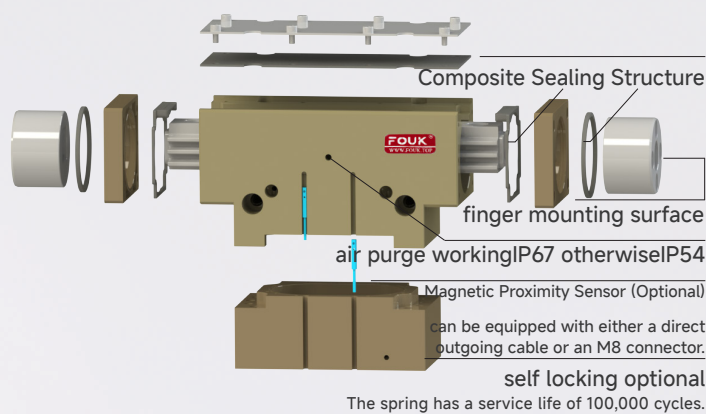


sealed gripper



IP67 class protection

This gripper series is more suitable for use in high pollution working conditions.



Composite Sealing Structure

Multiple materials are used for composite sealing, ensuring stable performance output under harsh working conditions.

Multi-Tooth Guide Rail Structure Design

Drawing on the chuck structure, the three-tooth guide rail has higher load-bearing capacity and longer service life compared with the traditional T-slot rail.

Wedge Transmission Method

Benefiting from the excellent transmission structure, it features both high load capacity and high centering accuracy.



stroke per jaw
6/13/16/30/6/8mm



work piece
1-18.9kg



product weight
0.4-12kg



models
数量: 6

TRF/TZF sealed two/ three fingers serials
FOUK-IP67 high protection

IP67 High-Protection Gripper features a composite sealing structure, offering the highest dust protection level and enabling short-term immersion in water. The toothed rail ensures strong load-bearing capacity.



IP67 serial products
instructional video

Name	Stroke per jaw/mm	Weight/kg	air purge allowable pressure/bar	workpiece weight/kg	Page
TRF28	6	0.4	0.2-0.5	1	90
TRF57	13	2.1	0.2-0.5	5	92
TRF72	16	3.7	0.2-0.5	7.8	94
TRF117	30	12	0.2-0.5	18.9	96
TZF42	6	0.7	0.2-0.5	2.6	98
TZF55	8	1	0.2-0.5	4.5	100

P: Compressed air pressure [bar]

Gas consumption: volume of gas consumed at normal pressure(0.5MPa)

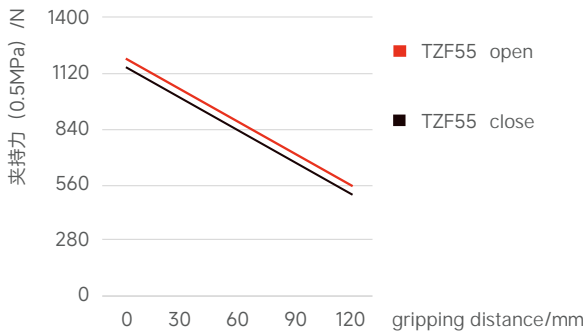
IP67 sealed serial FOUK-TZF

TZF55

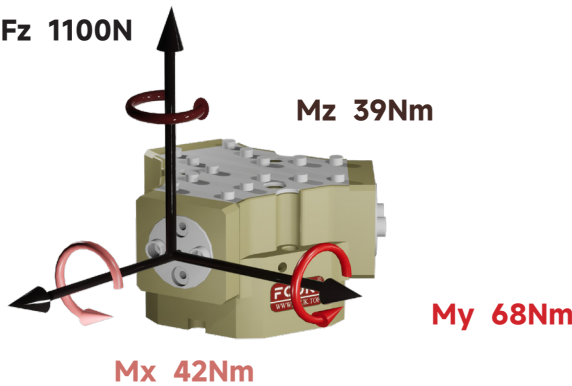
TZF55



gripping force curve



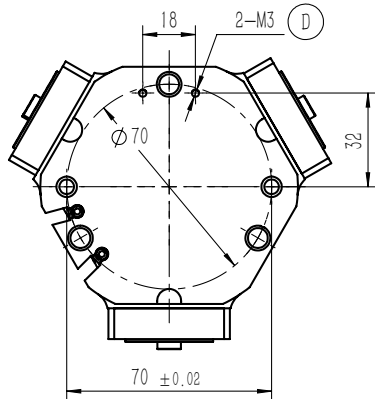
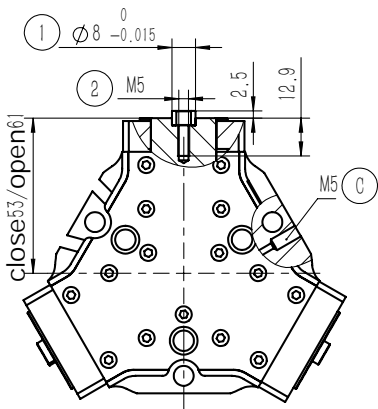
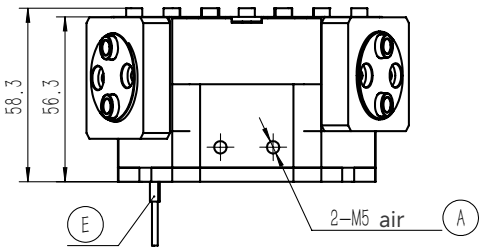
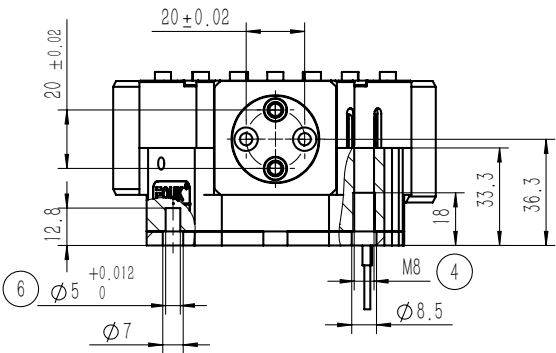
Static Bearing Torque



Specification	TZF55	Unit
stroke per jaw	8	mm
product weight	1	kg
max gripping distance	80	mm
Theoretical Max. Gripping Force: Opening/Closing	230P/200P	N
Air Consumptionper Opening-Closing Cycle	0.37	L
air purge allowable pressure	0.2~0.5	bar
work piece weight	4.5	kg
opening/cosing time	0.05/0.05	s

max per finger weight/kg	0.5	air connection feature	M5
repeat accuracy/mm	± 0.02	temperature range/°C	-5~60
air pressure range/bar	3~8	IP class	67

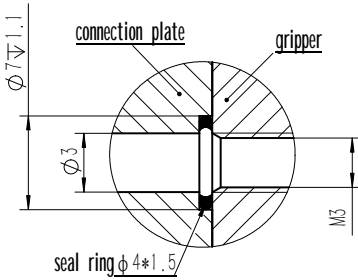
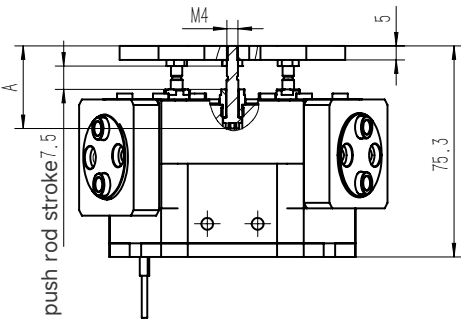
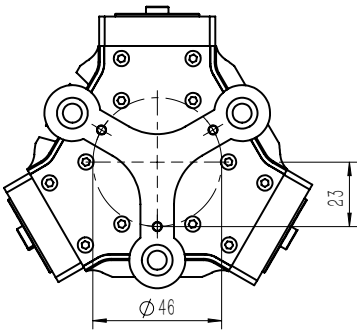
air purge working can reach IP67
otherwise IP54



TZF55-C29

TZF55 hose free airconnection

Push Rod Length A: 29.5mm, Feeding Function,
Minimum Thrust of Push Plate: 15N



- ① Finger Locating Pin Bushing (Standard)

② finger mounting hole

④ gripper mounting hole

⑥ mounting locating pin hole
- Ⓐ air connection

Ⓒ air purge/grease injection

Ⓓ Hose free connection(B version)

Ⓔ Magnetic Proximity Sensor Position

Note: To achieve IP67 protection, the positive pressure air purgeⒸmust be continuously supplied with compressed air at 0.02~0.05 MPa;otherwise, only IP54 protection is available.