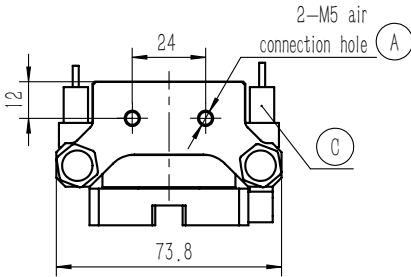
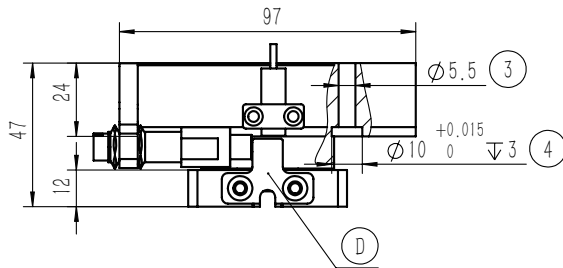
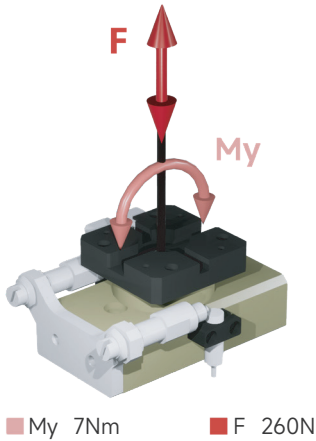
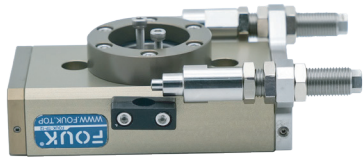


Rotary unit series FOUK-TF

TP12

TP12

Static load-bearing torque



TP12 - 180

Serial No. Cylinder bore Rotation angle

TP Rotating unit 12 180°

Rotation angle 90°

Rotation angle 180°

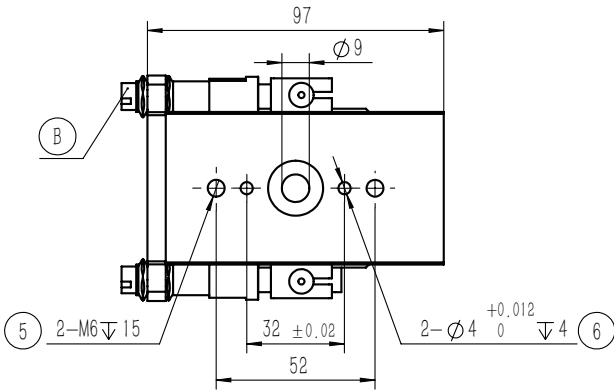
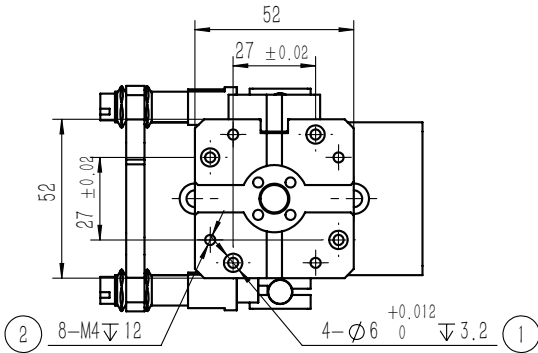
Inductive proximity sensor

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
- Ⓐ Compressed air connection port
- Ⓑ Hydraulic buffer
- Ⓒ Location of inductive proximity sensor
- Ⓓ 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.