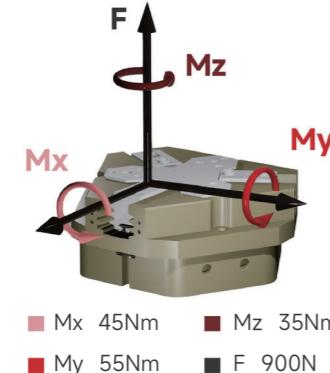


## Toothed three-finger gripper series FOUK-FZ

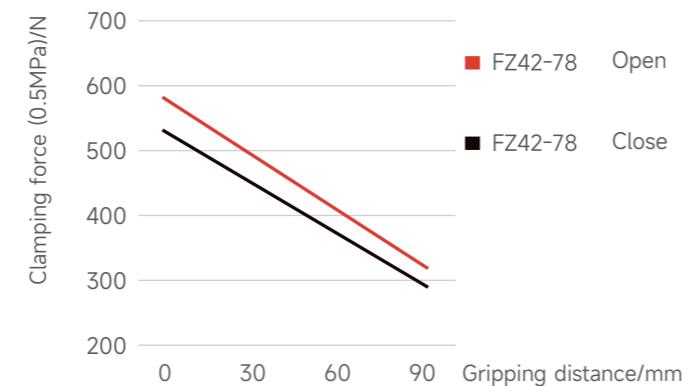
## FZ42-78

## 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

Maximum shell diameter

Ventilation at bottom

/ Ventilation on the side

Length of push rod

C20 20.5mm

/ 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

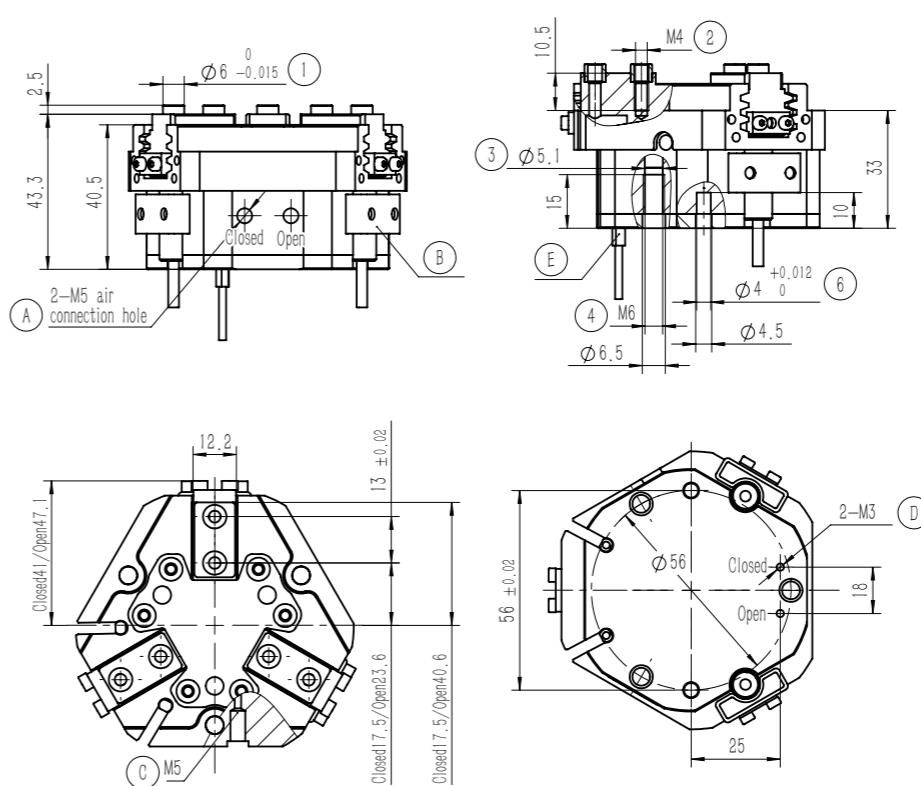
IPSD-2NS-0823-L3	Inductive, NPN, 3-core3m
IPSD-2PS-0823-L3	Inductive, PNP, 3-core3m

## Magnetic proximity sensor

D-M9NAL	Magnetic, NPN, 3-core3m
D-M9PAL	Magnetic, PNP, 3-core3m

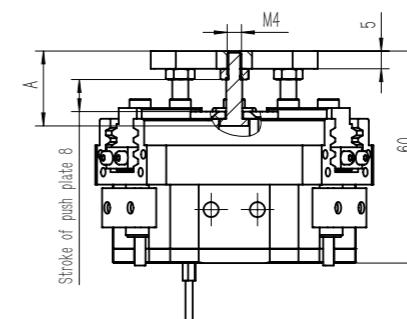
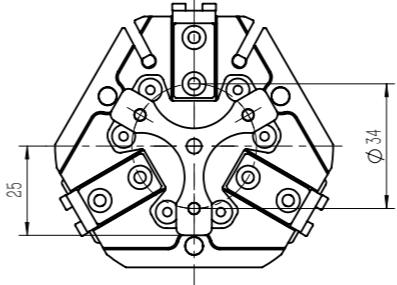
\*Two sensors are required for each gripper. For the detailed monitoring of two positions, see the sensor appendix.

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
P: Compressed air pressure [bar] Gas consumption: volume of gas consumed at normal pressure (0.5MPa)				
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		



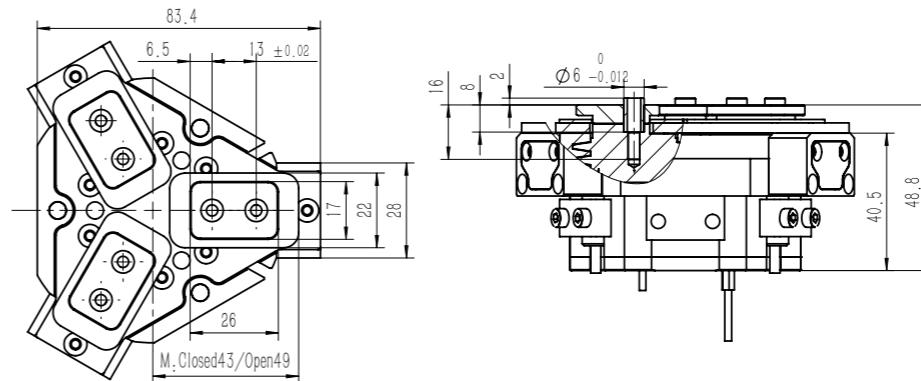
## FZ42-78-C20 Pushing

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.



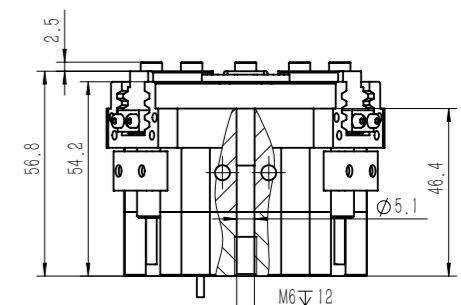
## FZ42-78-P Dust-proof

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-NC/NO Self-locking

Built-in spring, mechanical self-locking



## FZ42-78-B Ventilation at bottom

