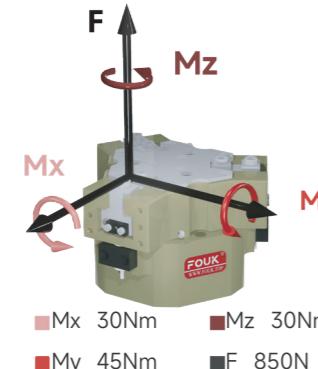


Three-finger gripper long stroke series FOUK-TZL

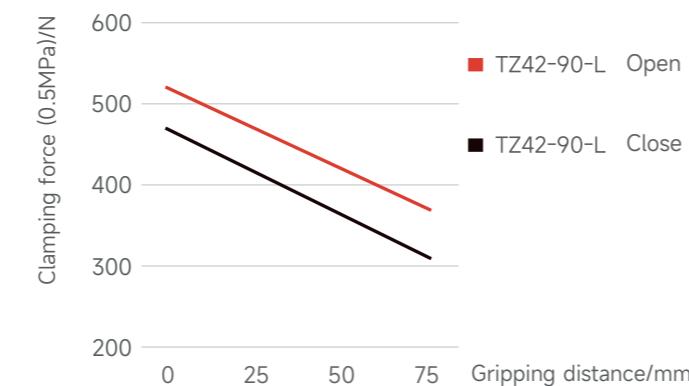
TZ42-90-L

TZ42-90-L

Static load-bearing torque



Gripping force curve



TZ 42 - 90 - L - B - C20 - 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 42mm 90mm L Ventilation on the side C20 20.5mm / Without dust cover H -5~240°C

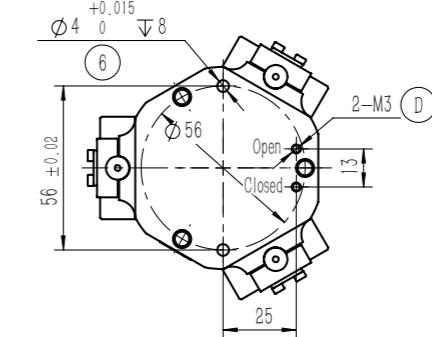
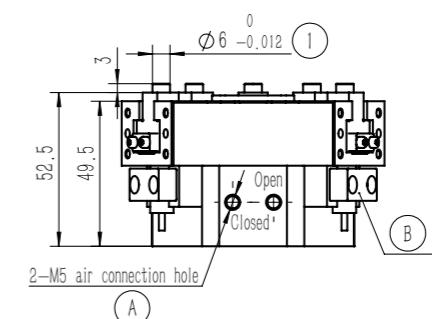
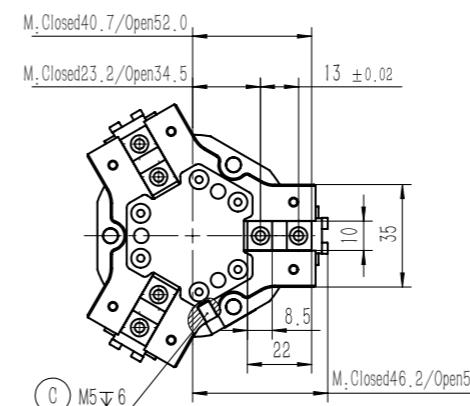
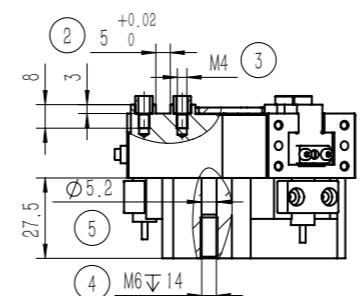
C30 30.5mm / Without push plate / Without push plate / Without push plate M. Closed40.7/Open52.0 13 ±0.02

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.

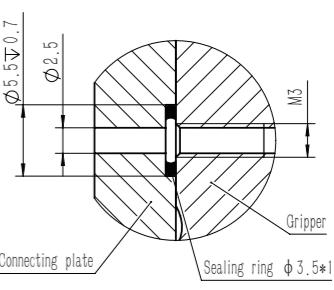
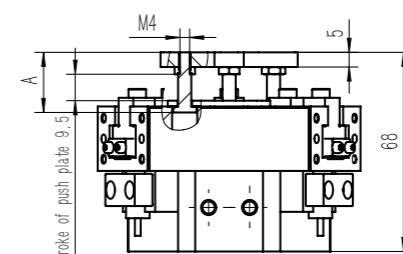
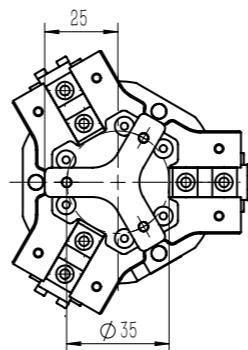
Product attributes	TZ42-90-L		Unit
Single stroke	11		mm
Product weight	0.7		kg
Maximum allowable gripping distance	75		mm
Theoretical maximum gripping force: opening/closing	104P/94P		N
Workpiece weight	2.5		kg
Opening/closing time	0.06/0.06		s
Gas consumption of single opening and closing cycle	0.25		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	0.35



- 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)

TZ42-90-L-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 15N. If it is dust-proof and provided with the push plate, the stroke is 6.5.



TZ42-90-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

