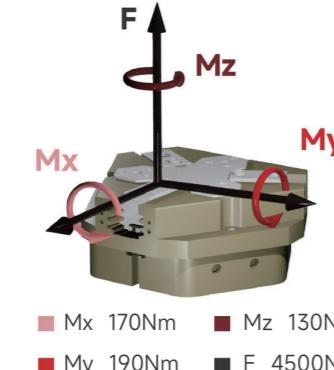


Toothed three-finger gripper series FOUK-FZ

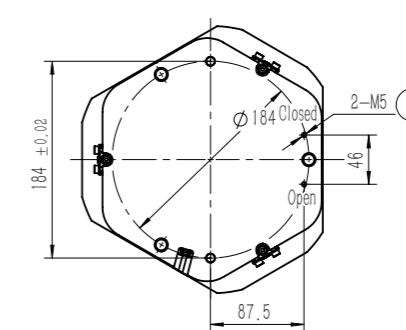
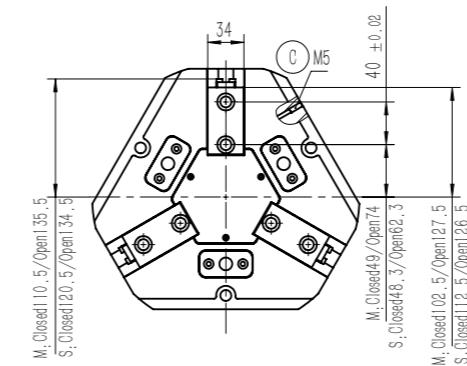
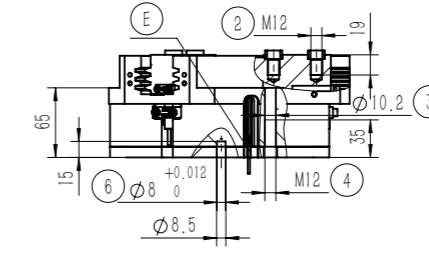
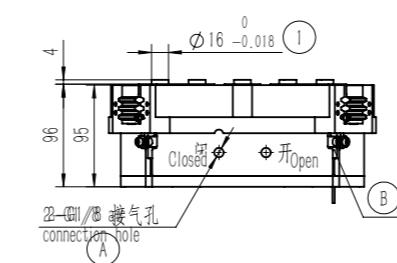
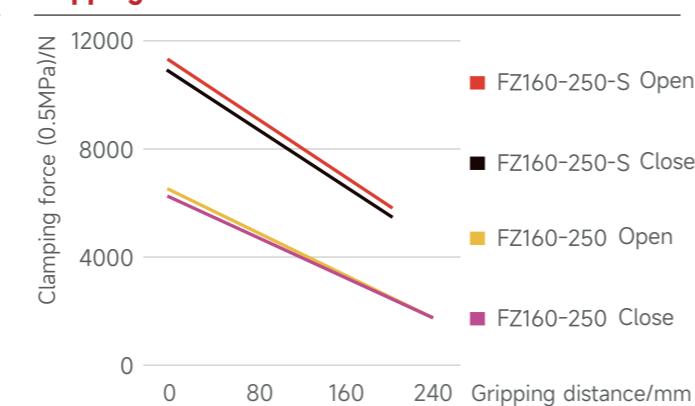
FZ160-250-M/S

FZ160-250

Static load-bearing torque



Gripping force curve



FZ 160 - 250 - S - B - C30 - P - NO - H

Serial No.	Cylinder bore
FZ	Toothed three-finger gripper

Maximum shell diameter

Short stroke

Ventilation at bottom

Length of push rod

Dust cover IP64

Self-locking form

High temperature resistance

/ Without dust cover

/ Without push plate

/ Increased gripping force

/ Standard version M

/ Ventilation on the side

/ C30 30mm

/ C55 55mm

/ Without self-locking

/ NO Self-locking by opening

/ NC Self-locking by closing

/ H -5~240°C

/ I 0~60°C

Inductive proximity sensor

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

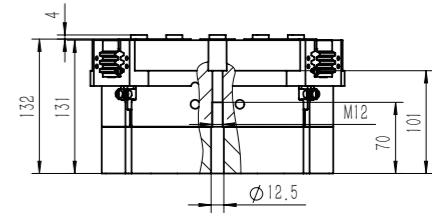
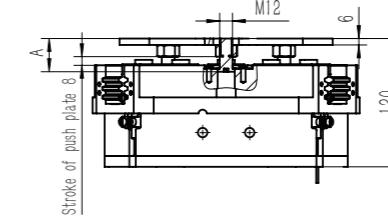
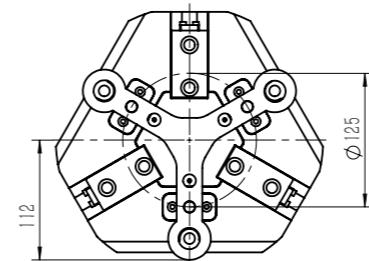
Magnetic proximity sensor

D-M9NAL	Magnetic, NPN, 3-core3m
D-M9PAL	Magnetic, PNP, 3-core3m

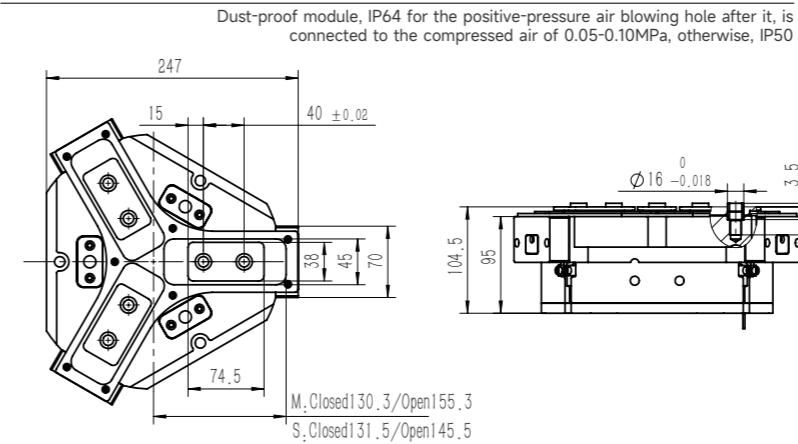
*Two sensors are required for each gripper. For the detailed monitoring of two positions, see the sensor appendix.

Product attributes	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	N
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	N
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			

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-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

FZ160-250-B Ventilation at bottom

