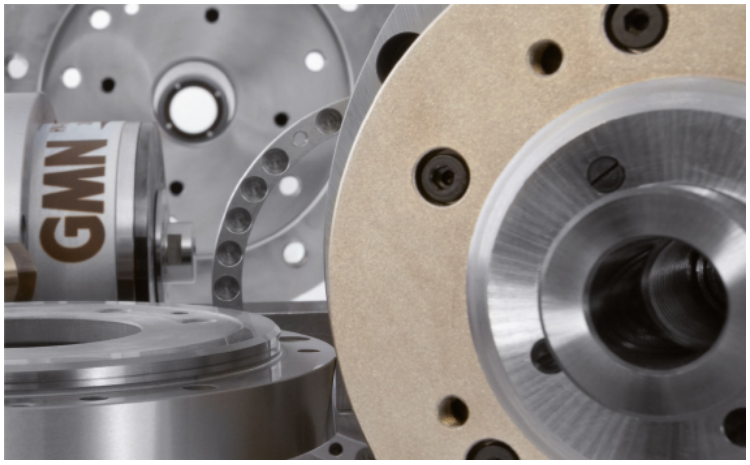
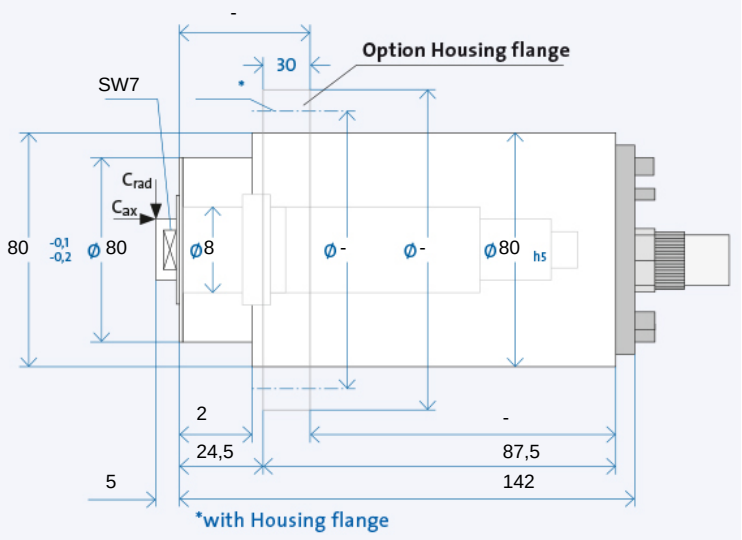
GMN
High-speed tool spindles for manual tool change

www.gmn.de

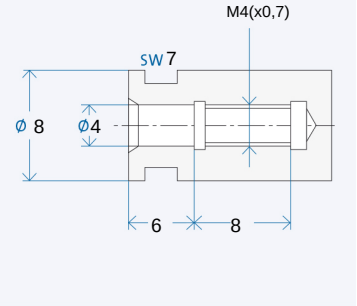
HS 80 - 150000/0.5



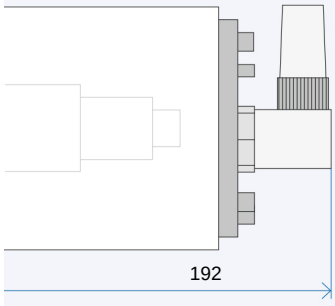
TECHNICAL DATA



FIT HOLES WITH FLAT LAYOUT



ANGLED PLUG OPTION

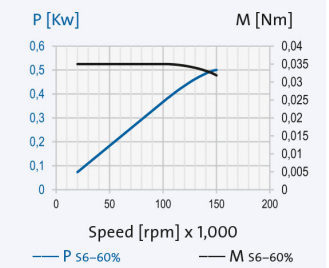


The data currently provided on the internet apply. Further and detailed information is provided in the GMN 2508 catalogue.

Technical data			HS 80 - 150000/0.5		
ø Spindle housing	A	[mm]	80		
Speed max.	n_{max}	[min^{-1}]	150000		
Bearing; front	W_1	[mm]	8		
Tool interface			D 04/08		
ø Flat layout	W	[mm]	8		
Static rigidity					
axial	C_{ax}	[N/µm]	9		
radial	C_{rad}	[N/µm]	15		
Motor realization			200 V	-	-
Frequency max.	f_{max}	[Hz]	2500		
Converter voltage[1)]		[V]	200	-	-
Power	P_{S1}	[kW]	0,45		
Torque	M_{S1}	[Nm]	0,0286		
... at speed	n	[min^{-1}]	150000		
Current	I_{S1}	[A]	2,3	-	-
Power	$P_{S6\text{-}60\%}$	[kW]	0,5		
Torque	$M_{S6\text{-}60\%}$	[Nm]	0,0318		
... at speed	n	[min^{-1}]	150000		
Current	$I_{S6\text{-}60\%}$	[A]	2,5	-	-
Electrical connection					
Plug type			GA	-	-
Straight plug connection			+	-	-
Coil plug connector			x	-	-
Fixed cable XXm			o	-	-
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			x		

[1)] Minimum required starting voltage for the frequency converter.

+ Standard
o Optional
x Upon request



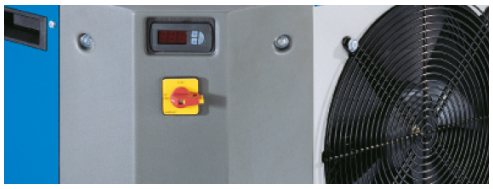
Ordering information:
HS 80 - 150000/0.5
R is for clockwise, L for counter-clockwise
+ Desired options

HS 80 - 150000/0.5



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.