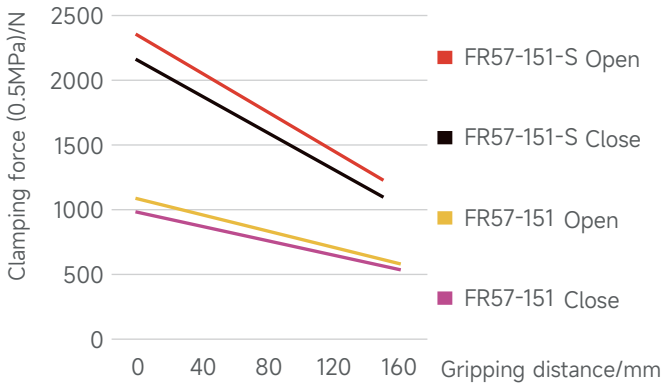
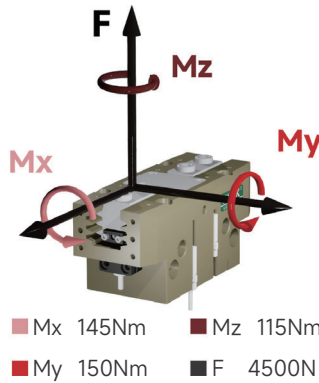


Toothed parallel gripper series FOUK-FR

FR57-151

Static load-bearing torque

Gripping force curve



FR 57 - 151 - S - B - P - NO - H

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

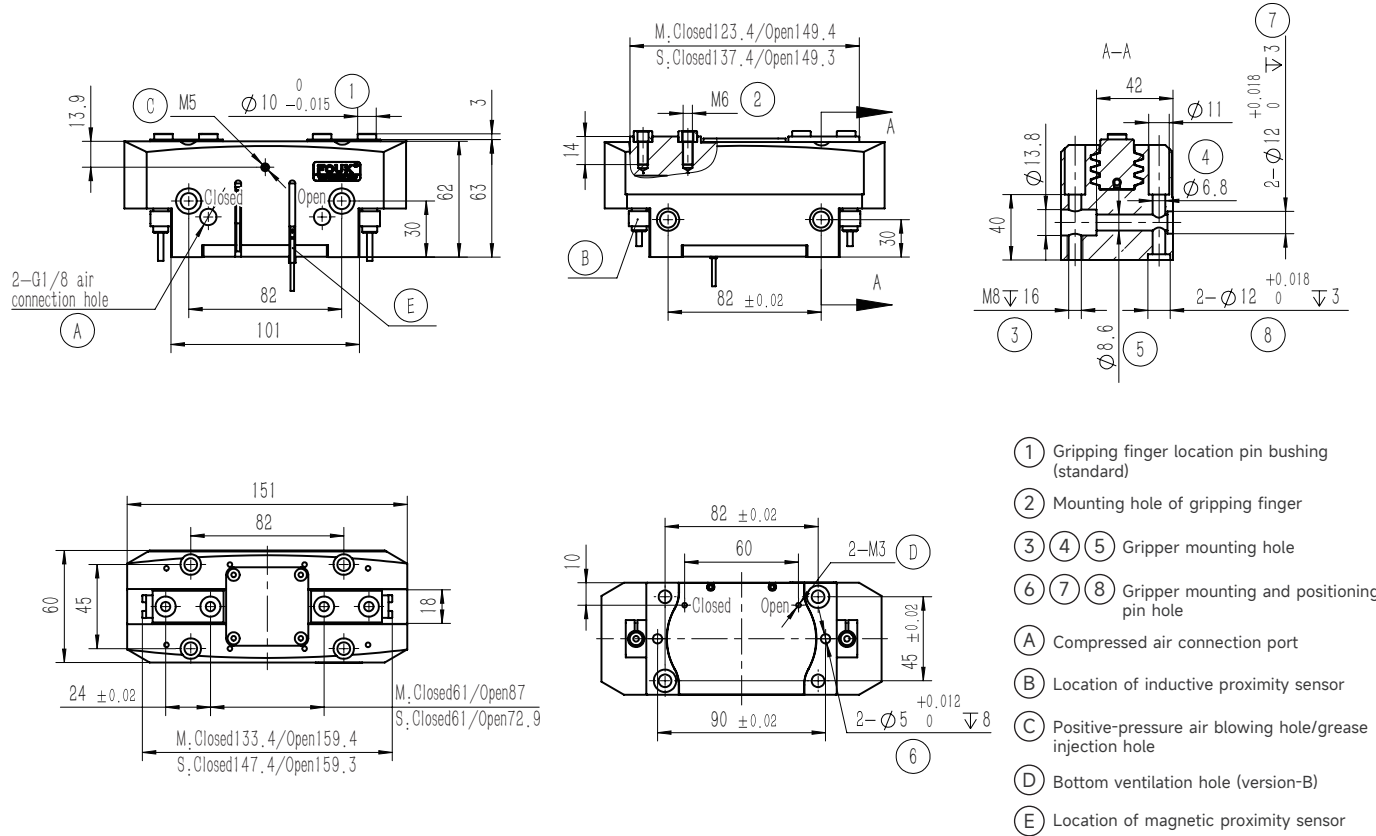
Product attributes	FR57-151	FR57-151-NO	FR57-151-NC	FR57-151-S	FR57-151-S-NO	FR57-151-S-NC	Unit
Single stroke	13	13	13	6	6	6	mm
Product weight	1.45	1.8	1.85	1.5	1.85	1.9	kg
Maximum allowable gripping distance	160	160	160	150	150	150	mm
Theoretical maximum gripping force: opening/closing	214P/198P	214P/-	-/198P	466P/430P	466P/-	-/430P	N
Minimum Spring Locking Force		450	450		980	980	N
Workpiece weight	6.5	6.5	6.5	14	14	14	kg
Opening/closing time	0.09/0.09	0.08/0.12	0.12/0.08	0.09/0.09	0.08/0.12	0.12/0.08	s
Gas consumption of single opening and closing cycle	0.5	0.85	0.8	0.5	0.85	0.8	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	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	2.2

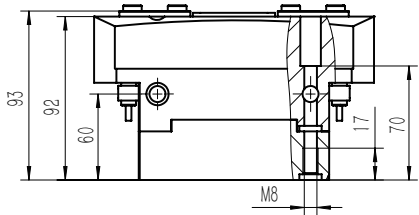
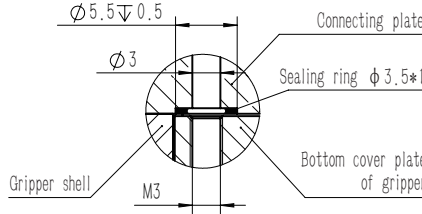
FR57-151-M/S



FR57-151-B Ventilation at bottom

FR57-151-NC/NO Self-locking

Built-in spring, mechanical self-locking



FR57-151-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

