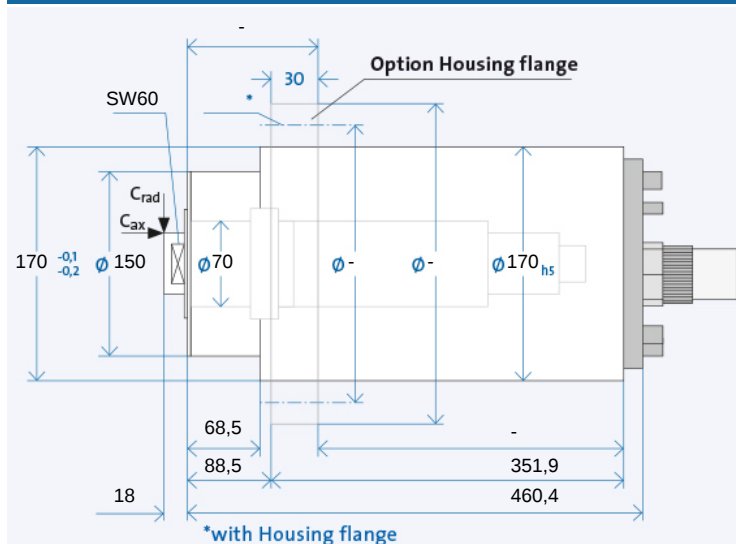


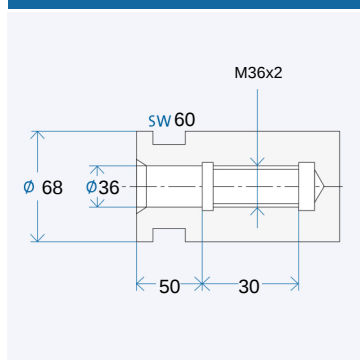
HSX 170 - 18000/34



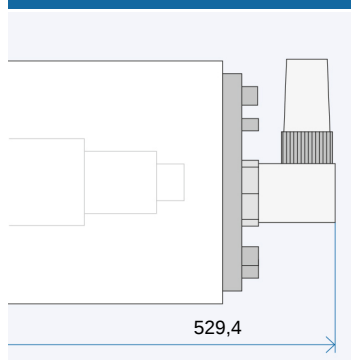
TECHNICAL DATA



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

Ø Spindle housing	A	[mm]
Speed max.	n_{max}	[min ⁻¹]
Bearing; front	W ₁	[mm]
Tool interface		
Ø 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]

Electrical connection

Plug type
Straight plug connection
Coil plug connector
Fixed cable XXm
Coolant feed through the shaft
Low pressure (du)
High-pressure (dh)
Sensors
Rotary encoder
Speed sensor
Housing
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

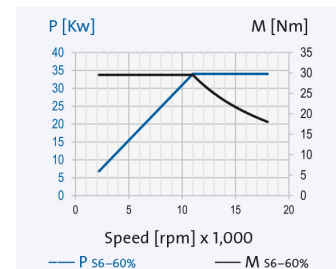
Ordering information:

HSX 170 - 18000/34
R is for clockwise, L for counter-clockwise
+ Desired options

HSX 170 - 18000/34

170		
18000		
70		
D 36/68		
68		
135		
262		
200 V	350 V	460 V
600		
200	350	460
29		
25,2		
11000		
117	67	51
34		
29,5		
11000		
137	78	59

D350	MAC	MAC
+	+	+
o	o	o
o	o	o
Coolant feed through the shaft		
Low pressure (du)	-	
High-pressure (dh)	x	
Sensors		
Rotary encoder	x	
Speed sensor	+	
Housing		
Cylindrical housing	+	
Cylindrical housing with flange	o	
Block housing	x	
Air-tight seal	o	



HSX 170 - 18000/34

Grinding quills

GMN produces grinding quills with high round and flat face accuracy for all available GMN grinding mandrel receivers.

FIG. 1: CEMENTED (KI)

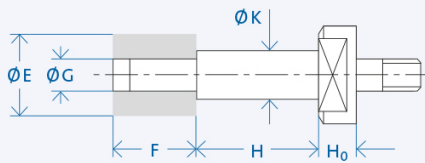


FIG. 2: WITH ADJUSTMENT SCREW (PS)

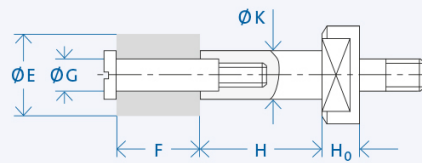
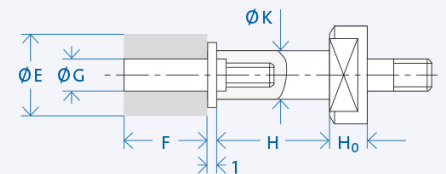
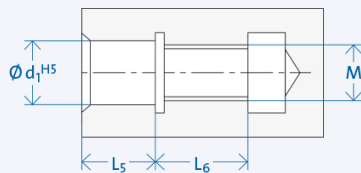


FIG. 3: FOR GRINDING WHEELS ON THREADED PIN (PL)*



FITTING HOLE FOR FIG. 2 AND 3



d ₁	M	L ₅	L ₆
4	M3	5	8
6	M5	7	11
8	M6	9	12
10	M8	12	14
13	M12	13	17

Interface	K [mm]	H [mm]	Wheel E x F [mm]	G [mm]	Grinding wheel attachment	H ₀ [mm]
D 36/68	32	63	50 x 40	20	MU	15
	40	80	63 x 40	25	MU	
	56	125	100 x 40	36	MU	

Ordering information:

[Mandrel Ø K] x [Mandrel length H] - [Grinding wheels Ø G] x [Grinding wheel width F] [Interface] [Mandrel fixation]

Example: Grinding quill 16 x 40 - 10 x 25 D16/28 PS

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.

