

PK



Incremental hollow shaft encoder $\varnothing 20\text{mm} \rightarrow \varnothing 110\text{mm}$

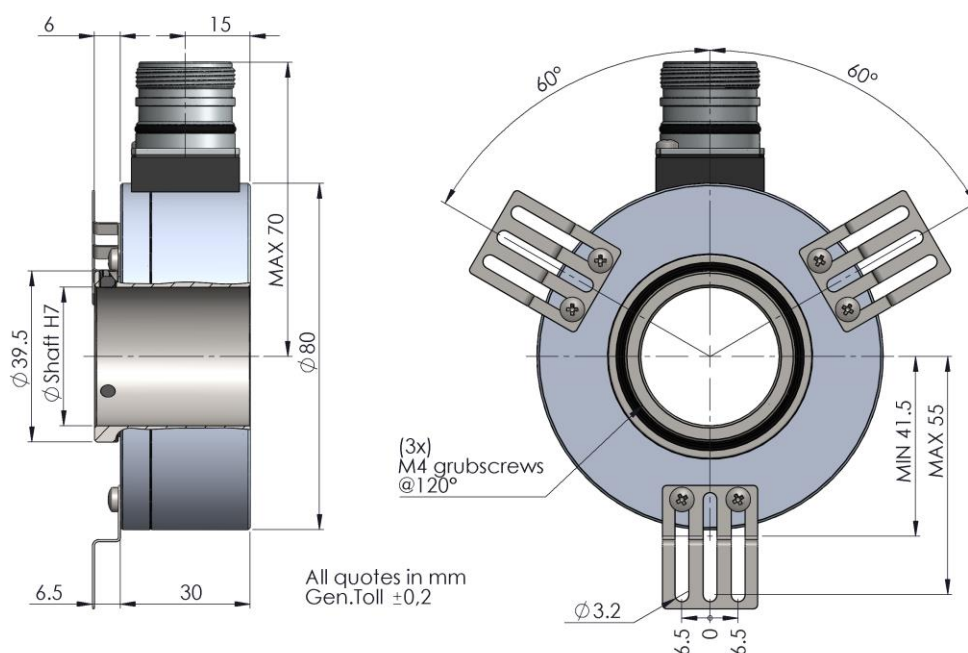
Mechanics Data

Cover : Aluminium
Body : Aluminium
Shaft : Stainless steel
Bearings : 2 ballraces
Protection: IP65
Rpm : Shaft $\leq \varnothing 55\text{mm} \rightarrow 3000 \text{ Max}$
 $\varnothing 60\text{mm} < \text{Shaft} < \varnothing 80\text{mm} \rightarrow 1200 \text{ Max}$
 $\text{Shaft} > \varnothing 80\text{mm} \rightarrow 800 \text{ Max}$
Torque: $19\text{Ncm} \rightarrow 35\text{Ncm}$
Inertia: $350 \rightarrow 500 \text{ gcm}^2$
Shaft Loading: Axi 100N - Rad 100N



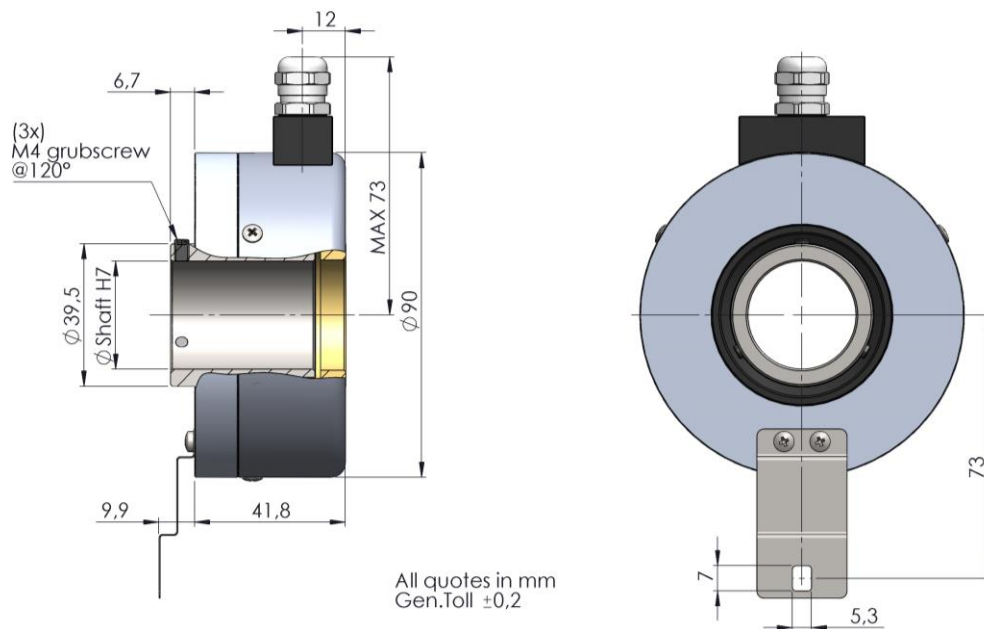
PKB* : $\varnothing 80\text{mm}$ · Shaft $\leq \varnothing 32\text{mm}$

Flange 8

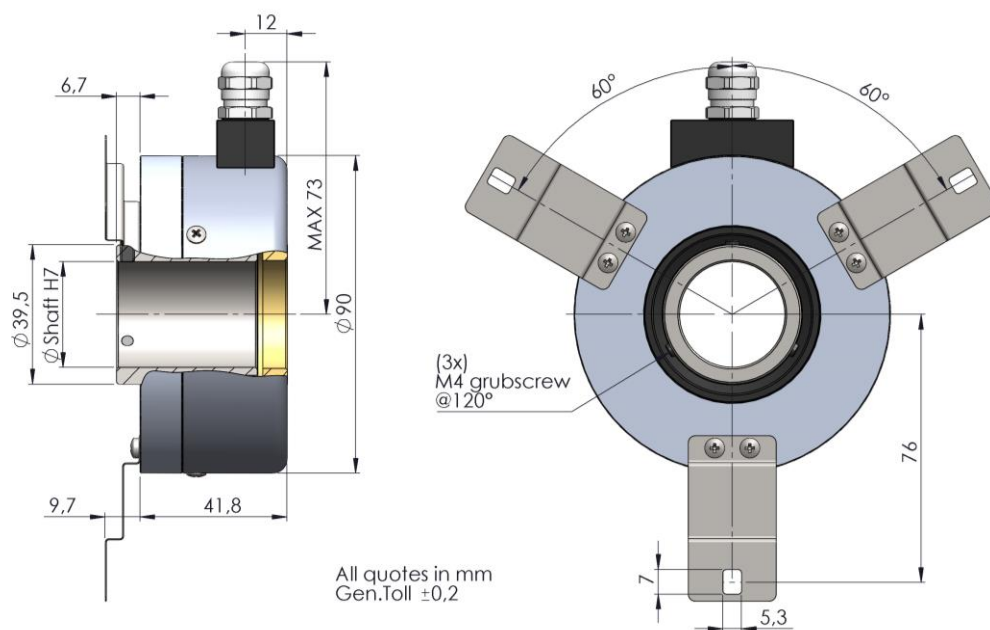


PKK : $\varnothing 90\text{mm}$ · Shaft $\leq \varnothing 42\text{mm}$

Flange 1

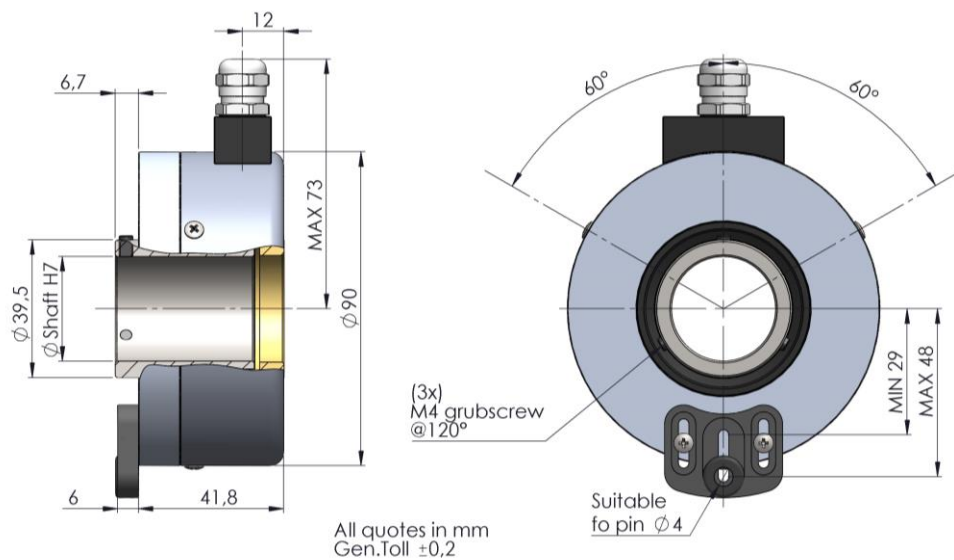


Flange 2

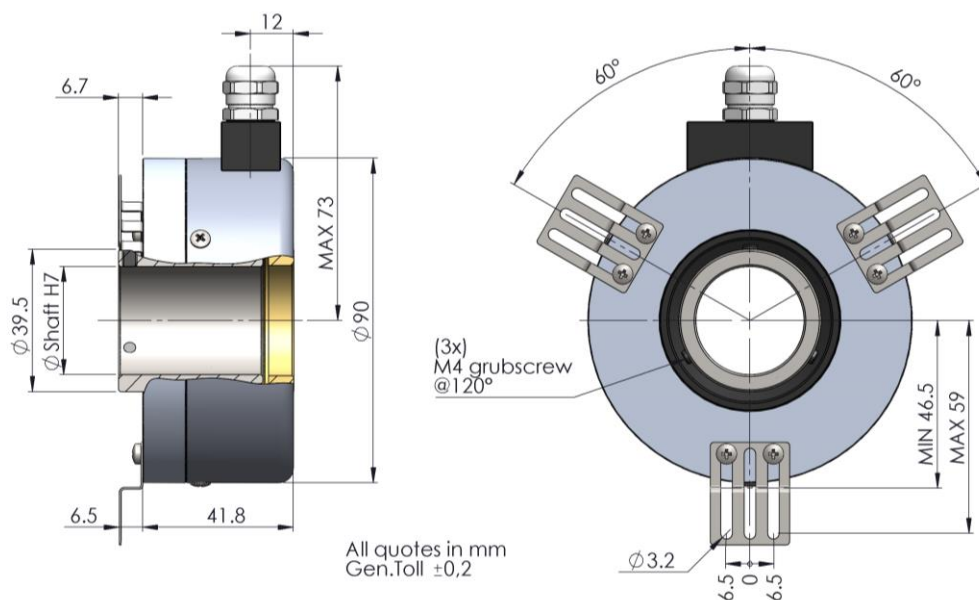


PKK : $\varnothing 90\text{mm}$ · Shaft $\leq \varnothing 42\text{mm}$

Flange 3

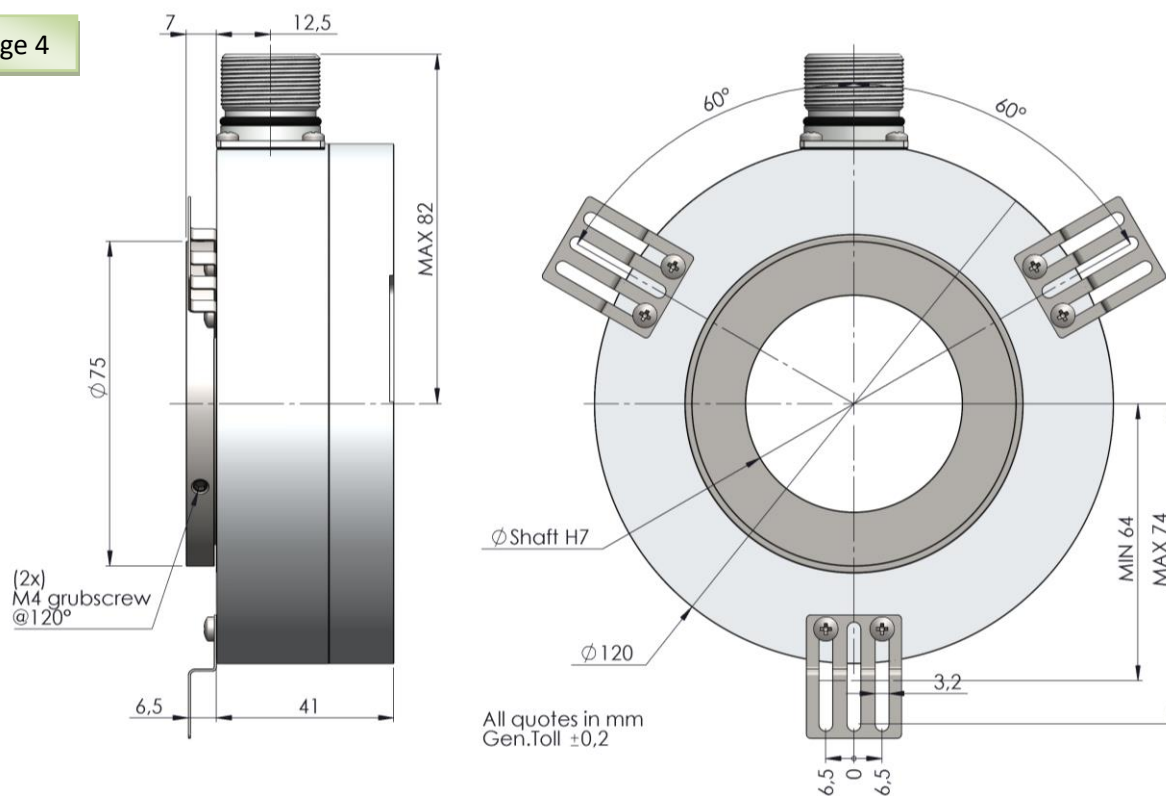


Flange 4



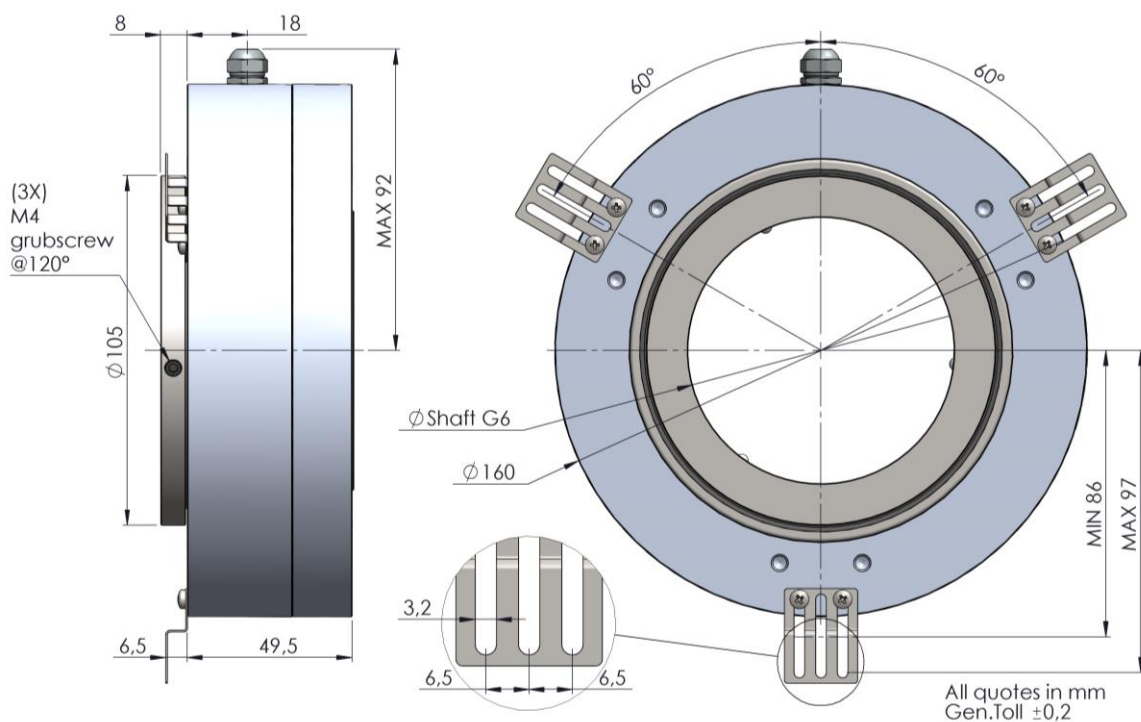
PKL : $\varnothing 120\text{mm}$ · Shaft $\leq \varnothing 50\text{mm}$

Flange 4



PKR : $\varnothing 160\text{mm}$ · Shaft $\leq \varnothing 80\text{mm}$

Flange 4



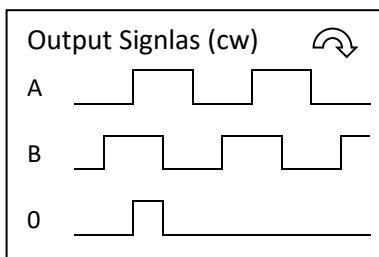
Flange 4



PK

Electronics Data

Power Supply: 5/28 Volt depends on the electronics circuit
Current consumption: 40/80mA depends on the electronics circuit
Load: 40mA
Frequency: Max 300KHz
Protections: Against short circuit, reversal polarity
Operating Temp: -20/+70°C



Ordering code

PK	*	*	*	*	**	/	****
	Shaft	Flange	Output	Connections	Option		Resolution
Ø80mm	B5 = Ø30mm B6 = Ø32mm	8	P = AB0+AB0 PP 5/28V (outputs levels compatible TTL · Low level output <0.5V · High level output > +VCC- 1,9V) C = AB0 OC11/28V H = AB0 NPN 11/28V 6 = AB0+AB0 LD5V 9 = AB0+AB0 LD5/12V T = AB0+AB0 LD15/24V(out 12V) K = AB0+AB0 LD15/24 (out 5V)	Cable 3 = Cavo Rad M23 12 P 5 = 9416 Rad M12 5P K = M12 Rad M12 8 P T = M12 Rad	0 = Nessuna /None B = Bicoeder		Max 5000
Ø90mm	K2 = Ø20mm K3 = Ø25mm K4 = Ø25,4mm K5 = Ø30mm K6 = Ø32mm K7 = Ø38mm	1 2 3 4					
Ø120mm	L2 = Ø45mm L4 = Ø50mm	4					
Ø160mm	R1 = Ø55mm R2 = Ø60mm R5 = Ø65mm R6 = Ø70mm R7 = Ø75mm R8 = Ø80mm	4					
Ø200mm	M1 = Ø85mm M2 = Ø90mm M3 = Ø100mm M4 = Ø110mm	4					



	CABLE 2mt 5x014	CABLE 2mt 8x014	M23 12 p 9416	M12 5p 94M125P	M12 8p 94M128p
0V	White	Black	1	3	7
+V	Brown	Blue	2	1	2
A	Green	Brown	3	2	1
B	Yellow	Beige	4	4	4
/A		Green	5		3
/B		Yellow	6		5
0	Gray	Pink	7	5	6
/0		Violet	8		8