

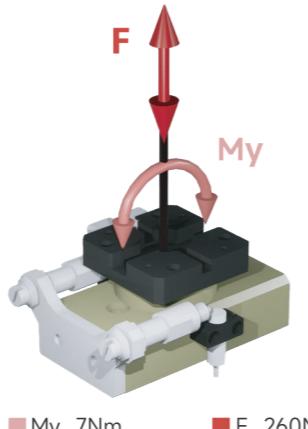
Rotary unit series FOUK-TF

TP12

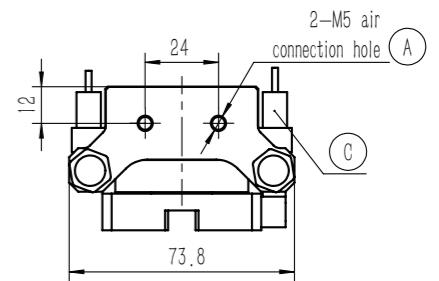
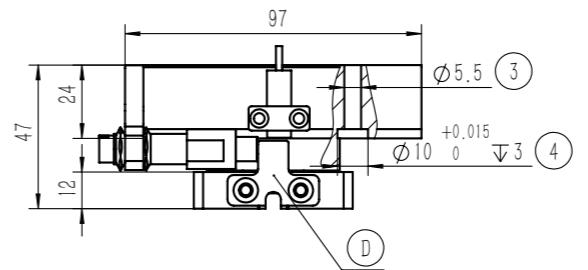
TP12



Static load-bearing torque

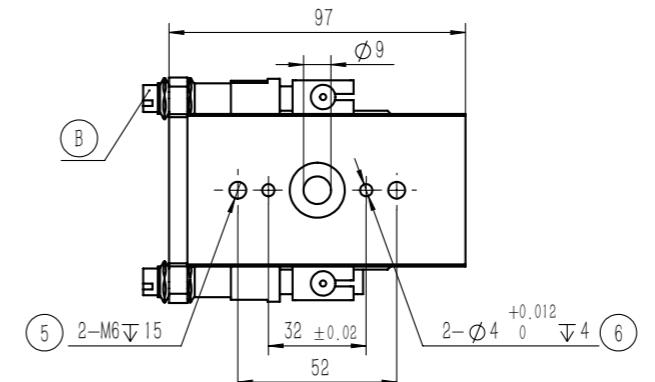
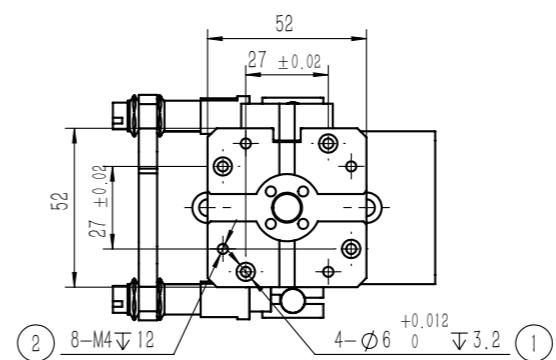


■ My 7Nm ■ F 260N



TP	12	- 180
Serial No.	Cylinder bore	Rotation angle
TP Rotating unit	12	90°
		180°
Inductive proximity sensor		
IPSD-2NS-0823-L3 Inductive, NPN, 3-core3m		
IPSD-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.		

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	Specification of air connection port	M5
Repeated gripping accuracy/mm	± 0.05	Temperature range of application/°C	-5~60
Operating air pressure range/bar	3~7	IP rating	65



- (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

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.