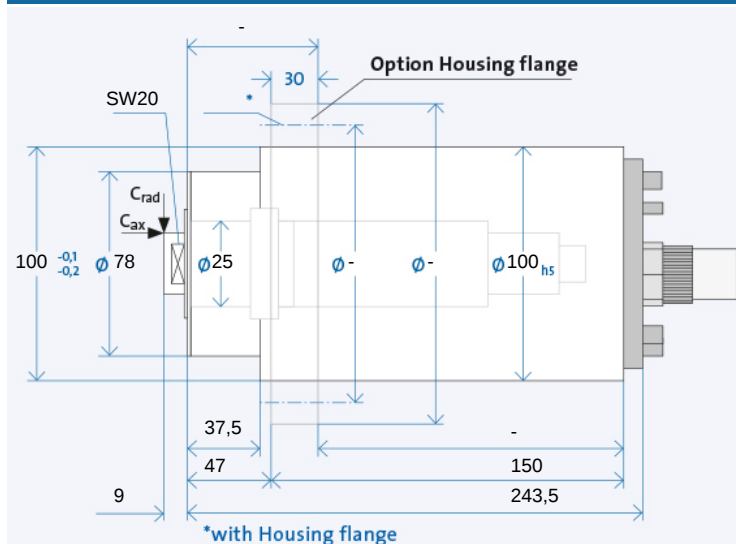


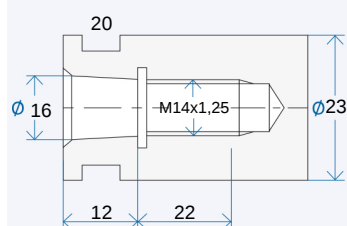
UHS 100 - 90000/5



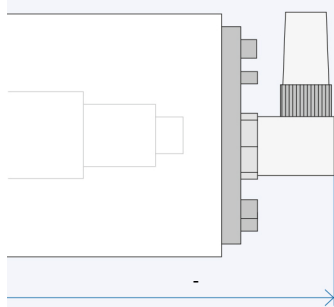
TECHNICAL DATA



INTERNAL TAPERS WITH A FLAT



ANGLED PLUG OPTION



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

Technical data

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

Electrical connection

Plug type
Straight plug connection
Coil plug connector
Fixed cable XXm

Coolant feed through the shaft

- Low pressure (du)
- High-pressure (dh)

Rotary encoder
Speed sensor

Cylindrical housing
Cylindrical housing with flange
Block housing
Air-tight seal

¹⁾ Minimum required starting voltage for the frequency converter.

- + Standard
- o Optional
- x Upon request

UHS 100 - 90000/5

100		
90000		
25		
U 16/23		
23		
57		
58		
200V	350V	-
1500		
200V	350V	-
4,4		
0,467		
90000		
17	9,7	-
5		
0,531		
90000		
19	11	-

Electrical connection

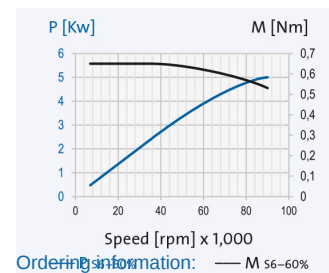
B040	B040	-
+	+	-
0	0	-
0	0	-

Coolant feed through the shaft

0
-

	-
	+

+
0
x
0



Ordering information: — M 56-6
+ UHS 100 - 90000/5
R is for clockwise, L for counter-clockwise

UHS 100 - 90000/5

UHS 100 - 90000/5



Delivery contents

Spindles in the UHS series are basically available as a complete system. Items included in delivery are:

- Spindle
- Frequency converter (including motor throttle if needed)
- Lubrication system
- Cable (spindle - frequency converter), supply line
- Hose lines for oil-air lubrication



Frequency converter

Minimizes heating of high-rotational synchronous motors in the UHS series, which are only allowed for limited over-temperatures due to the low rotor volumes (also suitable for asynchronous motors). The required operating parameters are pre-programmed.



Lubrication system

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



Cable and hose device

Each 5 meters long.

Also options with special lengths. Please request.

Accessories



Cooling system

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