

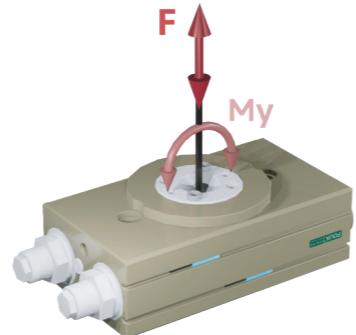
Rotary unit series FOUK-TF

TP50

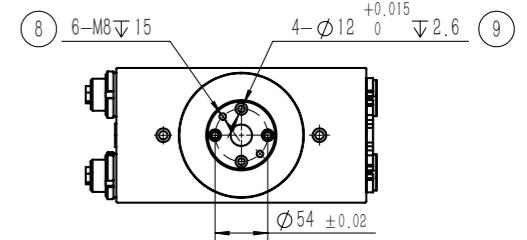
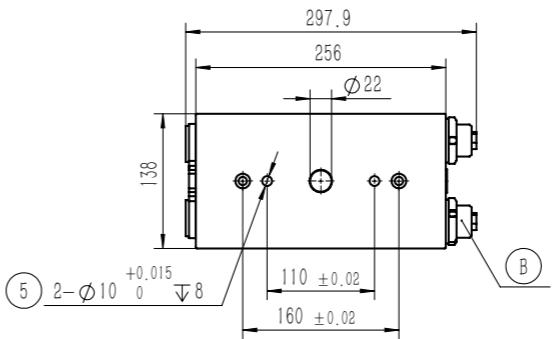
TP50



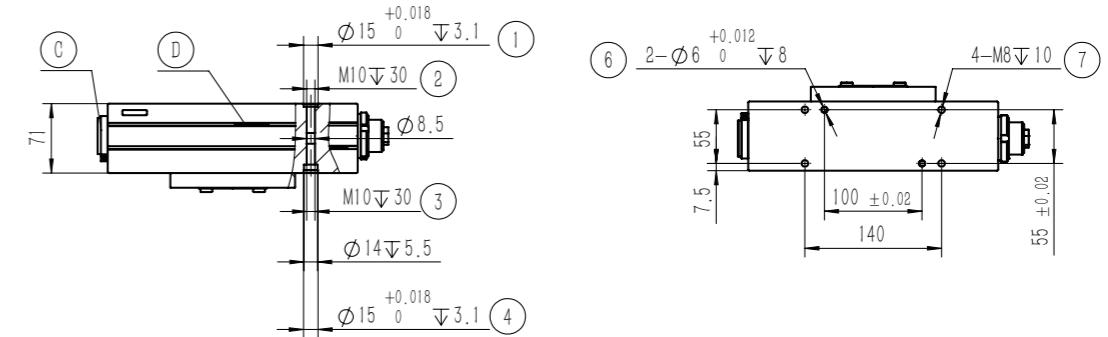
Static load-bearing torque



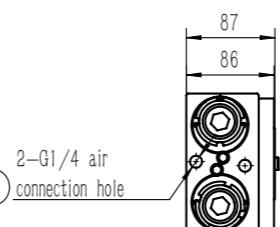
■ My 300Nm ■ F 9000N



TP 50 - 90°		
Serial No.	Cylinder bore	Rotation angle
TP Rotating unit	50	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	TP50		
Cylinder bore	50	mm	
Theoretical torque	7.07 × P	N·m	
Rotation angle	90/180	°	
Adjustment range of rotation angle	± 30	°	
Product weight	9.50	kg	
Allowable rotation time	1.5~4	s	
Rotation time	1.5~4	sec	
Maximum allowable kinetic energy	19	J	
Sensor type	Magnetic proximity sensor		
P: Compressed air pressure [bar]			
Specification of buffer unit	M33 Hydraulic buffer	Specification of air connection port	G1/4
Repeated gripping accuracy/mm	± 0.05	Temperature range of application/°C	-5~60
Operating air pressure range/bar	3~8	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
- (A) Compressed air connection port
- (B) Hydraulic buffer
- (C) Adjustment knob for rotation limit
- (D) 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.