

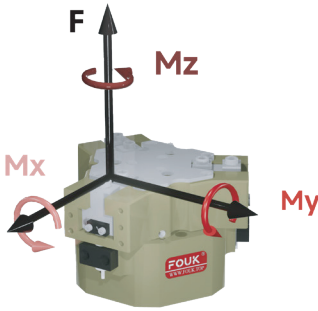
Three-finger gripper long stroke series FOUK-TZL

TZ55-113-L

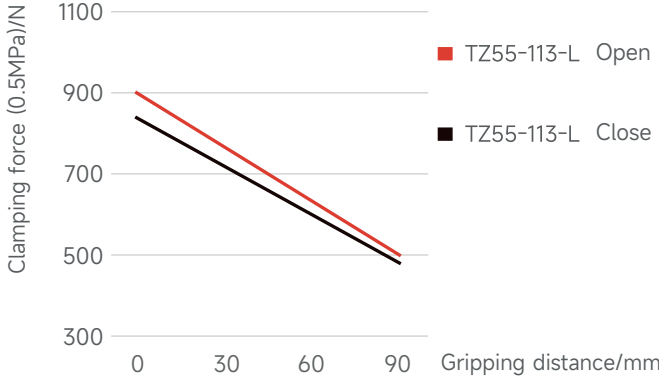
TZ55-113-L

Static load-bearing torque

Gripping force curve



Mx 45Nm Mz 40Nm
My 72Nm F 1100N



TZ 55 - 113 - L - B - C28 - P - H

Serial No.	Cylinder bore	Maximum shell diameter	Stroke extension	Ventilation at bottom	Length of push rod	Dust cover IP64	High temperature resistance
TZ T-shaped three-finger gripper				/ Ventilation on the side	C28 28mm C38 38mm / Without push plate	/ Without dust cover	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

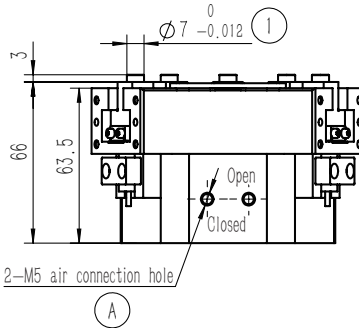
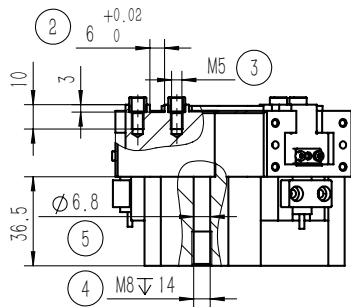
*Two sensors are required for each gripper. For the detailed monitoring of two positions, see the sensor appendix.

Product attributes	TZ55-113-L	Unit
Single stroke	15	mm
Product weight	1.3	kg
Maximum allowable gripping distance	90	mm
Theoretical maximum gripping force: opening/closing	180P/168P	N
Workpiece weight	4.5	kg
Opening/closing time	0.1/0.1	s
Gas consumption of single opening and closing cycle	0.6	L

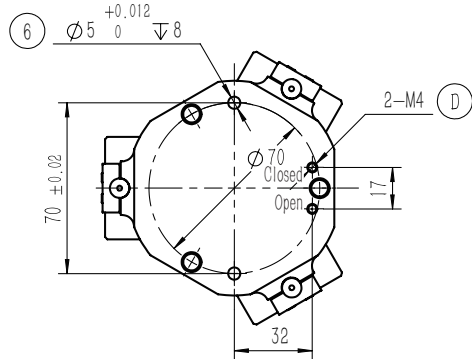
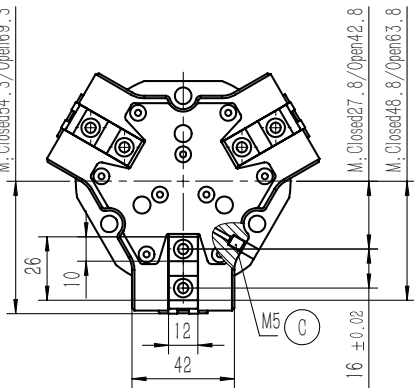
P: Compressed air pressure [bar]

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

Repeated gripping accuracy/mm	± 0.02	Specification of air connection port	M5
Operating air pressure range/bar	3~7	Temperature range of application/°C	-5~60
IP rating	40	Maximum allowable single-finger gripping weight/kg	0.6



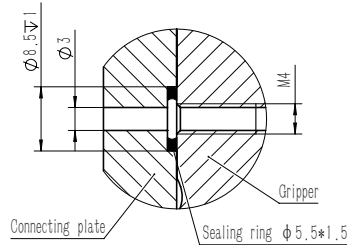
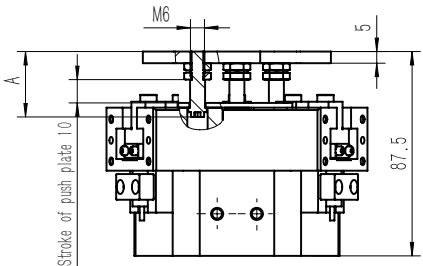
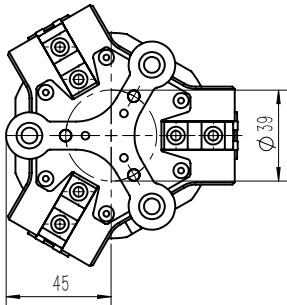
- 1 Gripping finger location pin bushing (standard)
- 2 Gripping finger positioning groove
- 3 Mounting hole of gripping finger
- 4 5 6 Gripper mounting hole
- 6 Gripper positioning hole
- A Compressed air connection port
- B Location of inductive proximity sensor
- C Positive-pressure air blowing hole/grease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



TZ55-113-L-C28 Pushing

TZ55-113-L-B Ventilation at bottom

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 12N. If it is dust-proof and provided with the push plate, the stroke is 5.5.



TZ55-113-L-P Dust-proof

Dust-proof module, IP64 for the positive-pressure air blowing hole after it, is connected to the compressed air of 0.05-0.10MPa, otherwise, IP50

