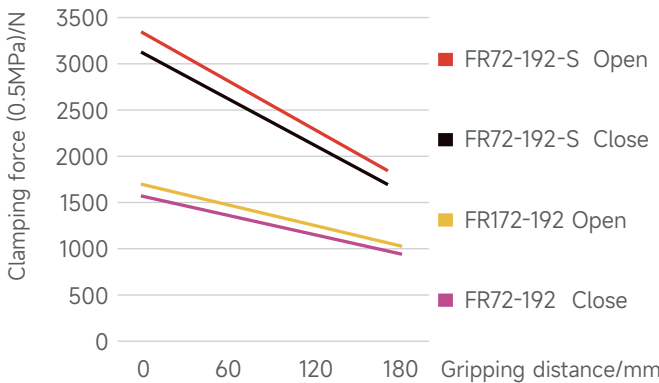
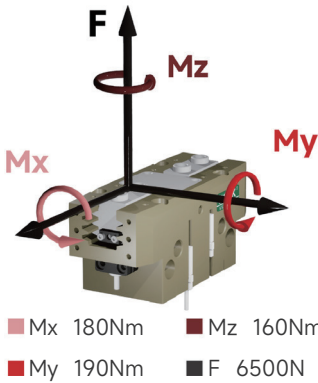


Toothed parallel gripper series FOUK-FR

FR72-192

Static load-bearing torque

Gripping force curve



FR 72 - 192 - 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

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.

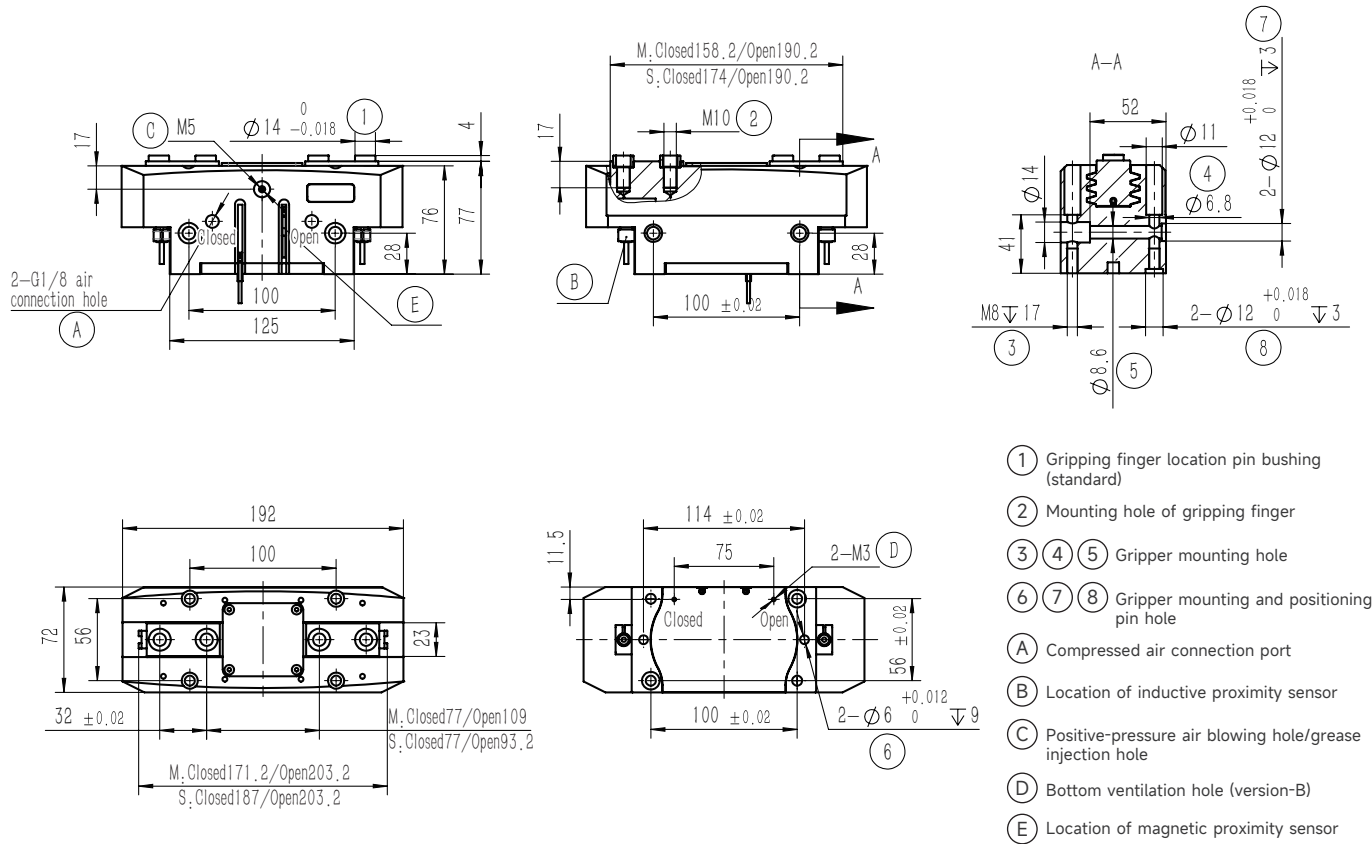
Product attributes	FR72-192	FR72-192-NO	FR72-192-NC	FR72-192-S	FR72-192-S-NO	FR72-192-S-NC	Unit
Single stroke	16	16	16	8	8	8	mm
Product weight	2.75	3.45	3.5	2.8	3.5	3.55	kg
Maximum allowable gripping distance	180	180	180	170	170	170	mm
Theoretical maximum gripping force: opening/closing	340P/316P	340P/-	-/316P	670P/624P	670P/-	-/624P	N
Minimum Spring Locking Force		720	720		1400	1400	N
Workpiece weight	10	10	10	20	20	20	kg
Opening/closing time	0.1/0.1	0.1/0.2	0.2/0.1	0.1/0.1	0.1/0.2	0.2/0.1	s
Gas consumption of single opening and closing cycle	0.95	1.7	1.55	0.95	1.7	1.55	L

P: Compressed air pressure [bar]

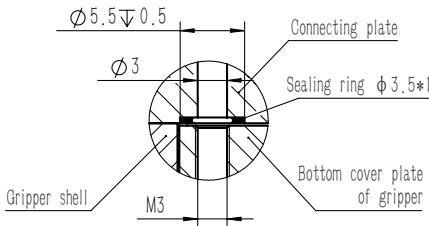
Gas consumption: volume of gas consumed at normal pressure (0.5MPa)

Repeated gripping accuracy/mm	± 0.03	Specification of air connection port	G1/8
Operating air pressure range/bar	3~8	Temperature range of application/°C	-5~60
IP rating	40	Maximum allowable single-finger gripping weight/kg	3.6

FR72-192-M/S

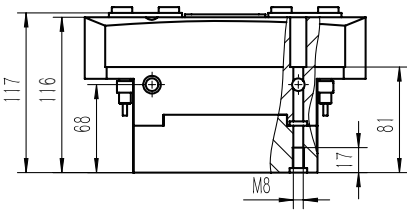


FR72-192-B Ventilation at bottom



FR72-192-NC/NO Self-locking

Built-in spring, mechanical self-locking



FR72-192-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

