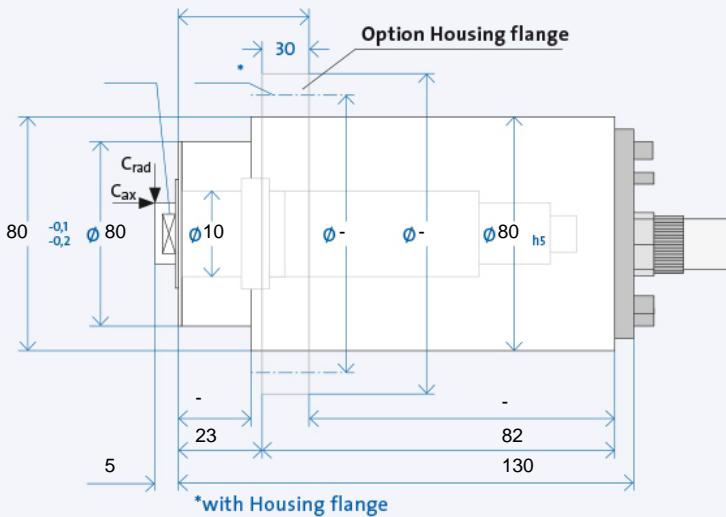


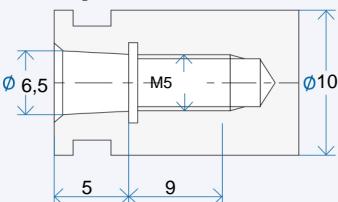
# UHS 80 - 250000/0.5



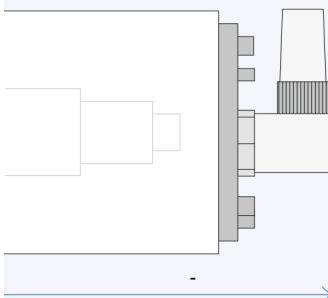
## TECHNICAL DATA



### INTERNAL TAPERS WITH A FLAT



### ANGLED PLUG OPTION



## Technical data

Spindle housing-Ø	A	[mm]
Speed max.	n <sub>max</sub>	[min <sup>-1</sup> ]
Bearing: front	W <sub>1</sub>	[mm]
Tool interface		
Flat layout-Ø	W	[mm]
Static rigidity		
axial	C <sub>ax</sub>	[N/μm]
radial	C <sub>rad</sub>	[N/μm]
Motor realization		
Frequency max.	f <sub>max</sub>	[Hz]
Converter voltage <sup>1)</sup>		[V]
Power	P <sub>S1</sub>	[kW]
Torque	M <sub>S1</sub>	[Nm]
... at speed	n	[min <sup>-1</sup> ]
Current	I <sub>S1</sub>	[A]
Power	P <sub>S6-60%</sub>	[kW]
Torque	M <sub>S6-60%</sub>	[Nm]
... at speed	n	[min <sup>-1</sup> ]
Current	I <sub>S6-60%</sub>	[A]

## UHS 80 - 250000/0.5

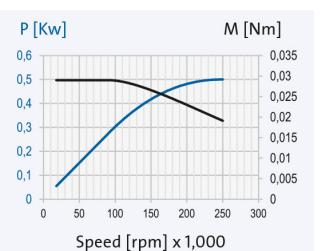
80		
250000		
10		
U 6,5/10		
10		
7		
12		
200V	-	-
4167		
200V	-	-
0,45		
0,0172		
250000		
2,9	-	-
0,5		
0,0191		
250000		
3,2	-	-

## Electrical connection

Plug type	B025	-	-
+	-	-	-
X	-	-	-
X	-	-	-
Coolant feed through the shaft			
Low pressure (du)			
High-pressure (dh)			
Sensors			
Rotary encoder		-	-
Speed sensor		-	-
Housing			
Cylindrical housing		+	
Cylindrical housing with flange		X	
Block housing		X	
Air-tight seal		+	

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

- + Standard
- o Optional
- x Upon request



Ordering information: — M S6-60%  
+ UHS 80 - 250000/0.5  
R is for clockwise, L for counter-clockwise

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

# UHS 80 - 250000/0.5

# UHS 80 - 250000/0.5



## 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.