

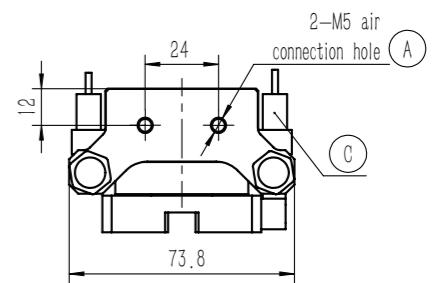
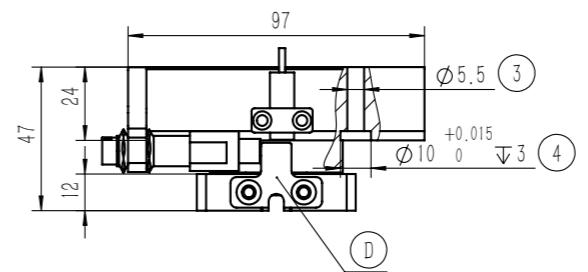
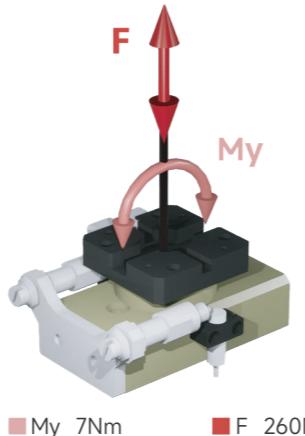
Rotary unit series FOUK-TF

TP12

TP12



Static load-bearing torque

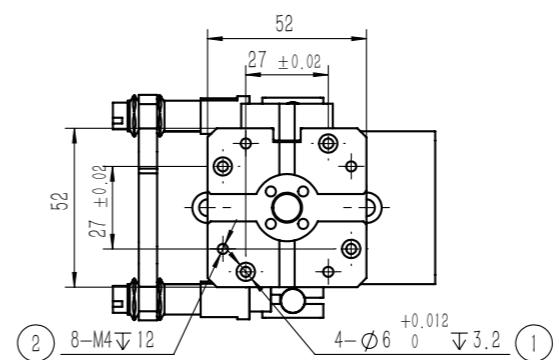


TP 12 - 180
 Serial No. Cylinder bore Rotation angle
 TP Rotating unit |
 12 90°
 |
 | 180°
 |
 | Rotation angle
 | 180°

Inductive proximity sensor

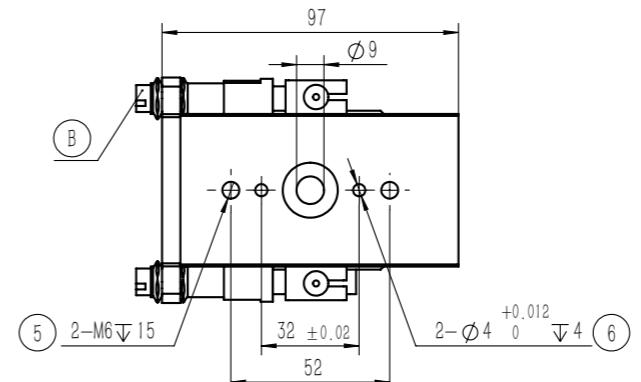
IPSD-2NS-0823-L3 Inductive, NPN, 3-core3m
 PSD-2PS-0823-L3 Inductive, PNP, 3-core3m

*Two sensors are required for each rotation unit. For the detailed monitoring of two positions, see the sensor appendix.



- (2) (3) (5) are gripper mounting holes
- (1) (4) (6) are gripper positioning holes
- (A) Compressed air connection port
- (B) Hydraulic buffer
- (C) Location of inductive proximity sensor
- (D) Hard limit

Product attributes	Parameter Value	Unit
Product Code	TP12	
Cylinder bore	12	mm
Theoretical torque	0.13 × P	N·m
Rotation angle	180	°
Product weight	0.65	kg
Allowable rotation time	0.8~2	s
Rotation time	0.4~2	sec
Maximum allowable kinetic energy	0.3	J
Sensor type	Inductive proximity sensor	
	P: Compressed air pressure [bar]	
Specification of buffer unit	M10 Hydraulic buffer	
Repeated gripping accuracy/mm	± 0.05	
Operating air pressure range/bar	3~7	
Specification of air connection port	M5	
Temperature range of application/°C	-5~60	
IP rating	65	



- Note:
1. To be used with the speed control valve
 2. The figure shows the middle position of rotation, and the gripper needs to be selected additionally.
 3. The output torque at the end position of rotation is half of the rated torque and is changed to the external limit to output the rated torque at the end position.