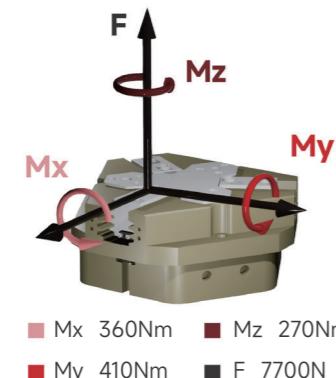


Toothed three-finger gripper series FOUK-FZ

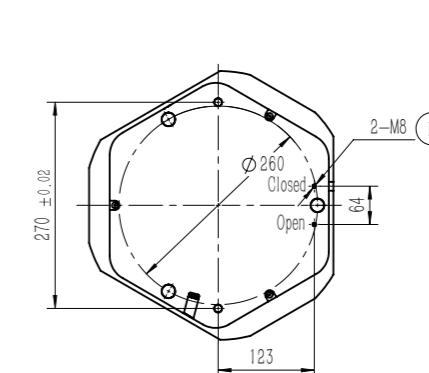
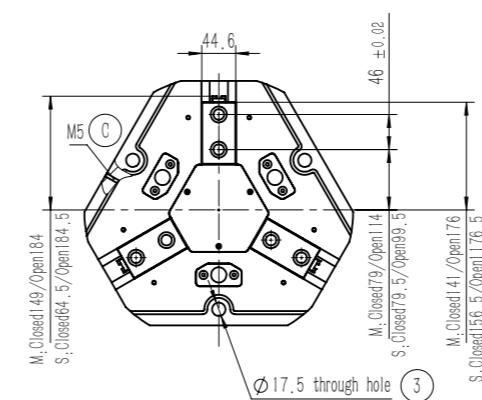
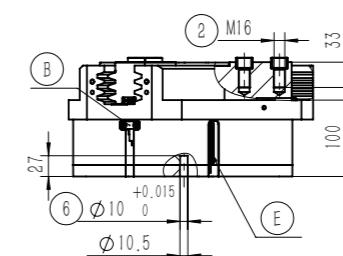
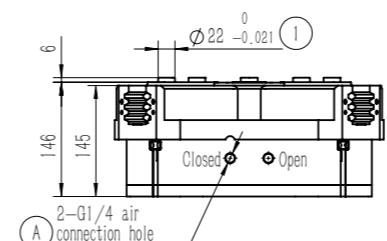
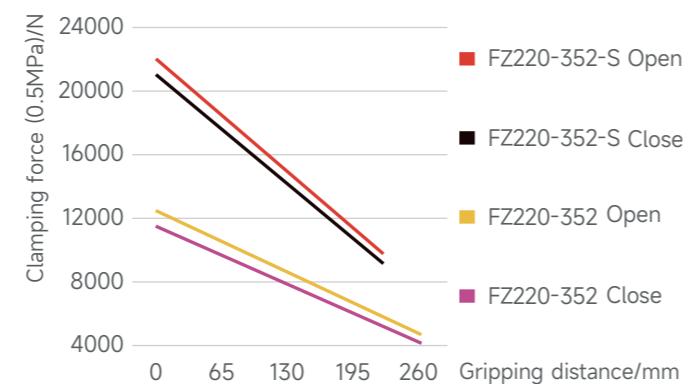
FZ220-352-M/S

FZ220-352

Static load-bearing torque



Gripping force curve



FZ 220-352 - S - B - C60 - 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 I Standard version M	I Ventilation on the side	C60 60mm C90 90mm I Without push plate	I Without dust cover	NO Self-locking by opening NC Self-locking by closing I Without self-locking	H -5~240°C I 0~60°C

Inductive proximity sensor

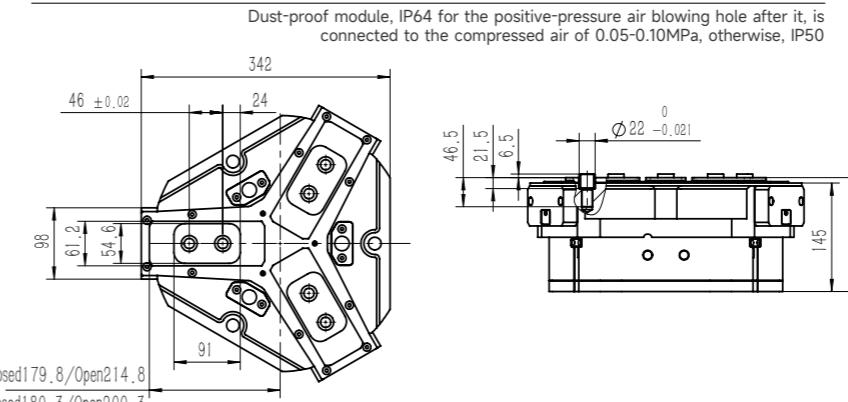
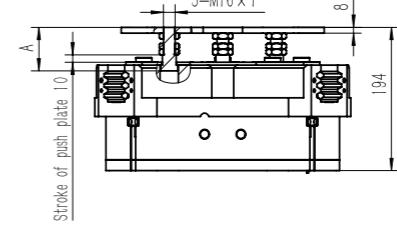
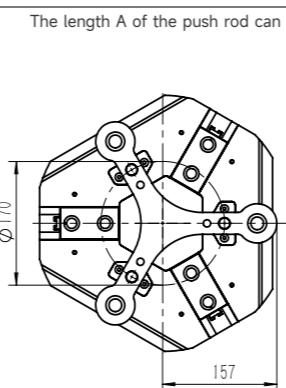
IPSD-2NS-0848-L3	Inductive, NPN, 3-core3m
IPSD-2PS-0848-L3	Inductive, PNP, 3-core3m

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	FZ220-352	FZ220-352-NO	FZ220-352-NC	FZ220-352-S	FZ220-352-S-NO	FZ220-352-S-NC	Unit
Single stroke	35	35	35	20	20	20	mm
Product weight	34	46	40	34	46	40	kg
Maximum allowable gripping distance	260	260	260	220	220	220	mm
Theoretical maximum gripping force: opening/closing	2500P/2400P	2500P/-	-/2400P	4400P/4200P	4400P/-	-/4200P	N
Gas consumption of single opening and closing cycle	17	23	23	17	23	23	L
Minimum Spring Locking Force		3800	3600		6700	6400	N
Workpiece weight	80	80	80	130	130	130	kg
Opening/closing time	1.3/1.3	1.2/2	2.5/1.2	1.3/1.3	1.2/2	2.5/1.2	s
P: Compressed air pressure [bar] Gas consumption: volume of gas consumed at normal pressure (0.5MPa)							
Maximum allowable single-finger gripping weight/kg		12		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	



FZ220-352-B Ventilation at bottom

