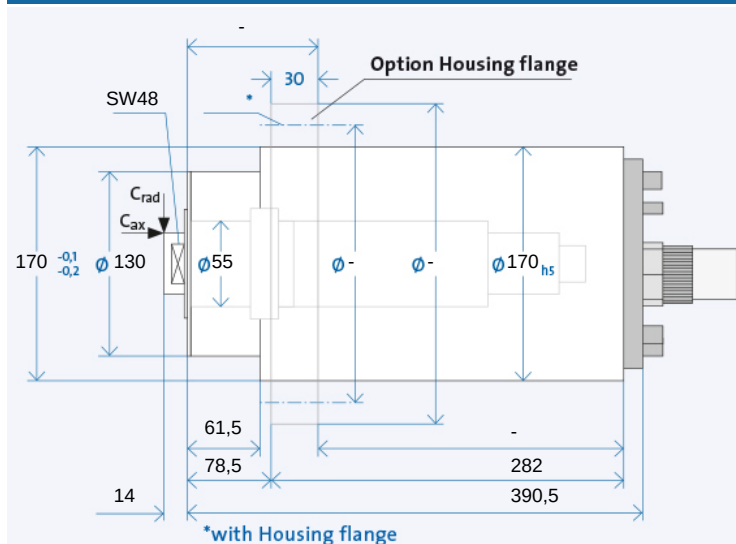


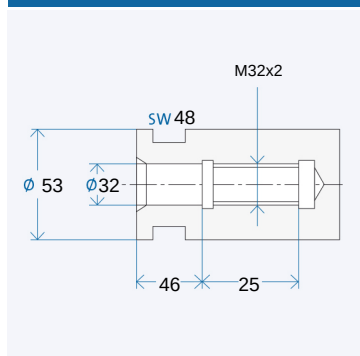
HSX 170 - 30000/21



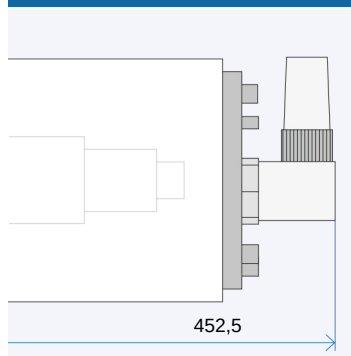
TECHNICAL DATA



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.	$n_{\max}$	$[\text{min}^{-1}]$
Bearing; front	W_i	[mm]
Tool interface		
Ø Flat layout	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

Ordering information:

Ordering information:
HSX 170 - 30000/21
R is for clockwise, L for counter-
clockwise
+ Desired options

HSX 170 - 30000/21

170		
30000		
55		
D 32/53		
53		
111		
203		
200 V	350 V	460 V
1000		
200	350	460
19		
20,2		
9000		
82	47	36
21		
22,3		
9000		
93	53	40

Electrical connection

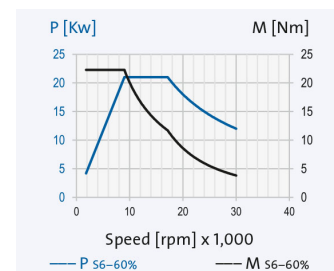
MAC	MAC	MAC
+	+	+
0	0	0
0	0	0

Coolant feed through the shaft

	-
	X

X
+

+
0
x
0



HSX 170 - 30000/21

Grinding quills

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

FIG. 1: CEMENTED (KI)

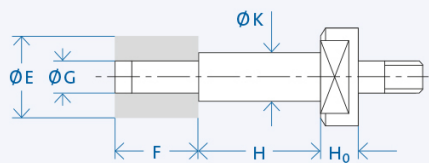


FIG. 2: WITH ADJUSTMENT SCREW (PS)

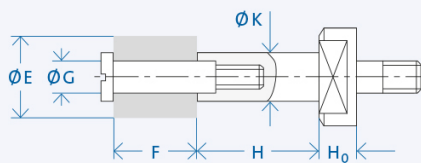
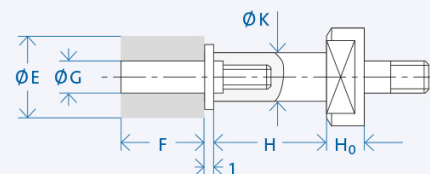
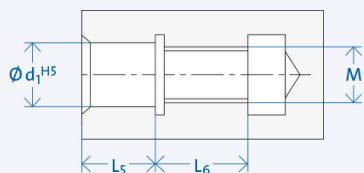


FIG. 3: FOR GRINDING WHEELS ON THREADED PIN (PL)*



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 32/53	20	50	32 x 25	13	PS/PL	12
	32	63	50 x 40	20	MU	
	40	80	63 x 40	25	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

Semi-finished goods

GMN semi-finished products allow the individual adaptation of the tool interface for any connections.

d ₁	K [mm]	H [mm]
D 32/53	53	235

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.

