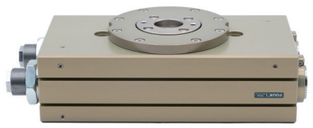
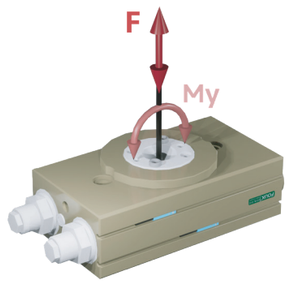
Rotary unit series FOUK-TF

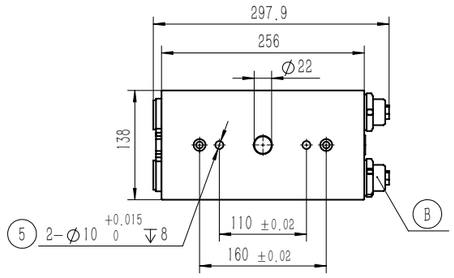
TP50

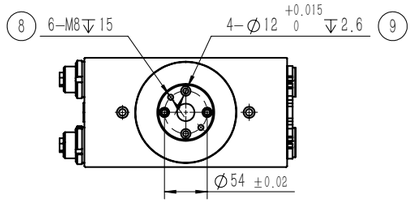


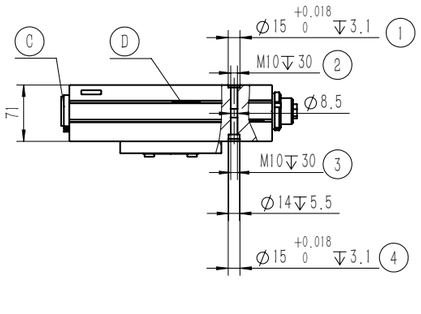
Static load-bearing torque

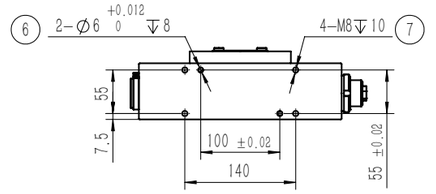


My 300Nm F 9000N









TP — Serial No.
- TP: Rotating unit

50 — Cylinder bore

90° — Rotation angle
- Rotation angle: 90°
- Rotation angle: 180°

Magnetic proximity sensor

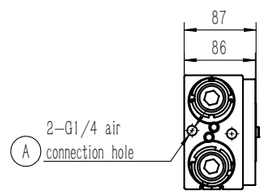
MZC2-1V7NS-FU0	Magnetic, NPN, 3-core3m
MZC2-1V7PS-FU0	Magnetic, PNP, 3-core3m

*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	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.