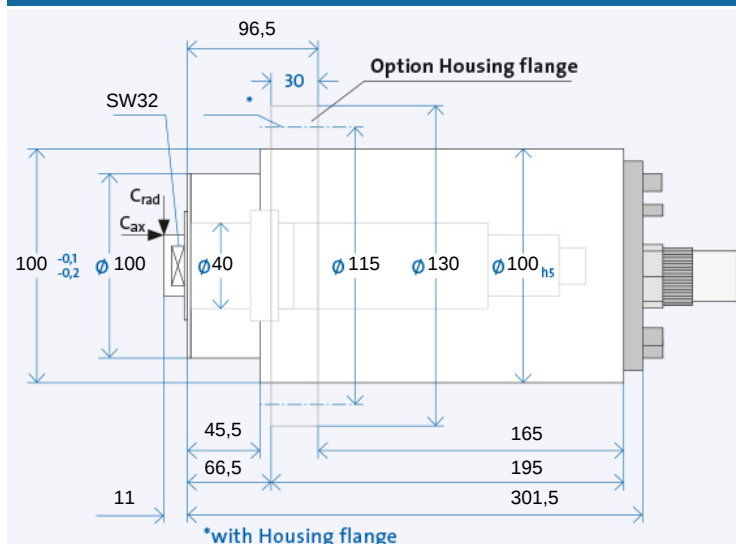


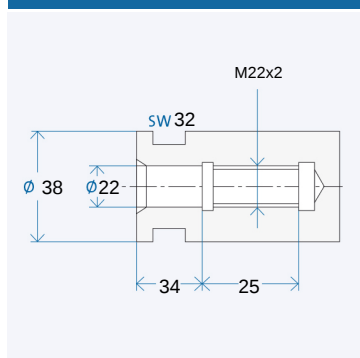
HV-X 100 - 45000/9



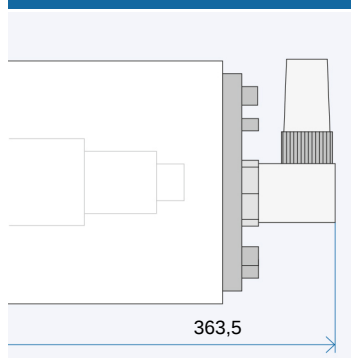
TECHNICAL DATA



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

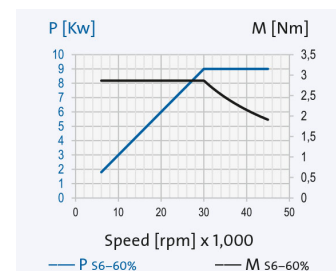
Ordering information:

HV-X 100 - 45000/9
R is for clockwise, L for counter-clockwise
+ Desired options

HV-X 100 - 45000/9

100		
45000		
40		
D 22/38		
38		
76		
85		
200 V	350 V	460 V
1500		
200	350	460
7,5		
2,39		
30000		
42	24	18
9		
2,86		
30000		
49	28	21

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



HV-X 100 - 45000/9

Grinding quills

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

FIG. 1: CEMENTED (KI)

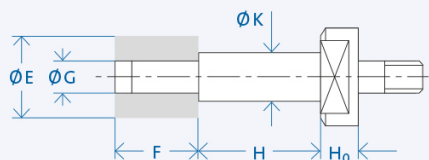


FIG. 2: WITH ADJUSTMENT SCREW (PS)

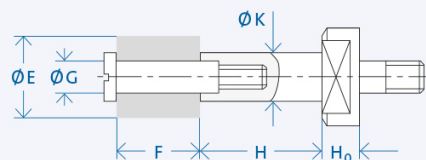
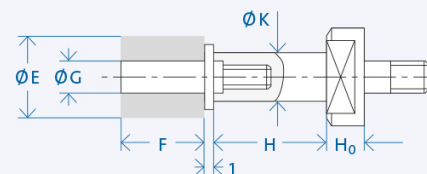
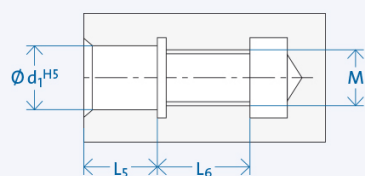


FIG. 3: FOR GRINDING WHEELS ON THREADED PIN (PL)*



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 22/38	13	32	20 x 20	8	PS/PL	12
	20	40	32 x 25	13	PS/PL	
	25	50	40 x 32	16	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 22/38	38	174

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.

