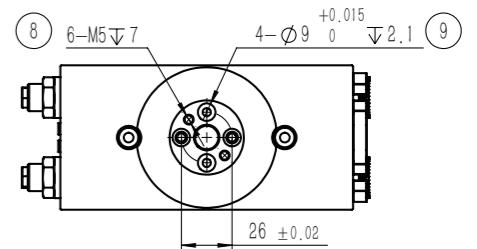
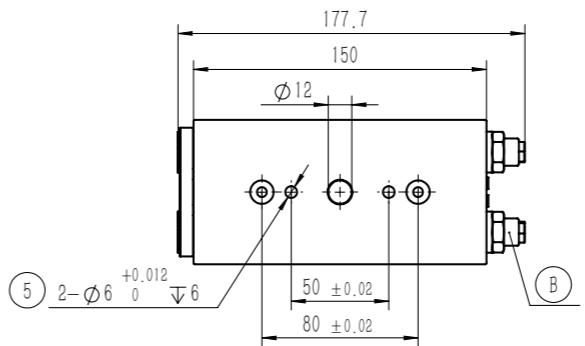
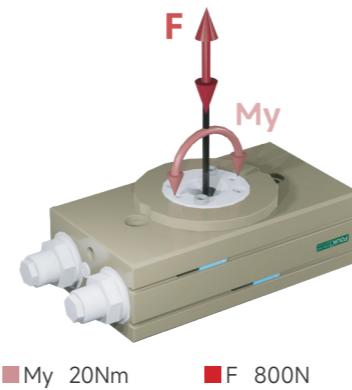


## Rotary unit series FOUK-TF

TP25

TP25

## Static load-bearing torque



**TP 25 - 90°**

Serial No. Cylinder bore Rotation angle

TP Rotating unit

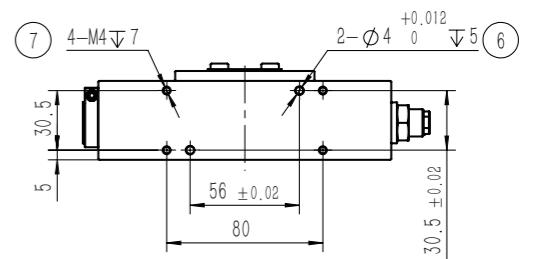
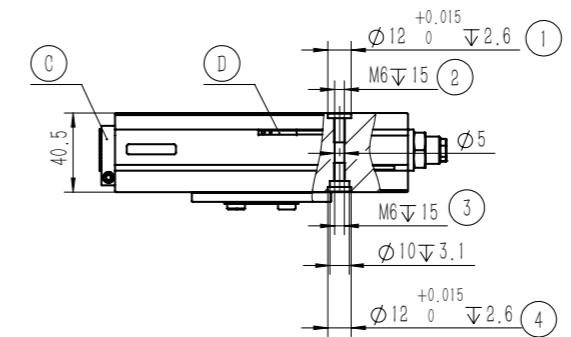
Rotation angle 90°

Rotation angle 180°

## Magnetic proximity sensor

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

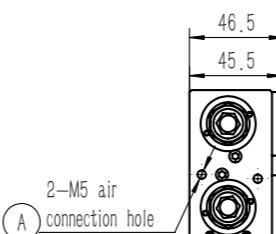
\*Two sensors are required for each rotation unit. For the detailed monitoring of two positions, see the sensor appendix.



Product attributes	Parameter Value	Unit
Product Code	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.