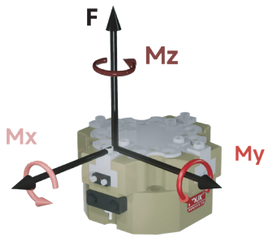
Parallel gripper long stroke series FOUK-TF

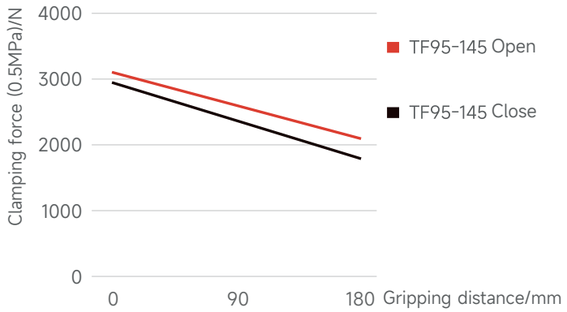
TF95-145

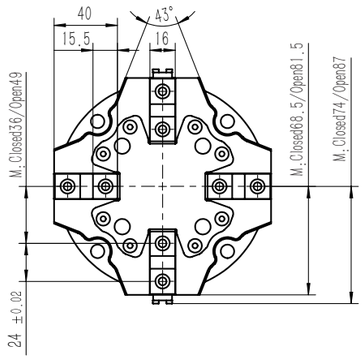
Static load-bearing torque

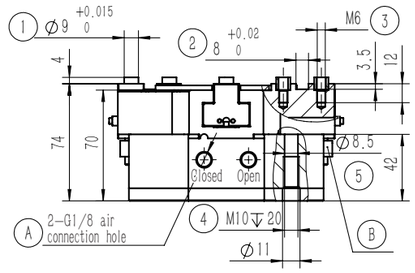


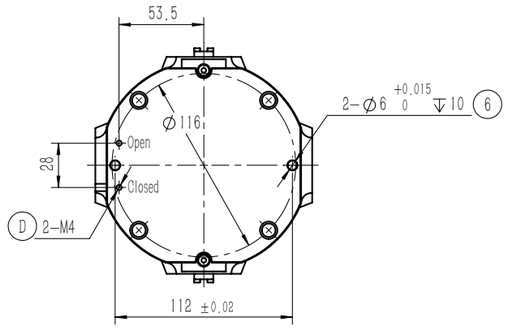
Mx 68Nm ■Mz 57Nm
■My 83Nm ■F 1550N

Gripping force curve









1. Gripping finger location pin bushing (standard)
2. Gripping finger positioning groove
3. Mounting hole of gripping finger
4. 5. 6. Gripper mounting hole
6. Gripper mounting and positioning
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)

TF	95	-	145	-	B	-	C40	-	H
Serial No.	Cylinder bore		Maximum shell diameter		Ventilation at bottom		Length of push rod		High temperature resistance

TF	Four-finger gripper

/	Ventilation on the side

C40	40mm
C50	50mm
/	Without push plate

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

*Two sensors are required for each gripper. For the detailed monitoring of two positions, see the sensor appendix.

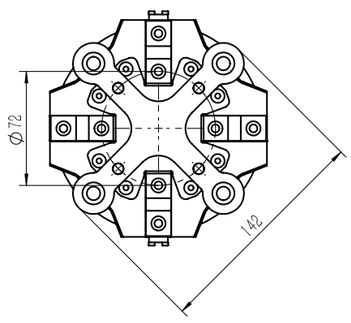
Product attributes	TF95-145	Unit
Single stroke	13	mm
Product weight	2.9	kg
Maximum allowable gripping distance	180	mm
Theoretical maximum gripping force: opening/closing	620P/590P	N
Workpiece weight	14	kg
Opening/closing time	0.15/0.15	s
Gas consumption of single opening and closing cycle	1.3	L

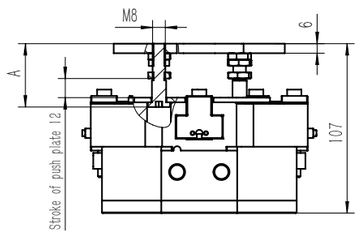
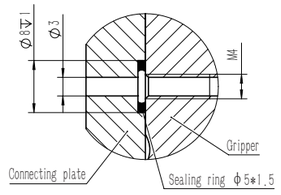
P: Compressed air pressure [bar]
Gas consumption: volume of gas consumed at normal pressure (0.5MPa)

Repeated gripping accuracy/mm	± 0.02	Specification of air connection port	G1/8
Operating air pressure range/bar	3~7	Temperature range of application/°C	-5~60
IP rating	40	Maximum allowable single-finger gripping weight/kg	1.5

TF95-145-C40 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 220N.





TF95-145-B Ventilation at bottom