

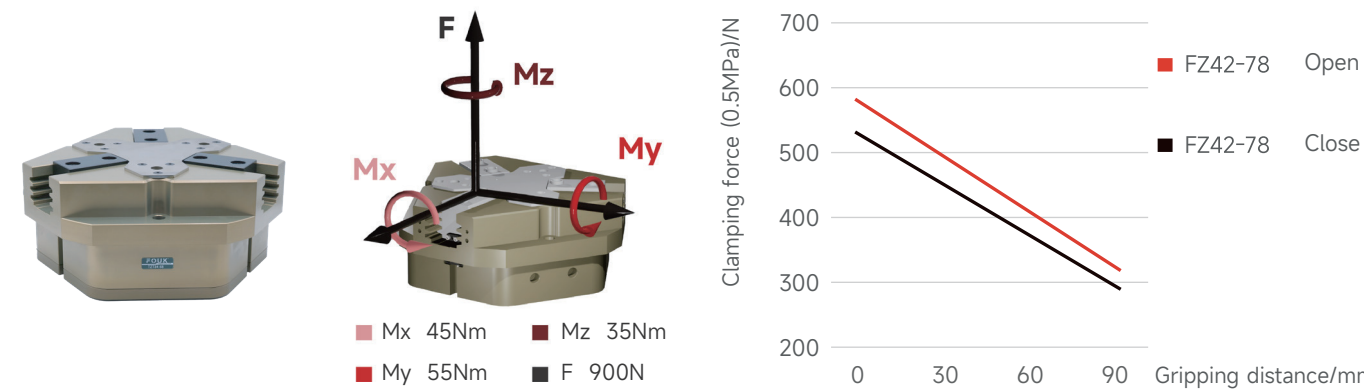
Toothed three-finger gripper series FOUK-FZ

FZ42-78

FZ42-78

Static load-bearing torque

Gripping force curve



FZ 42 - 78 - B - C20 - P - NO - H

Serial No. FZ Toothed three-finger gripper

Cylinder bore 42mm

Maximum shell diameter 78mm

Ventilation at bottom / Ventilation on the side

Length of push rod C20 20.5mm, C30 30.5mm, / Without push plate

Dust cover IP64 / Without dust cover

Self-locking form NO Self-locking by opening, NC Self-locking by closing, / Without self-locking

High temperature resistance H -5~240°C, / 0~60°C

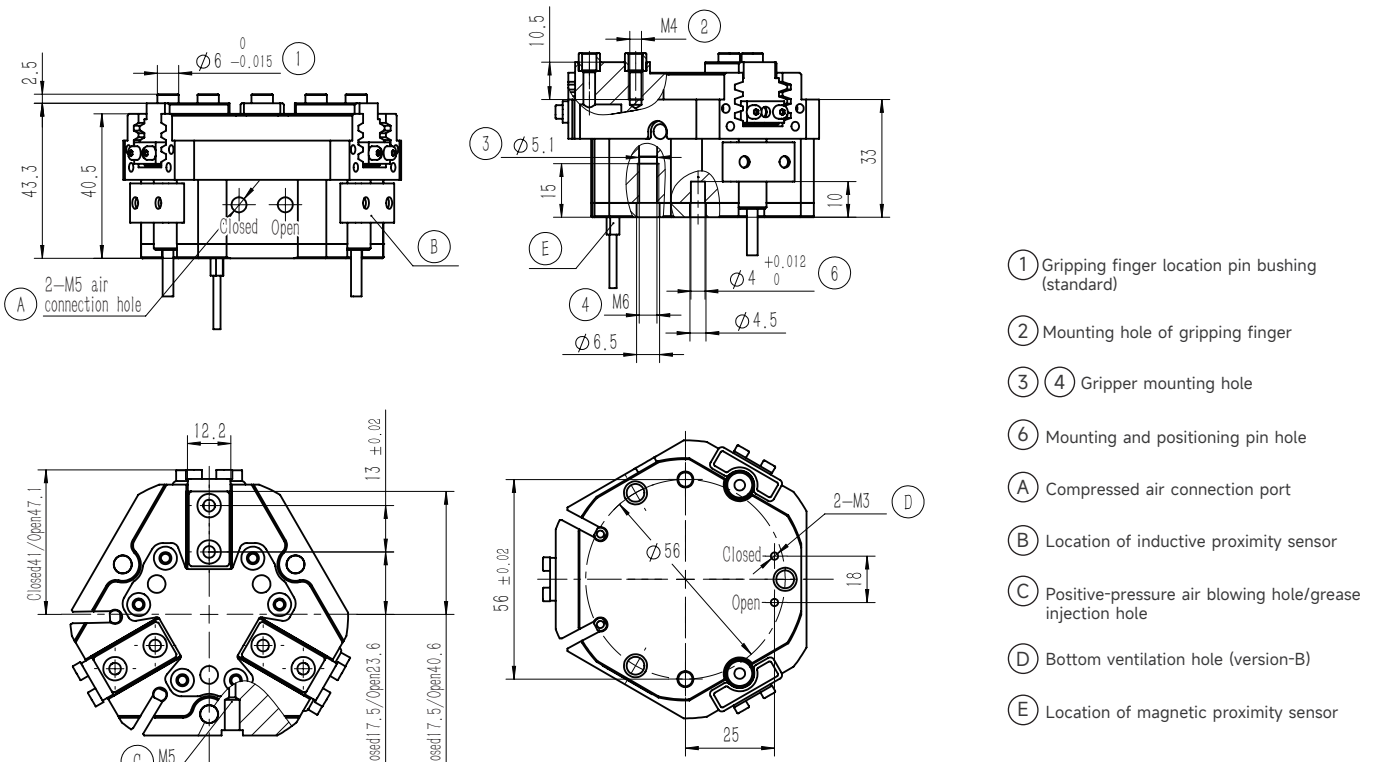
Inductive proximity sensor: IPSD-2NS-0823-L3 Inductive, NPN, 3-core3m; IPSD-2PS-0823-L3 Inductive, PNP, 3-core3m

Magnetic proximity sensor: MZC2-1V7NS-FU0 Magnetic, NPN, 3-core3m; MZC2-1V7PS-FU0 Magnetic, PNP, 3-core3m

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

Product attributes	FZ42-78	FZ42-78-NO	FZ42-78-NC	Unit
Single stroke	6	6	6	mm
Product weight	0.51	0.61	0.62	kg
Maximum allowable gripping distance	90	90	90	mm
Theoretical maximum gripping force: opening/closing	116P/106P	116P/-	-/106P	N
Gas consumption of single opening and closing cycle	0.14	0.25	0.18	L
Minimum Spring Locking Force		230	230	N
Workpiece weight	3	3	3	kg
Opening/closing time	0.03/0.03	0.02/0.04	0.04/0.02	s

Maximum allowable single-finger gripping weight/kg	0.35	Specification of air connection port	M5
Repeated gripping accuracy/mm	± 0.02	Temperature range of application/°C	-5~60
Operating air pressure range/bar	3~8	IP rating	40

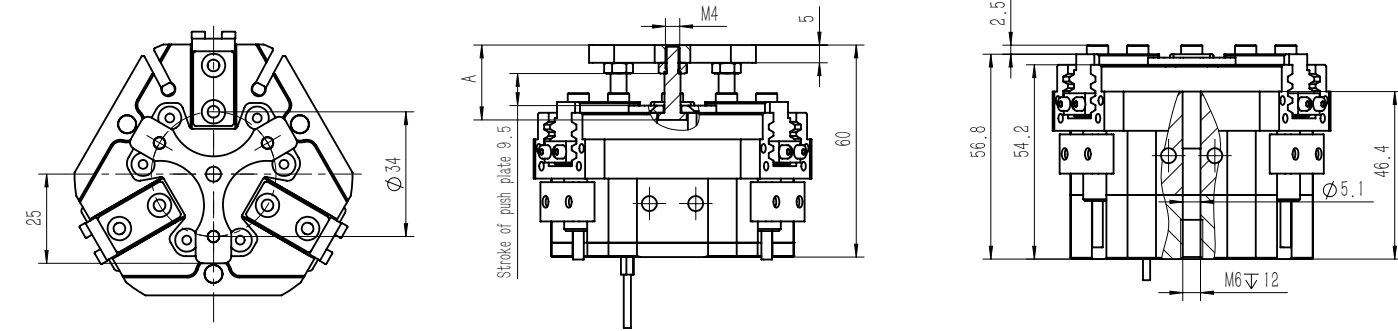


FZ42-78-C20 Pushing

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 5.5.

FZ42-78-NC/NO Self-locking

Built-in spring, mechanical self-locking



FZ42-78-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

FZ42-78-B Ventilation at bottom

