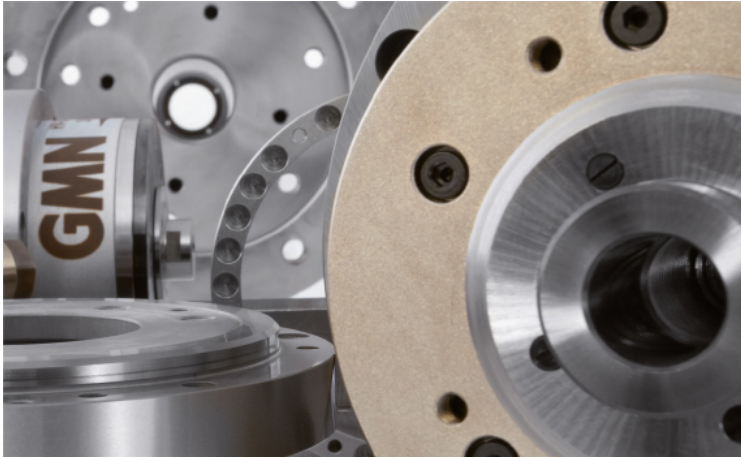
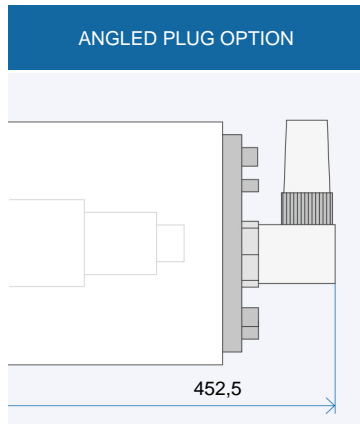
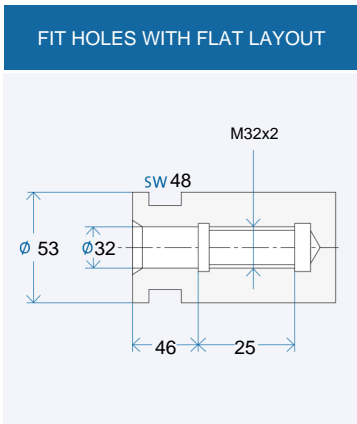
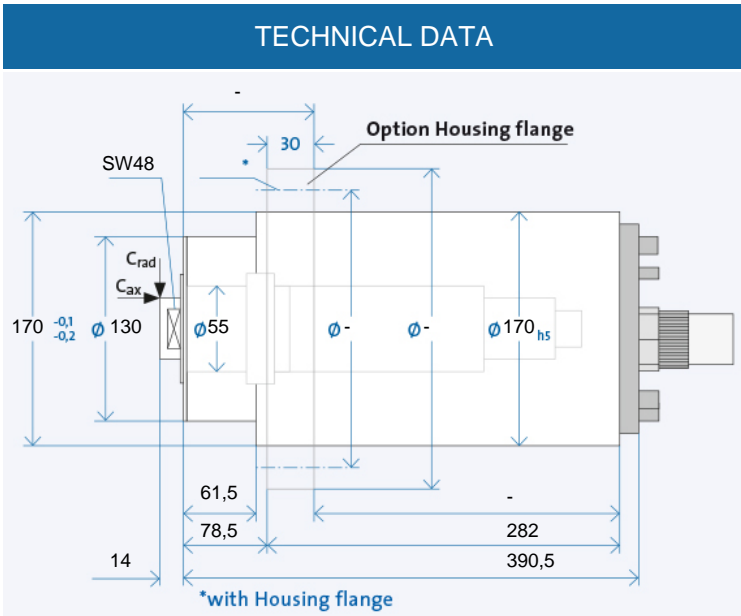


# HSX 170 - 30000/35



Technical data		
∅ Spindle housing	A	[mm]
Speed max.	$n_{max}$	[min <sup>-1</sup> ]
Bearing; front	$W_1$	[mm]
Tool interface		
∅ 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 <sup>1)</sup>		[V]
Power	$P_{S1}$	[kW]
Torque	$M_{S1}$	[Nm]
... at speed	$n$	[min <sup>-1</sup> ]
Current	$I_{S1}$	[A]
Power	$P_{S6-60\%}$	[kW]
Torque	$M_{S6-60\%}$	[Nm]
... at speed	$n$	[min <sup>-1</sup> ]
Current	$I_{S6-60\%}$	[A]

HSX 170 - 30000/35			
170			
30000			
55			
D 32/53			
53			
111			
203			
200 V	350 V	460 V	
1000			
200	350	460	
32			
20,4			
15000			
140	80	61	
35			
22,3			
15000			
151	86	65	



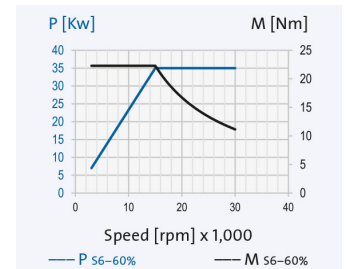
Electrical connection		
Plug type	Straight plug connection	
Coil plug connector	Fixed cable XXm	
Coolant feed through the shaft		
Low pressure (du)	-	
High-pressure (dh)	x	
Sensors		
Rotary encoder	x	
Speed sensor	+	
Housing		
Cylindrical housing	+	
Cylindrical housing with flange	o	
Block housing	x	
Air-tight seal	o	

D350	MAC	MAC
+	+	+
o	o	o
o	o	o
-		
x		
x		
+		
+		
o		
x		
o		

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

- + Standard
- o Optional
- x Upon request

**Ordering information:**  
 HSX 170 - 30000/35  
 R is for clockwise, L for counter-clockwise  
 + Desired options



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

# HSX 170 - 30000/35

## Grinding quills

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

FIG. 1: CEMENTED (KI)

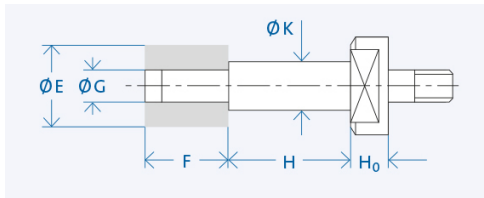


FIG. 2: WITH ADJUSTMENT SCREW (PS)

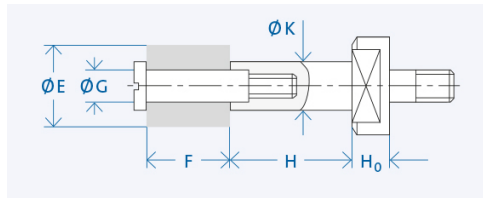
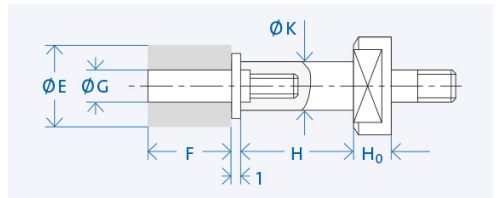
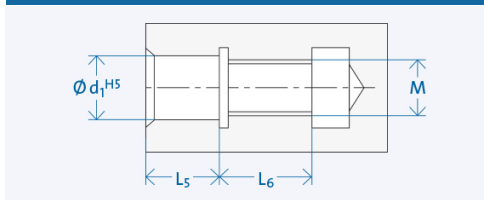


FIG. 3: FOR GRINDING WHEELS ON THREADED PIN (PL)\*



FITTING HOLE FOR FIG. 2 AND 3



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

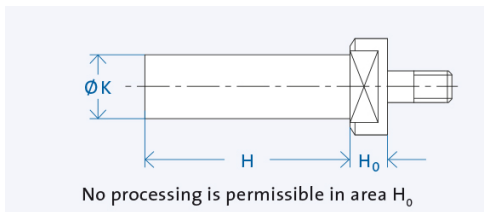
Interface	K [mm]	H [mm]	Wheel E x F [mm]	G [mm]	Grinding wheel attachment	H <sub>0</sub> [mm]
D 32/53	20	50	32 x 25	13	PS/PL	12
	32	63	50 x 40	20	MU	
	40	80	63 x 40	25	MU	

**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 <sub>1</sub>	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.