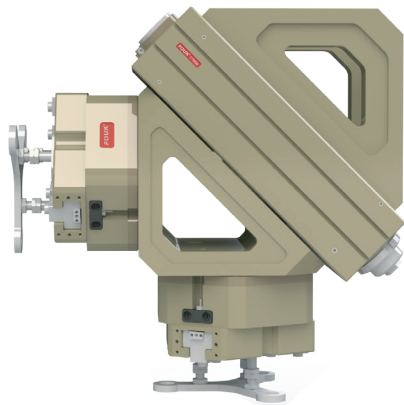


Truss System Disc-type Gripping Unit Series FOUK-TG

FZ90-155

TG50



TG 50 - FZ90 - 155 - 0°

Serial No.		Cylinder bore		Model of finger cylinder		Standard installation		0°	
FZ		Gripping unit		Toothed three-finger gripper		FZ90-155		180°	
				Toothed parallel gripper		FR72-192		90°	

Magnetic proximity sensor

Used for TG	MZC1-2V2NS-FU0	Magnetic, NPN, 3-core2m
	MZC1-2V2PS-FU0	Magnetic, PNP, 3-core2m

Inductive proximity sensor

Used for gripper	IPSD-2NS-0831/0823-L3	Inductive, NPN, 3-core3m
	IPSD-2PS-0831/0823-L3	Inductive, PNP, 3-core3m

Magnetic proximity sensor

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

\*It is recommended to use two sensors for each rotating unit, and it is recommended to use two sensors for each gripper. For details, see the sensor appendix.

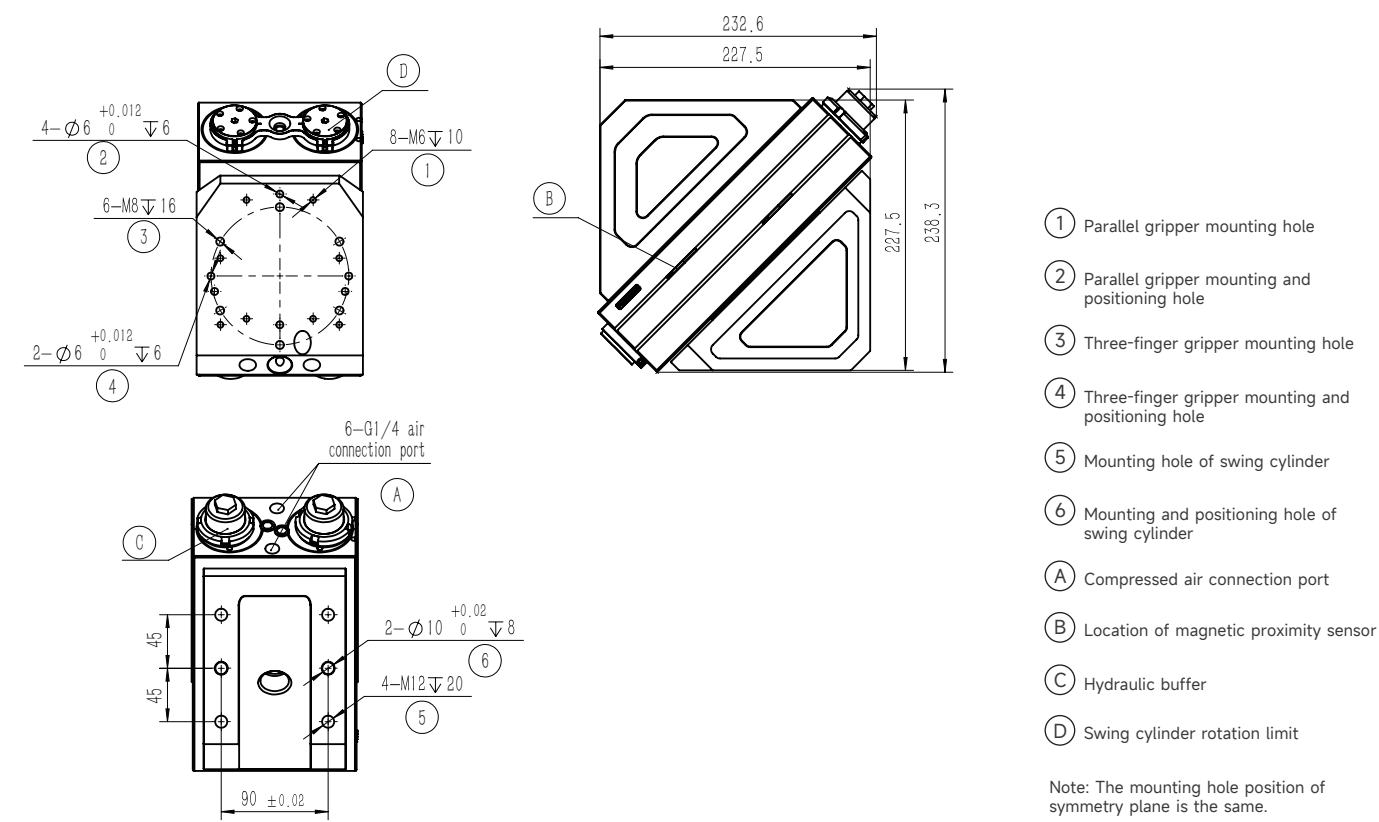
Product attributes	TG50	Unit
Theoretical torque	7.07 × P	N · m
Suitable Workpiece Load for Single-Side Finger Cylinder	9	kg
Maximum working load of single-side finger cylinder	12	kg
Product weight	15.2	kg
Rotation time	1.5~4	sec
Specification of buffer unit	M33 Hydraulic buffer	
Repeated positioning accuracy	± 0.05	mm
Operating air pressure	3~6	bar
Air connection port of air distribution pipe	G1/4	
Operating temperature range	-5~60	°C
IP rating	65	

Product attributes	Parameter Value	Unit
Single stroke	13	mm
Product weight	2.7	kg
Maximum allowable gripping distance	170	mm
Specification of air connection port	G1/8	
Theoretical maximum gripping force: opening/closing	515P/490P	N
Opening/closing time	0.2/0.2	s
Repeated gripping accuracy	± 0.02	mm
Operating air pressure range	3~8	bar
Temperature range of application	-5~60	°C
IP rating	40	

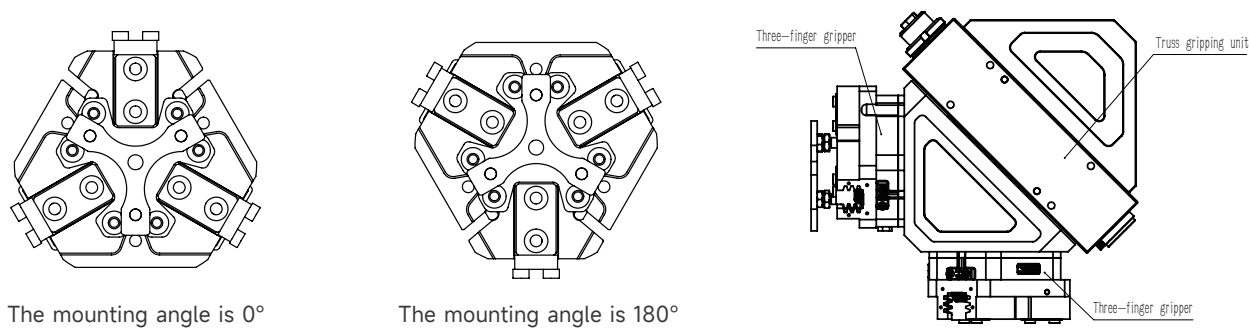
FR72-192

Product attributes	Parameter Value	Unit
Single stroke	16	mm
Product weight	2.75	kg
Maximum allowable gripping distance	180	mm
Specification of air connection port	G1/8	
Theoretical maximum gripping force: opening/closing	340P/316P	N
Opening/closing time	0.15/0.15	s
Repeated gripping accuracy	± 0.03	mm
Operating air pressure range	3~8	bar
Temperature range of application	-5~60	°C
IP rating	40	

TG50



TG50-FZ90-155-0° Standard installation/180° Finger cylinder flip



TG50-FR72-192-0° Standard installation/90° Finger cylinder flip

