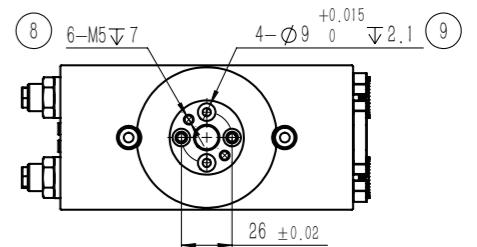
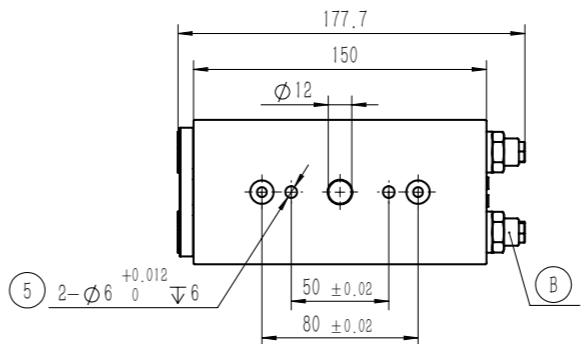


Rotary unit series FOUK-TF

TP25

TP25

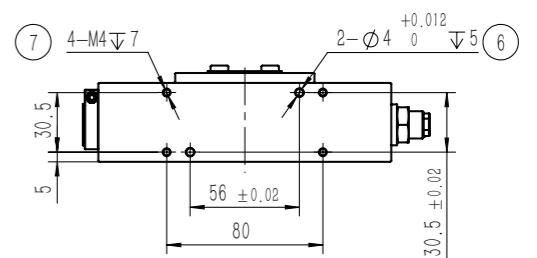
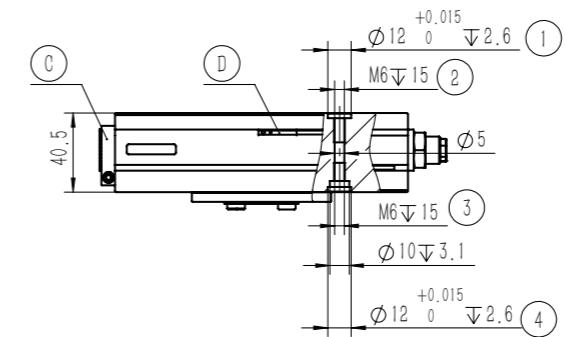
Static load-bearing torque



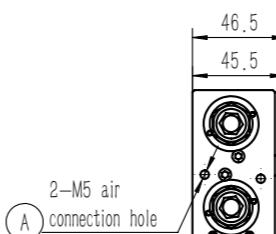
TP 25 - 90°		
Serial No.	Cylinder bore	Rotation angle
TP Rotating unit	25	Rotation angle 90°
*Two sensors are required for each rotation unit. For the detailed monitoring of two positions, see the sensor appendix.		

Magnetic proximity sensor

D-M9NAL	Magnetic, NPN, 3-core 3m
D-M9PAL	Magnetic, PNP, 3-core 3m



Product attributes	Parameter Value	Unit	
Product Code	TP25		
Cylinder bore	25	mm	
Theoretical torque	0.98 × P	N·m	
Rotation angle	90/180	°	
Adjustment range of rotation angle	± 30	°	
Product weight	1.55	kg	
Allowable rotation time	1~2	s	
Rotation time	0.5~2	sec	
Maximum allowable kinetic energy	1.4	J	
Sensor type	Magnetic proximity sensor		
P: Compressed air pressure [bar]			
Specification of buffer unit	M14 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



- ① ⑨ The pin bushing is of the standard version
- ② ③ ⑦ ⑧ are gripper mounting holes
- ① ④ ⑤ ⑥ ⑨ are gripper positioning holes
- Ⓐ Compressed air connection port
- Ⓑ Hydraulic buffer
- Ⓒ Adjustment knob for rotation limit
- Ⓓ Location of magnetic proximity sensor

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.