**FOUK®** End-of-Arm Tooling

# Truss System Disc-type Gripping Unit Series FOUK-TG

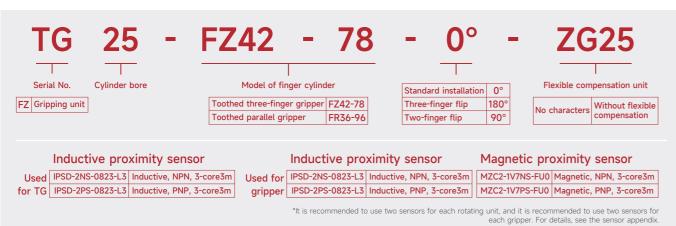
## FZ42-78

### **TG25**

Operating temperature range

IP rating





		err gripper. For details, see the sensor appendix.	
Product attributes	TG25	Unit	
Theoretical torque	0.96 × P	N·m	
Suitable Workpiece Load for Single-Side Finger Cylinder	1.7	kg	
Maximum working load of single-side finger cylinder	2	kg	
Product weight	2.4	kg	
Rotation time	0.4~1.1	sec	
Specification of buffer unit	M14 Hydraulic buffer		
Repeated positioning accuracy	± 0.05	mm	
Operating air pressure	3~6	bar	
Air connection port of air distribution pipe	M5		

-5~60

65

Product attributes	Parameter Value	Unit	
Single stroke	6	mm	
Product weight	0.51	kg	
Maximum allowable gripping distance	90	mm	
Specification of air connection port	M5		
Theoretical maximum gripping force: opening/closing	116P/106P	N	
Opening/closing time	0.03/0.03	S	
Repeated gripping accuracy	± 0.02	mm	
Operating air pressure range	3~8	bar	
Temperature range of application	-5~60	°C	
IP rating	40		

### FR36-96

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	40	

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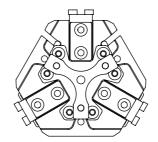
FOUK-TG

**TG25** 

Note: A set of pusher module is provided for the standard version.

Truss gripping unit

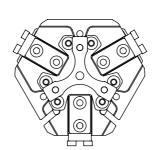
## TG25-FZ42-78-0°Standard installation



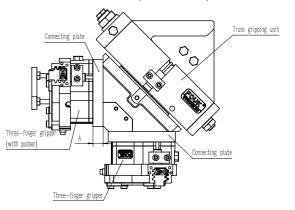
The mounting angle is 0°

## TG25-FZ42-78-180°Finger cylinder flip

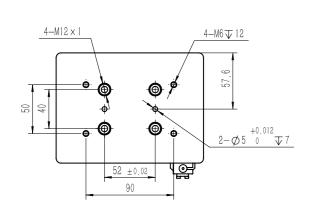
Note: The connecting plate is designed with different thickness A according to different requirements; and a set of pusher module is provided for the standard version.



The mounting angle is 180°

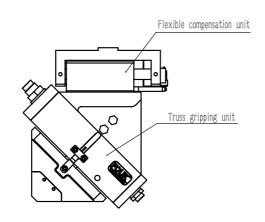


# **TG25-ZG25**



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1 Gripper mounting hole

2 Gripper mounting and positioning hole

3 Mounting hole of swing cylinder

4 Mounting and positioning hole of swing cylinder

A Compressed air connection port

D Swing cylinder rotation limit (E) Air passage hole in gripper

Note: A and B are gripper air

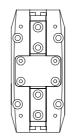
C is the air connection port of the swing cylinder

(C) Hydraulic buffer

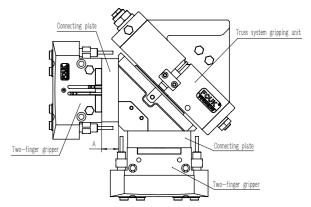
B Location of inductive proximity sensor

### TG25-FR36-96-0°Standard installation

Note: The connecting plate is designed with different thickness A according to different requirements.

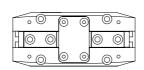


The mounting angle is 0°

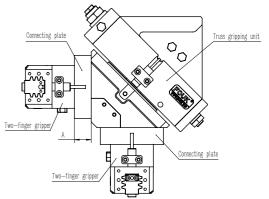


## TG25-FR36-96-90°Finger cylinder flip

Note: The connecting plate is designed with different thickness A according to different requirements.



The mounting angle is 90°



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