

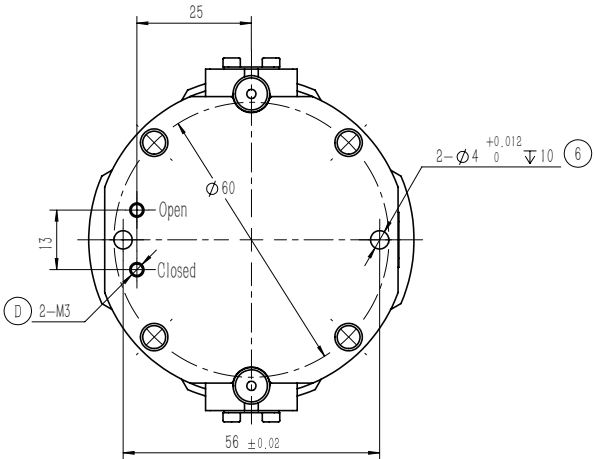
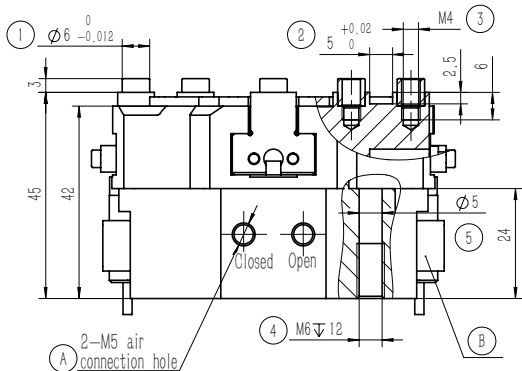
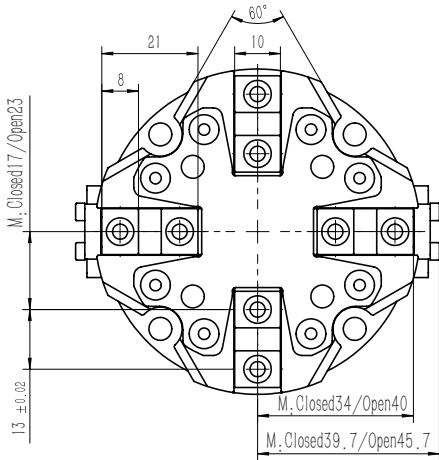
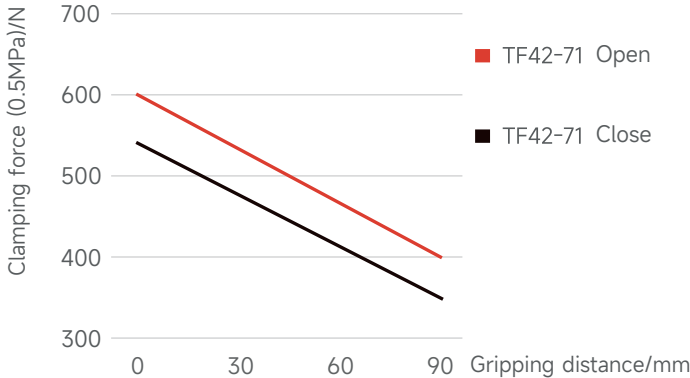
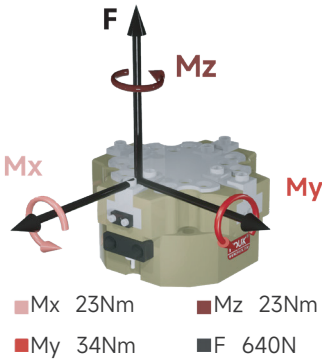
Parallel gripper long stroke series FOUK-TF

TF42-71

TF42-71

Static load-bearing torque

Gripping force curve



- ① Gripping finger location pin bushing (standard)
- ② Gripping finger positioning groove
- ③ Mounting hole of gripping finger
- ④ ⑤ ⑥ Gripper mounting hole
- ⑥ Gripper mounting and positioning
- A Compressed air connection port
- B Location of inductive proximity sensor
- C Positive-pressure air blowing hole/grease injection hole
- D Bottom ventilation hole (version-B)

TF 42 - 71 - B - C20 - H

Serial No. Cylinder bore Maximum shell diameter Ventilation at bottom Length of push rod High temperature resistance

TF Four-finger gripper

/ Ventilation on the side

C20	20.5mm
C30	30.5mm
/	Without push plate

H	-5~240°C
/	0~60°C

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 gripper. For the detailed monitoring of two positions, see the sensor appendix.

Product attributes	TF42-71	Unit
Single stroke	6	mm
Product weight	0.6	kg
Maximum allowable gripping distance	90	mm
Theoretical maximum gripping force: opening/closing	120P/108P	N
Workpiece weight	2.5	kg
Opening/closing time	0.02/0.02	s
Gas consumption of single opening and closing cycle	0.18	L
P: Compressed air pressure [bar] Gas consumption: volume of gas consumed at normal pressure (0.5MPa)		
Repeated gripping accuracy/mm	± 0.02	Specification of air connection port
Operating air pressure range/bar	3~7	Temperature range of application/°C
IP rating	40	Maximum allowable single-finger gripping weight/kg
		0.5

TF42-71-C20 Pushing

The length A of the push rod can be of the standard version or the extended version, with loading function, and the minimum thrust of the push plate is 48N.

