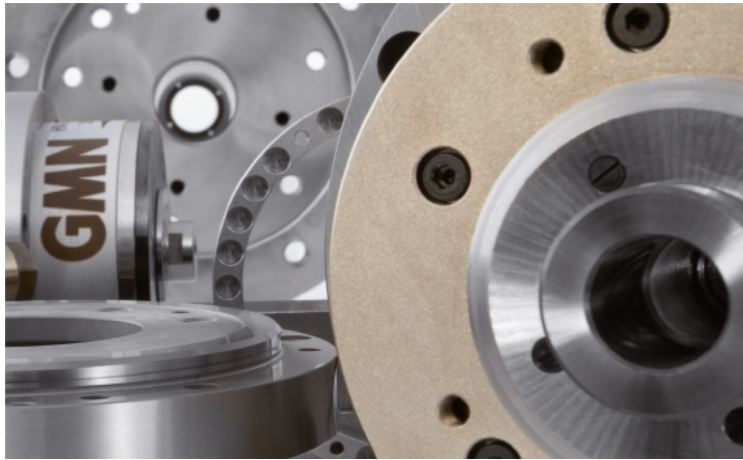


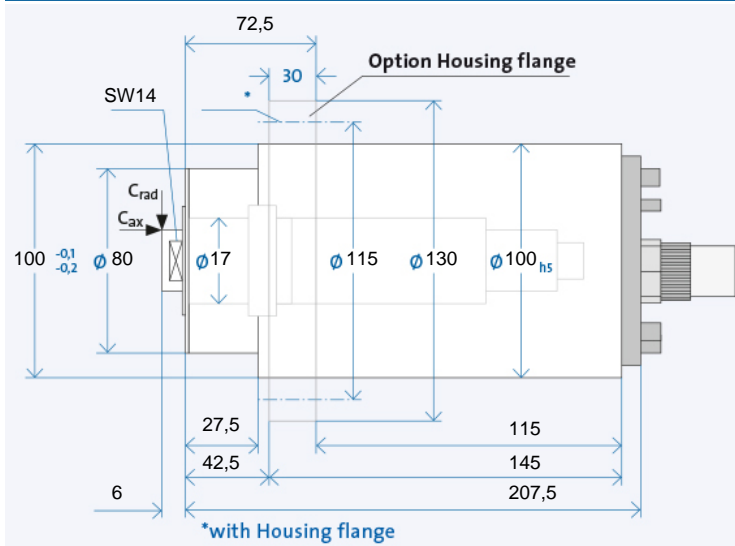
# HSX 100 - 90000/3



Technical data		
∅ Spindle housing	A	[mm]
Speed max.	$n_{max}$	[min <sup>-1</sup> ]
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 <sup>1)</sup>		[V]
Power	$P_{S1}$	[kW]
Torque	$M_{S1}$	[Nm]
... at speed	$n$	[min <sup>-1</sup> ]
Current	$I_{S1}$	[A]
Power	$P_{S6-60\%}$	[kW]
Torque	$M_{S6-60\%}$	[Nm]
... at speed	$n$	[min <sup>-1</sup> ]
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	-

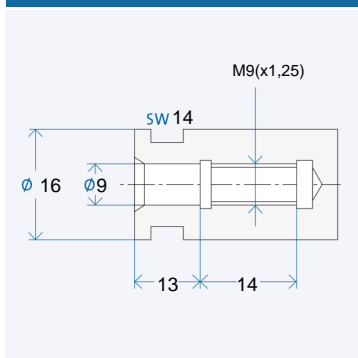
## TECHNICAL DATA



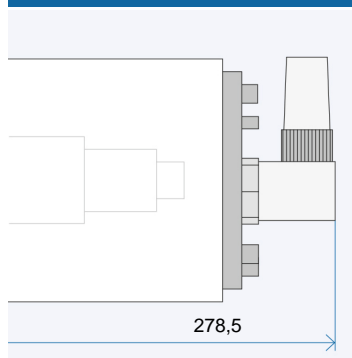
Electrical connection		
Plug type	GA	GA
Straight plug connection	+	-
Coil plug connector	o	-
Fixed cable XXm	o	-
Coolant feed through the shaft		
Low pressure (du)		o
High-pressure (dh)		-
Sensors		
Rotary encoder		-
Speed sensor		+
Housing		
Cylindrical housing		+
Cylindrical housing with flange		o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

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

## FIT HOLES WITH FLAT LAYOUT



## ANGLED PLUG OPTION



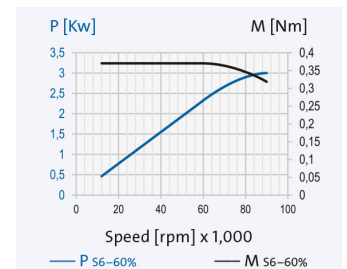
The data currently provided on the internet apply. Further and detailed information is provided in the GMN 2508 catalogue.

<sup>1)</sup> Minimum required starting voltage for the frequency converter.

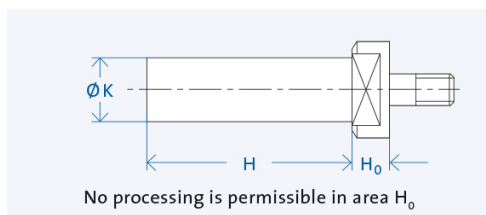
+ Standard  
o Optional  
x Upon request

## 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 <sub>1</sub>	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.