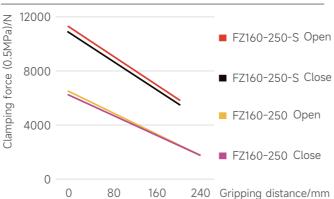
FZ160-250

Static load-bearing torque Gripping force curve

■ Mx 170Nm ■ Mz 130Nm

■ My 190Nm

■ F 4500N



FZ 160-250 - S - B Serial No. Cylinder bore Short stroke Length of push rod C30 30mm NO Self-locking by opening H -5~240°C C55 55mm NC Self-locking by closing / 0~60°C / Without self-locking

Inductive proximity sensor

IPSD-2NS-0831-L3 Inductive, NPN, 3-core3m IPSD-2PS-0831-L3 Inductive, PNP, 3-core3m

Magnetic proximity sensor

MZC2-1V7NS-FU0 Magnetic, NPN, 3-core3m MZC2-1V7PS-FU0 Magnetic, PNP, 3-core3m

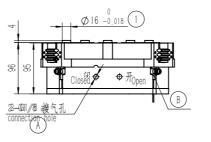
*Two sensors are required for each gripper. For the detailed monitoring of two positions, see the sensor appendix.

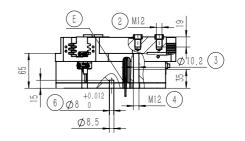
Product attributes	FZ160-250	FZ160-250-NO	FZ160-250-NC	FZ160-250-S	FZ160-250-S-NO	FZ160-250-S-NC	Unit
Single stroke	25	25	25	14	14	14	mm
Product weight	10.5	13.5	13.5	10.5	13.5	13.5	kg
Maximum allowable gripping distance	240	240	240	200	200	200	mm
Theoretical maximum gripping force: opening/closing	1300P/1250P	1300P/-	-/1250P	2260P/2170P	2260P/-	-/2170P	Ν
Gas consumption of single opening and closing cycle	5	7.2	7.2	5	7.2	7.2	L
Minimum Spring Locking Force		3460	2000		3460	2000	Ν
Workpiece weight	39	39	39	67	67	67	kg
Opening/closing time	1.2/1.2	1/1.5	1.5/1	1.2/1.2	1/1.5	1.5/1	S

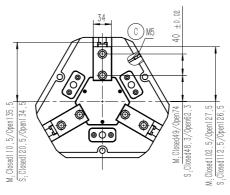
P: Compressed air pressure [bar] Gas consumption: volume of gas consumed at normal pressure (0.5MPa)

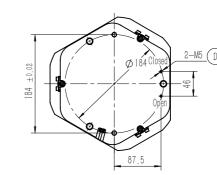
Maximum allowable single-finger gripping weight/kg	6
Repeated gripping accuracy/mm	± 0.02
Operating air pressure range/bar	3~8

Specification of air connection port	G1/8
Temperature range of application/°C	-5~60
IP rating	40









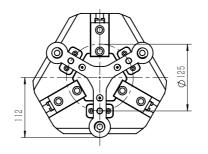
- Gripping finger location pin bushing (standard)
- 2 Mounting hole of gripping finger
- (3) (4) Gripper mounting hole
- 6 Mounting and positioning pin hole
- (A) Compressed air connection port
- B Location of inductive proximity sensor
- C Positive-pressure air blowing hole/grease injection hole
- D Bottom ventilation hole (version-B)
- (E) Location of magnetic proximity sensor

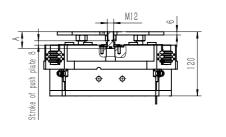
FZ160-250-C30 Pushing

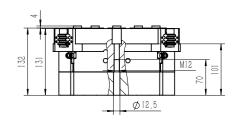
The length A of the push rod can be of the standard version or the extended version, with loading function, and the minimum thrust of the push plate is 210N.

FZ160-250-NC/NO Self-locking

Built-in spring, mechanical self-locking







FZ160-250-P Dust-proof

FZ160-250-B Ventilation at bottom 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

