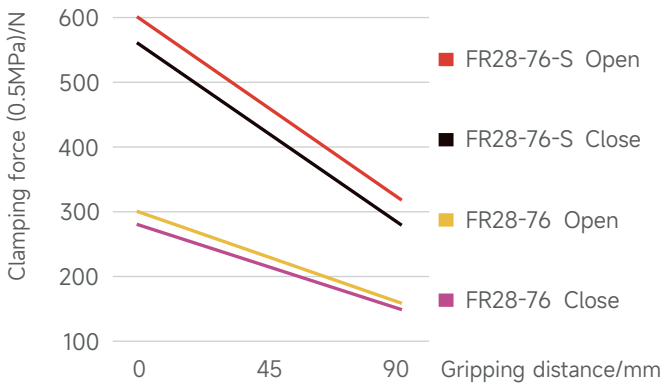
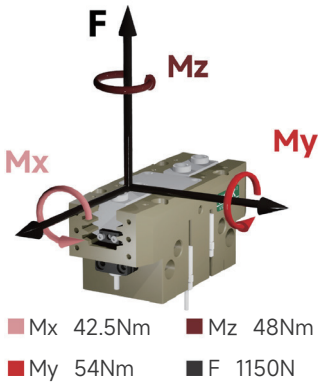
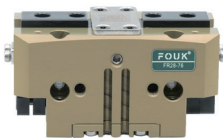


Toothed parallel gripper series FOUK-FR

FR28-76

Static load-bearing torque

Gripping force curve



FR 28 - 76 - S - B - P - NO - H

Serial No.	Cylinder bore	Shell length	Short stroke	Ventilation at bottom	Dust cover IP64	Self-locking form	High temperature resistance
FR Toothed parallel gripper			S Increased gripping force Standard version M	/ Ventilation on the side	/ Without dust cover	NO Self-locking by opening NC Self-locking by closing / Without self-locking	H -5~240°C / 0~60°C

Inductive proximity sensor

IPSD-2NS-0818-L3	Inductive, NPN, 3-core3m
IPSD-2PS-0818-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.

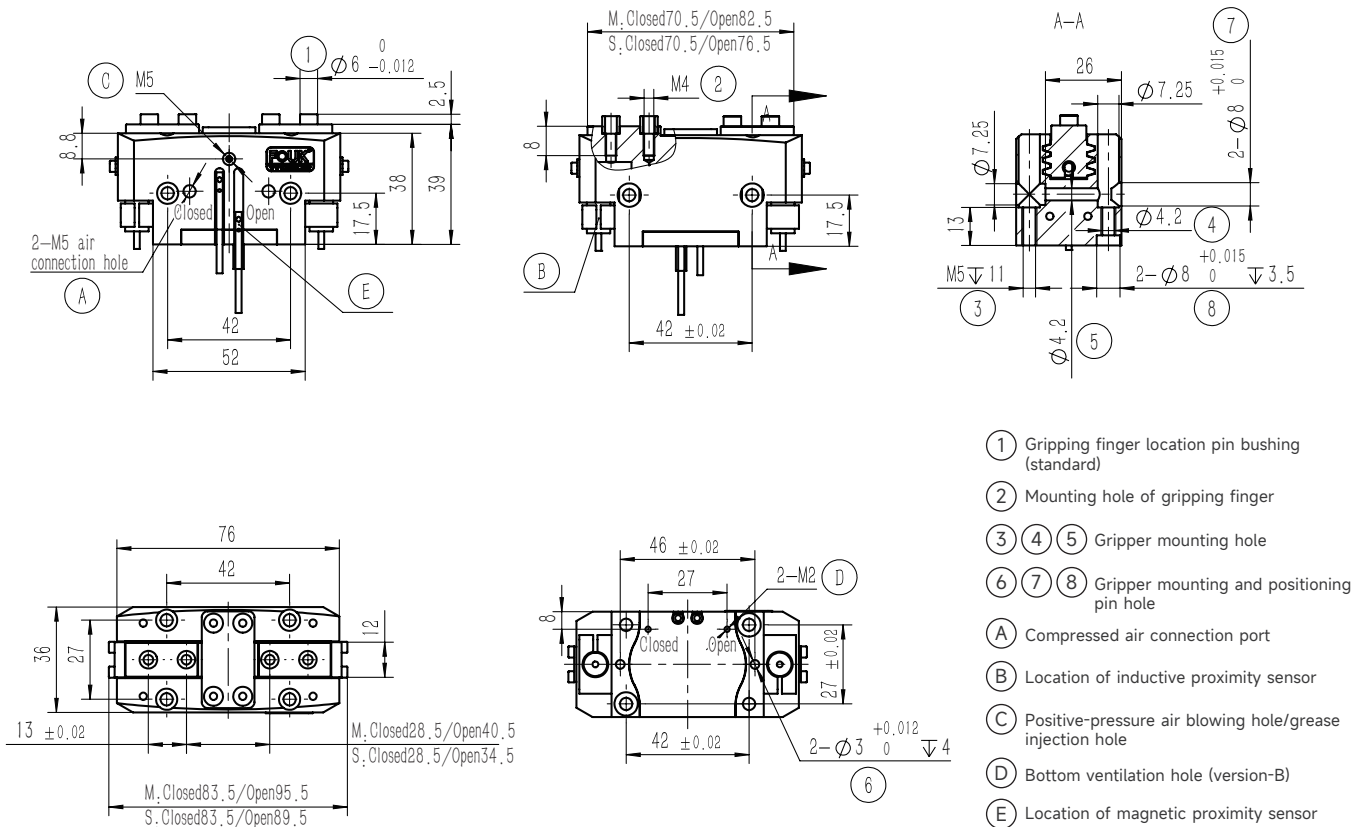
Product attributes	FR28-76	FR28-76-NO	FR28-76-NC	FR28-76-S	FR28-76-S-NO	FR28-76-S-NC	Unit
Single stroke	6	6	6	3	3	3	mm
Product weight	0.3	0.35	0.35	0.3	0.35	0.35	kg
Maximum allowable gripping distance	90	90	90	80	80	80	mm
Theoretical maximum gripping force: opening/closing	60P/55P	60P/-	-/55P	120P/110P	120P/-	-/110P	N
Minimum Spring Locking Force		120	120		240	240	N
Workpiece weight	1.5	1.5	1.5	3.2	3.2	3.2	kg
Opening/closing time	0.02/0.02	0.02/0.04	0.04/0.02	0.02/0.02	0.02/0.04	0.04/0.02	s
Gas consumption of single opening and closing cycle	0.056	0.095	0.095	0.056	0.095	0.095	L

P: Compressed air pressure [bar]

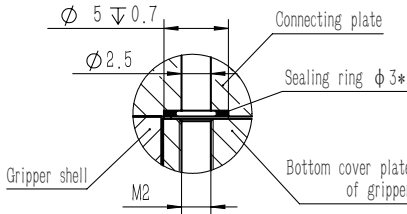
Gas consumption: volume of gas consumed at normal pressure (0.5MPa)

Repeated gripping accuracy/mm	± 0.02	Specification of air connection port	M5
Operating air pressure range/bar	3~8	Temperature range of application/°C	-5~60
IP rating	40	Maximum allowable single-finger gripping weight/kg	0.4

FR28-76-M/S

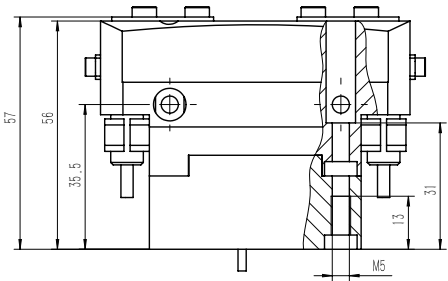


FR28-76-B Ventilation at bottom



FR28-76-NC/NO Self-locking

Built-in spring, mechanical self-locking



FR28-76-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

