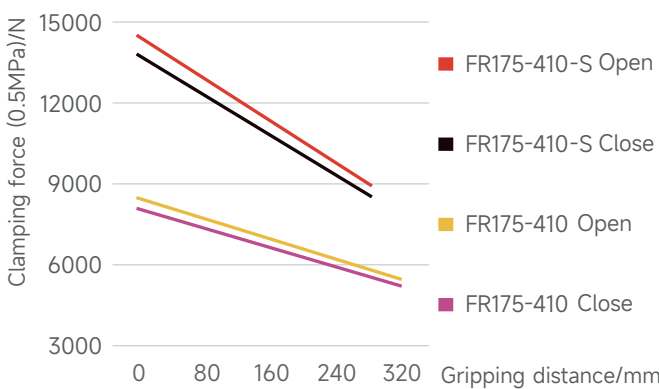
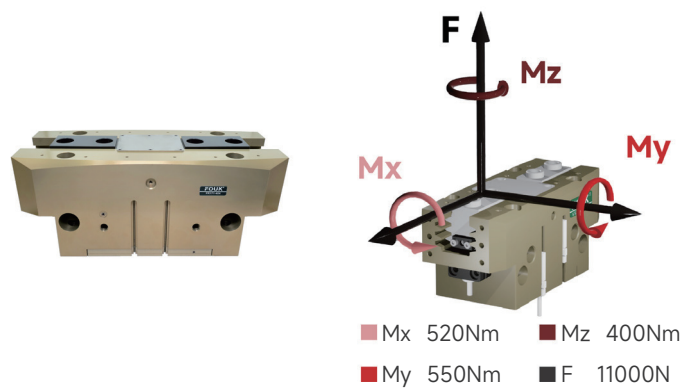


Toothed parallel gripper series FOUK-FR

FR175-410

Static load-bearing torque

Gripping force curve



FR 175 - 410 - 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-0848-L3	Inductive, NPN, 3-core3m
IPSD-2PS-0848-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.

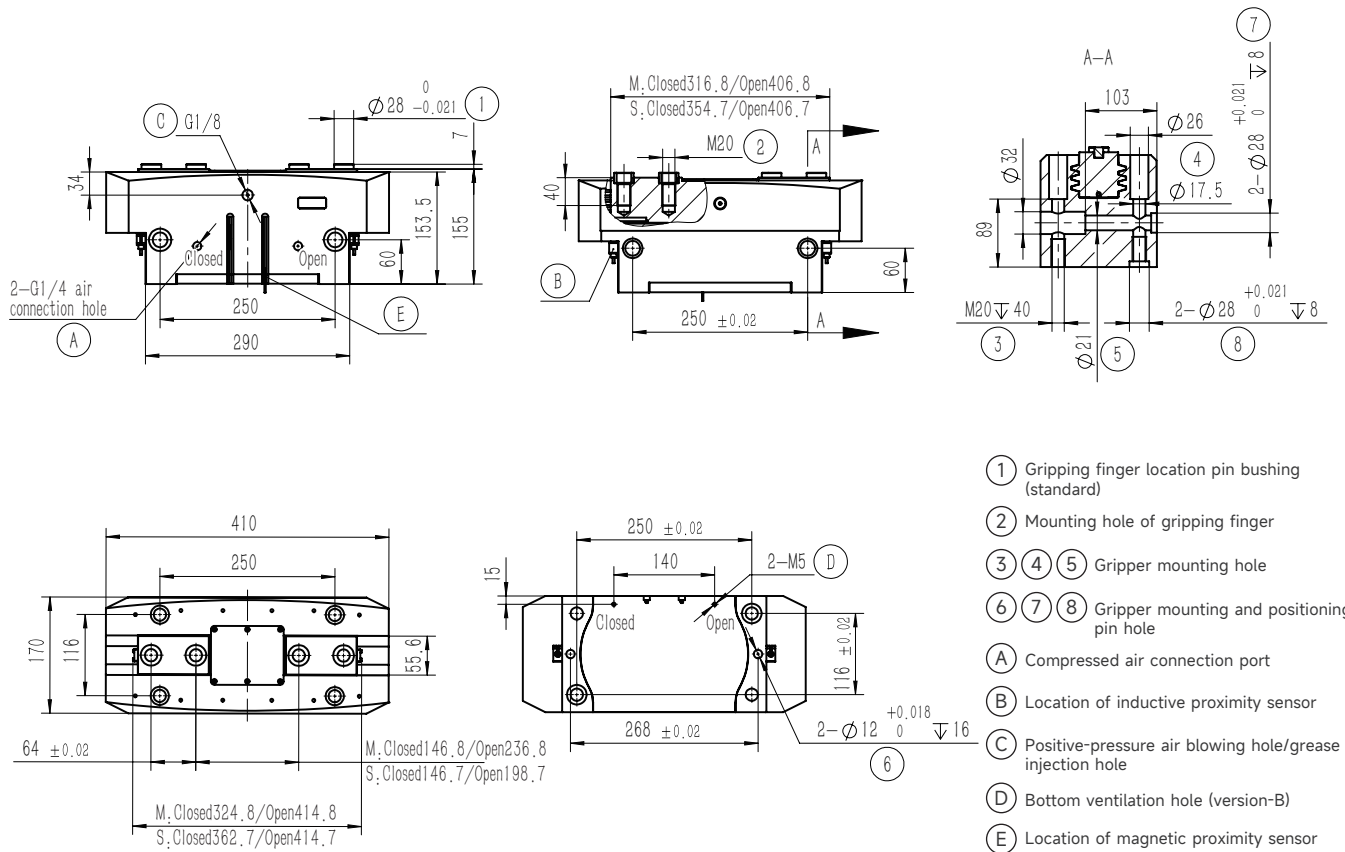
Product attributes	FR175-410	FR175-410-NO	FR175-410-NC	FR175-410-S	FR175-410-S-NO	FR175-410-S-NC	Unit
Single stroke	45	45	45	26	26	26	mm
Product weight	27.5	35.5	36	28	36	36.5	kg
Maximum allowable gripping distance	320	320	320	280	280	280	mm
Theoretical maximum gripping force: opening/closing	1690P/1610P	1690P/-	-/1610P	2900P/2760P	2900P/-	-/2760P	N
Minimum Spring Locking Force		2700	2700		4500	4500	N
Workpiece weight	55	55	55	95	95	95	kg
Opening/closing time	0.6/0.6	0.5/0.8	0.8/0.5	0.6/0.6	0.5/0.8	0.8/0.5	s
Gas consumption of single opening and closing cycle	13	18	14.5	13	18	14.5	L

P: Compressed air pressure [bar]

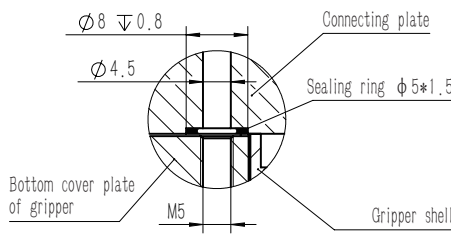
Gas consumption: volume of gas consumed at normal pressure (0.5MPa)

Repeated gripping accuracy/mm	± 0.04	Specification of air connection port	G1/4
Operating air pressure range/bar	3~8	Temperature range of application/°C	-5~60
IP rating	40	Maximum allowable single-finger gripping weight/kg	18

FR175-410-M/S

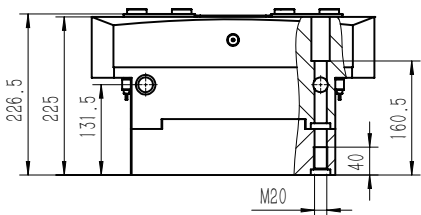


FR175-410-B Ventilation at bottom



FR175-410-NC/NO Self-locking

Built-in spring, mechanical self-locking



FR175-410-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

