

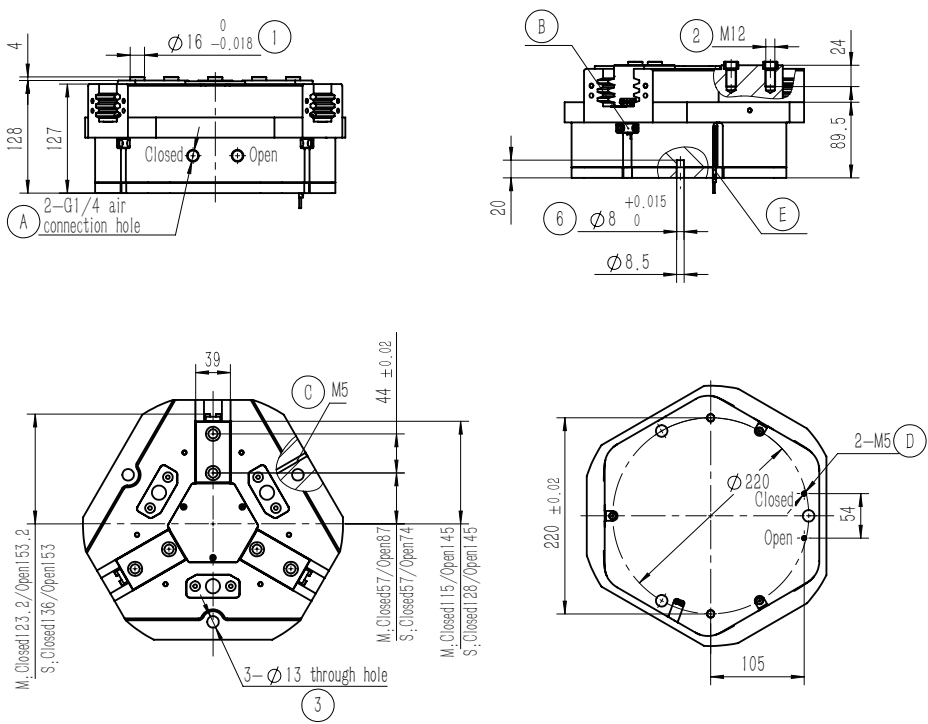
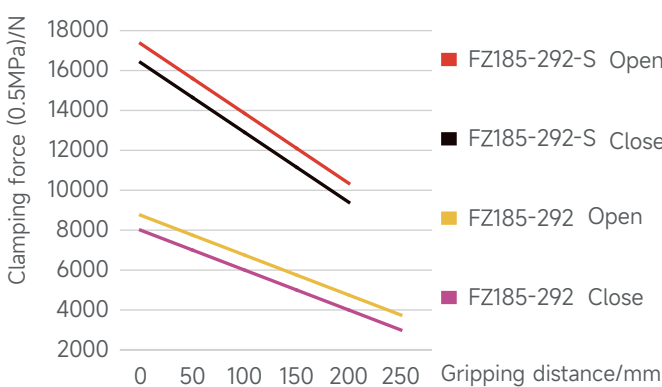
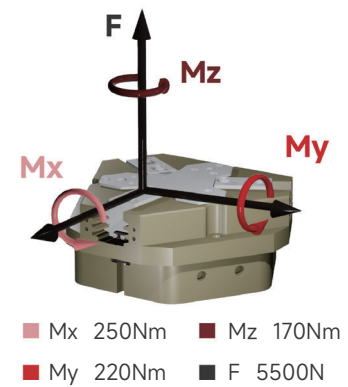
Toothed three-finger gripper series FOUK-FZ

FZ185-292-M/S

FZ185-292

Static load-bearing torque

Gripping force curve



- 1 Gripping finger location pin bushing (standard)
- 2 Mounting hole of gripping finger
- 3 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

FZ 185-292 - S - B - C45 - P - NO - H

Serial No.	Cylinder bore	Maximum shell diameter	Short stroke	Ventilation at bottom	Length of push rod	Dust cover IP64	Self-locking form	High temperature resistance
FZ Toothed three-finger gripper			S Increased gripping force Standard version M	/ Ventilation on the side	C45 45mm C70 70mm / Without push plate	/ 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-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	FZ185-292	FZ185-292-NO	FZ185-292-NC	FZ185-292-S	FZ185-292-S-NO	FZ185-292-S-NC	Unit
Single stroke	30	30	30	17	17	17	mm
Product weight	21	25	24	22	26	25	kg
Maximum allowable gripping distance	250	250	250	210	210	210	mm
Theoretical maximum gripping force: opening/closing	1750P/1600P	1750P/-	-/1600P	3470P/3280P	3470P/-	-/3280P	N
Gas consumption of single opening and closing cycle	11	18	15	11	18	15	L
Minimum Spring Locking Force		3500	3400		7000	6800	N
Workpiece weight	50	50	50	100	100	100	kg
Opening/closing time	1.25/1.25	1.1/1.7	2.1/1.1	1.25/1.25	1.1/1.7	2.1/1.1	s

P: Compressed air pressure [bar]

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

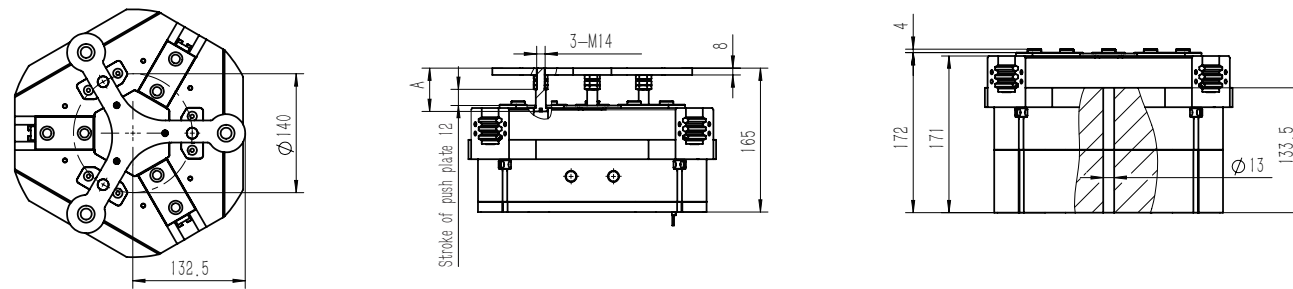
Maximum allowable single-finger gripping weight/kg	8.5	Specification of air connection port	G1/4
Repeated gripping accuracy/mm	± 0.05	Temperature range of application/°C	-5~60
Operating air pressure range/bar	3~8	IP rating	40

FZ185-292-C45 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 240N.

FZ185-292-NC/NO Self-locking

Built-in spring, mechanical self-locking



FZ185-292-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

FZ185-292-B Ventilation at bottom

