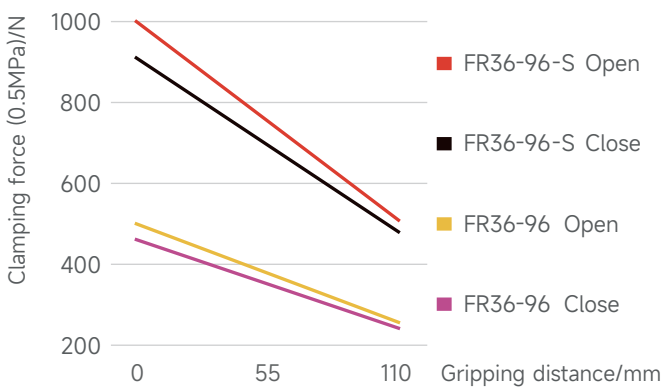
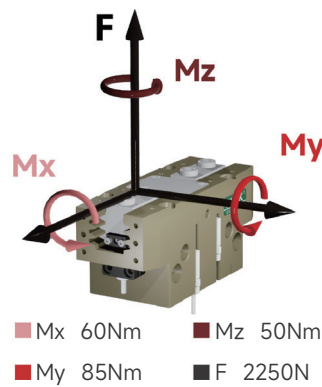


Toothed parallel gripper series FOUK-FR

FR36-96

Static load-bearing torque

Gripping force curve



FR 36 - 96 - 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-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.

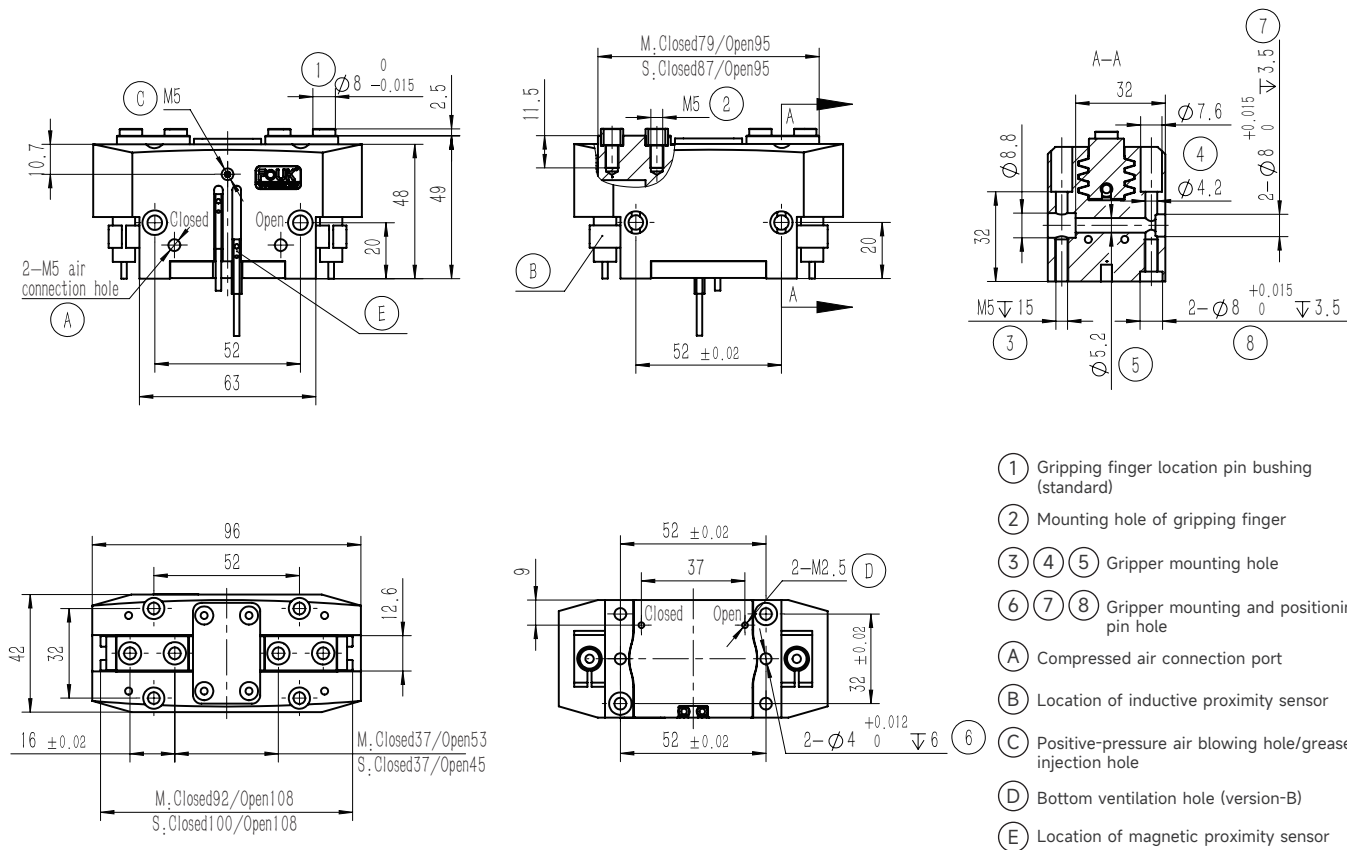
Product attributes	FR36-96	FR36-96-NO	FR36-96-NC	FR36-96-S	FR36-96-S-NO	FR36-96-S-NC	Unit
Single stroke	8	8	8	4	4	4	mm
Product weight	0.5	0.6	0.6	0.5	0.6	0.6	kg
Maximum allowable gripping distance	110	110	110	105	105	105	mm
Theoretical maximum gripping force: opening/closing	100P/92P	100P/-	-/92P	200P/184P	200P/-	-/184P	N
Minimum Spring Locking Force		180	180		360	360	N
Workpiece weight	2.5	2.5	2.5	5	5	5	kg
Opening/closing time	0.035/0.035	0.03/0.05	0.05/0.03	0.035/0.035	0.03/0.05	0.05/0.03	s
Gas consumption of single opening and closing cycle	0.124	0.188	0.188	0.124	0.188	0.188	L

P: Compressed air pressure [bar]

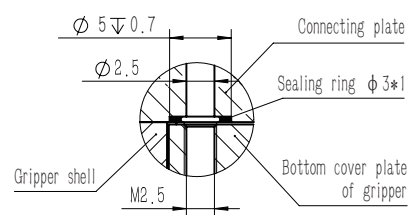
Gas consumption: volume of gas consumed at normal pressure (0.5MPa)

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	0.7

FR36-96-M/S

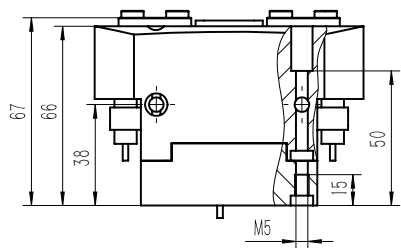


FR36-96-B Ventilation at bottom



FR36-96-NC/NO Self-locking

Built-in spring, mechanical self-locking



FR36-96-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

