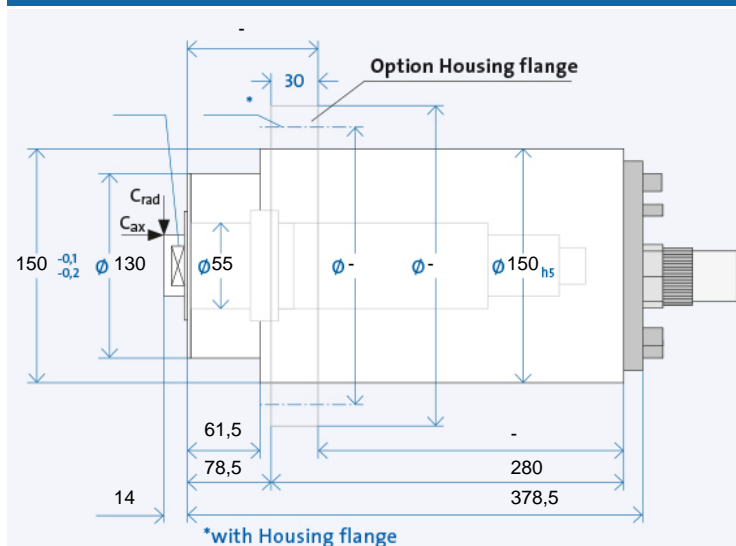


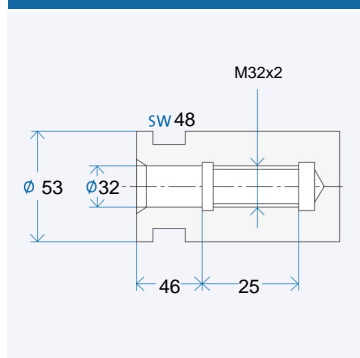
# HSX 150 - 30000/23



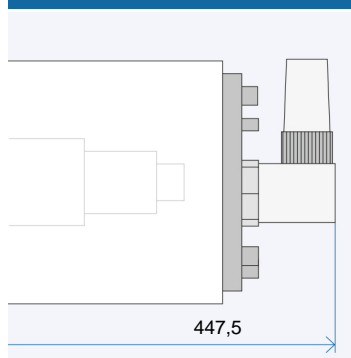
## TECHNICAL DATA



### 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 <sup>-1</sup> ]
Bearing; front	W <sub>1</sub>	[mm]
Tool interface		
ø Flat layout	W	[mm]
Static rigidity		
axial	C <sub>ax</sub>	[N/μm]
radial	C <sub>rad</sub>	[N/μm]
Motor realization		
Frequency max.	$f_{max}$	[Hz]
Converter voltage <sup>1)</sup>		[V]
Power	P <sub>S1</sub>	[kW]
Torque	M <sub>S1</sub>	[Nm]
... at speed	n	[min <sup>-1</sup> ]
Current	I <sub>S1</sub>	[A]
Power	P <sub>S6-60%</sub>	[kW]
Torque	M <sub>S6-60%</sub>	[Nm]
... at speed	n	[min <sup>-1</sup> ]
Current	I <sub>S6-60%</sub>	[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

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

+ Standard  
o Optional  
x Upon request

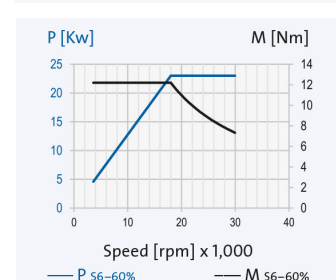
## Ordering information:

HSX 150 - 30000/23  
R is for clockwise, L for counter-clockwise  
+ Desired options

## HSX 150 - 30000/23

150		
30000		
55		
D 32/53		
53		
111		
177		
200 V	350 V	460 V
1000		
200	350	460
18		
9,55		
18000		
86	49	37
23		
12,2		
18000		
110	63	48

MAC	MAC	GA
+	+	+
o	o	o
o	o	o
Coolant feed through the shaft		
	x	
	x	
Sensors		
	x	
	+	
Housing		
	+	
	o	
	x	
	o	



# HSX 150 - 30000/23

## Grinding quills

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

FIG. 1: CEMENTED (KI)

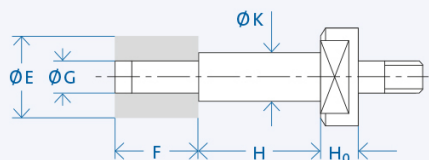


FIG. 2: WITH ADJUSTMENT SCREW (PS)

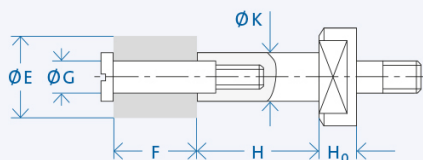
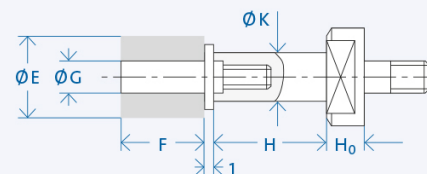
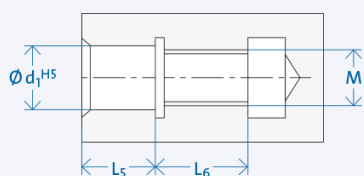


FIG. 3: FOR GRINDING WHEELS ON THREADED PIN (PL)\*



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 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.

