Truss System Disc-type Gripping Unit Series FOUK-TE

TE40

TE | 40 | - | FR36 | - | 96 | - | 0° | - | HE40

Serial No.	Cylinder bore		Model of finger cylinder				Flexible compensation unit
TE: Flip unit						Standard installation: 0° / Finger cylinder flip: 90°	No characters: Without flexible compensation

Inductive proximity sensor			Inductive proximity sensor			Magnetic proximity sensor	
Used for TG	IPSD-2NS-0823-L3	Inductive, NPN, 3-core3m	Used for gripper	IPSD-2NS-0823-L3	Inductive, NPN, 3-core3m	MZC2-1V7NS-FU0	Magnetic, NPN, 3-core3m
	IPSD-2PS-0823-L3	Inductive, PNP, 3-core3m		IPSD-2PS-0823-L3	Inductive, PNP, 3-core3m	MZC2-1V7PS-FU0	Magnetic, PNP, 3-core3m

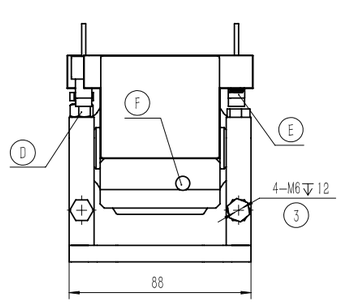
*It is recommended to use two sensors for each rotating unit, and it is recommended to use two sensors for each gripper. For details, see the sensor appendix.

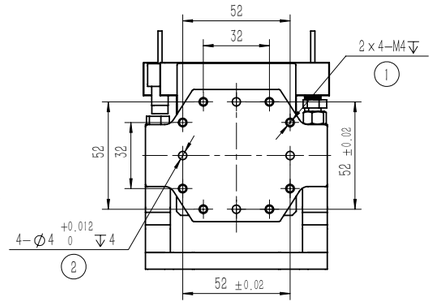
TE40 Rotating unit

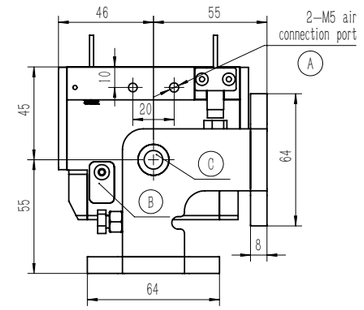
Product attributes	Parameter Value	Unit
Effective torque	2*P	N·m
Workpiece weight	1.5	kg
Product weight	2.1	kg
Rotation time	0.6~1.1	sec
Air connection port of air distribution pipe	M5	
Buffer unit	M12 × 1-10	
Repeated positioning accuracy	± 0.05	°
Operating air pressure	4~6	bar
Operating temperature range	-5~60	°C
IP rating	65	

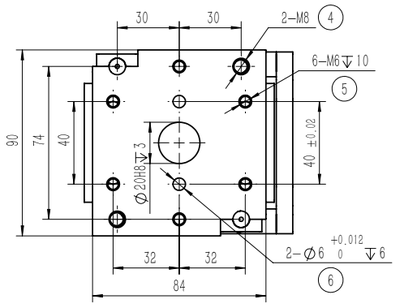
FR36-96 Gripper

Product attributes	Parameter Value	Unit
Single stroke	8	mm
Product weight	0.5	kg
Maximum allowable gripping distance	110	mm
Specification of air connection port	M5	
Theoretical maximum gripping force: opening/closing	100P/92P	N
Opening/closing time	0.035/0.035	s
Repeated gripping accuracy	± 0.02	mm
Operating air pressure range	3~8	bar
Temperature range of application	-5~60	°C
IP rating	45	



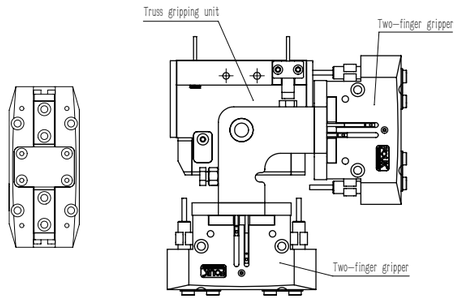




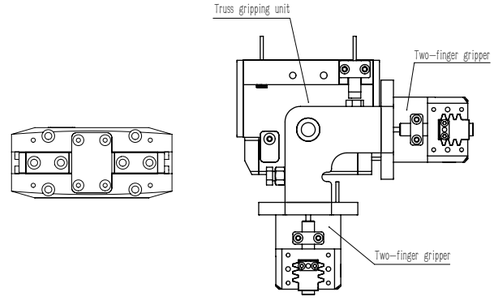
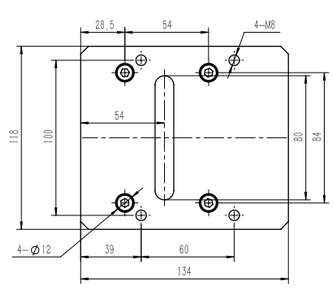
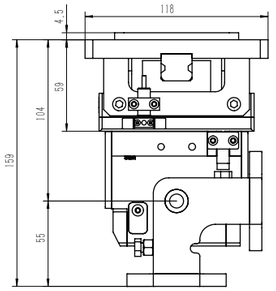


1. Gripper mounting screw hole
2. Gripper mounting and positioning
3. Buffer bolt
4. Limit bolt
5. Mounting screw hole of swing cylinder
6. Mounting and positioning of swing cylinder
A. Compressed air connection port
B. Buffer locking end cover
C. Hollow wire-passing hole
D. Rotation limit
E. Location of inductive proximity sensor
F. Hydraulic buffer

TE40-FR36-96-0°Standard installation



TE40-FR36-96-90°Finger cylinder flip



TE40-HE40