

# HSX 170 - 18000/23



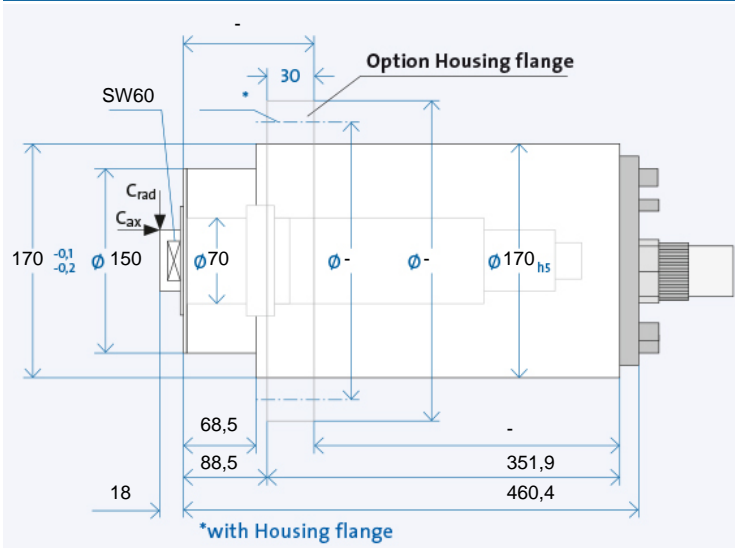
## Technical data

∅ Spindle housing	A	[mm]
Speed max.	$n_{max}$	[min <sup>-1</sup> ]
Bearing; front	$W_1$	[mm]
<b>Tool interface</b>		
∅ Flat layout	W	[mm]
<b>Static rigidity</b>		
axial	$C_{ax}$	[N/μm]
radial	$C_{rad}$	[N/μm]
<b>Motor realization</b>		
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 - 18000/23

170		
18000		
70		
D 36/68		
68		
135		
262		
200 V	350 V	460 V
600		
200	350	460
20		
25,5		
7500		
89	51	39
23		
29,3		
7500		
102	58	44

## TECHNICAL DATA



## Electrical connection

Plug type	D350	
Straight plug connection	MAC	MAC
Coil plug connector	+	+
Fixed cable XXm	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

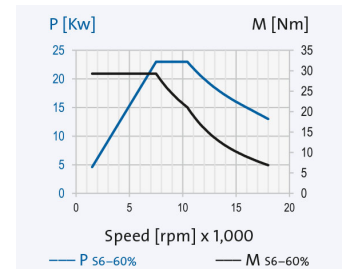
<sup>1)</sup> Minimum required starting voltage for the frequency converter.

+ Standard  
o Optional  
x Upon request

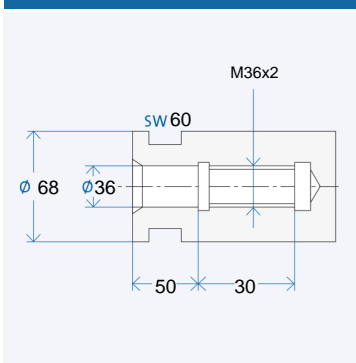
## Ordering information:

HSX 170 - 18000/23  
R is for clockwise, L for counter-clockwise  
+ Desired options

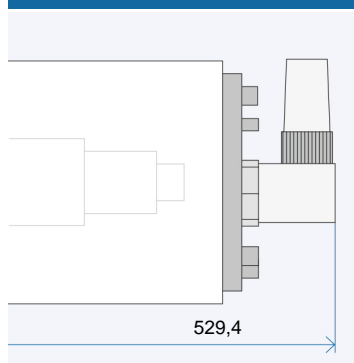
D350	MAC	MAC
+	+	+
o	o	o
o	o	o
-	-	-
x	x	x
+	+	+
o	o	o
x	x	x
o	o	o



## 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.

# HSX 170 - 18000/23

## Grinding quills

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

FIG. 1: CEMENTED (KI)

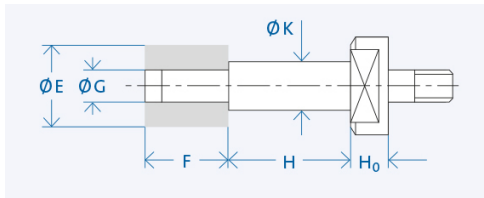


FIG. 2: WITH ADJUSTMENT SCREW (PS)

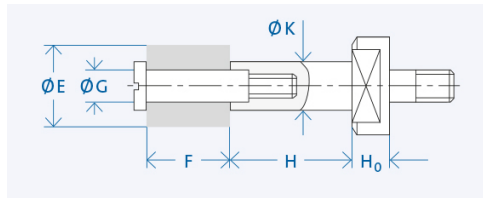
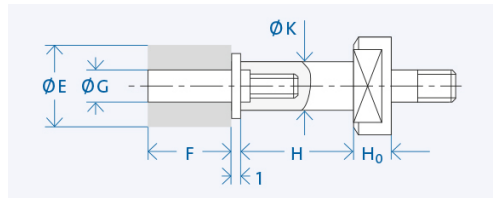
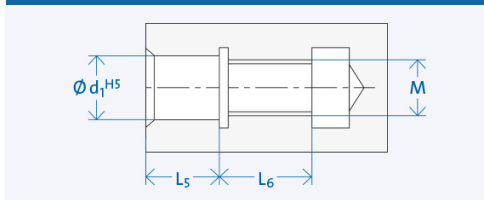


FIG. 3: FOR GRINDING WHEELS ON THREADED PIN (PL)\*



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 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.