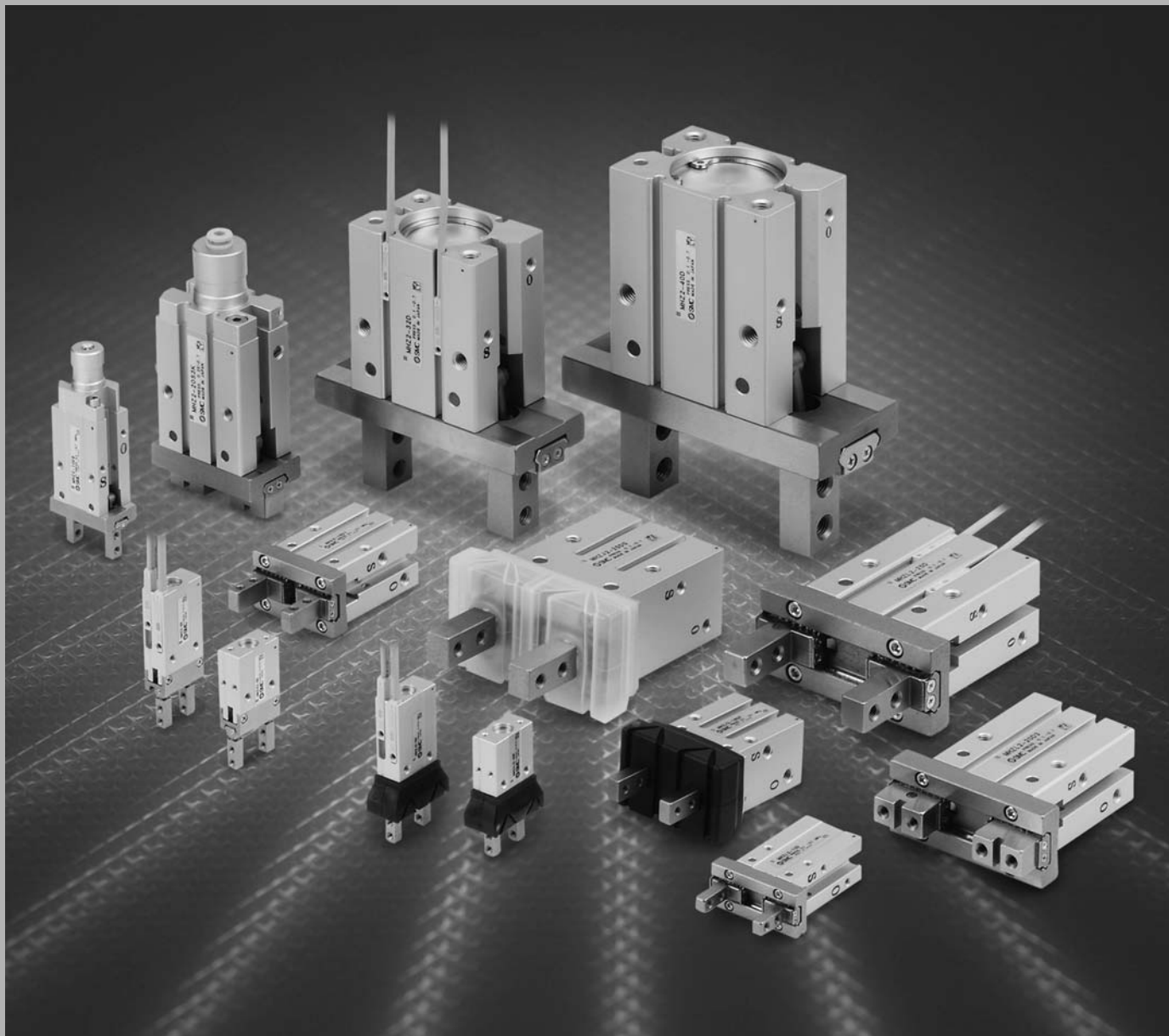


Parallel Style Air Gripper

Series MHZ



MHZ

MHF

MHL

MHR

MHK

MHS

MHC

MHT

MHY

MHW

-X□

MRHQ

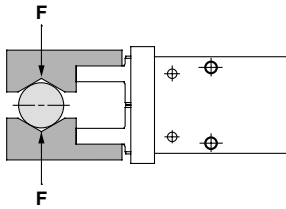
MA

D-□

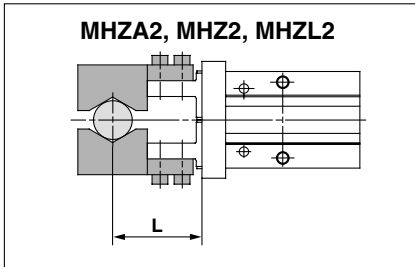
Step 1 Effective Gripping Force: Series MHZ□2/Double Acting/External Gripping Force

- Indication of effective gripping force

The effective gripping force shown in the graphs to the right is expressed as F, which is the thrust of one finger, when both fingers and attachments are in full contact with the workpiece as shown in the figure below.

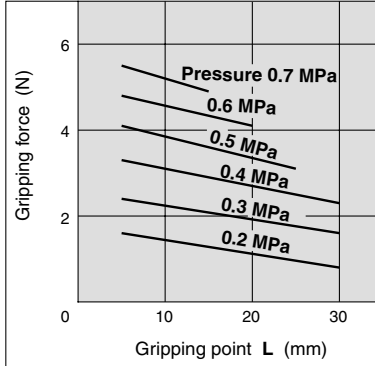


External Grip

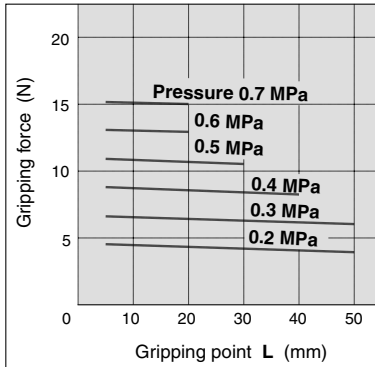


External Gripping Force

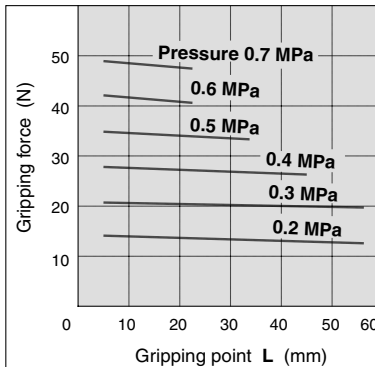
MHZ2-6D/MHZA2-6D



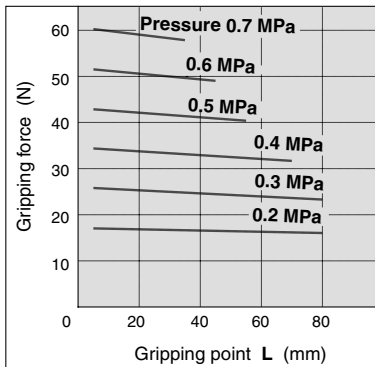
MHZ2-10D/MHZA2-10D



MHZ2-16D/MHZA2-16D

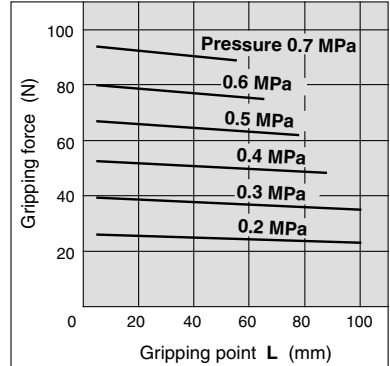


MHZ2-20D/MHZA2-20D

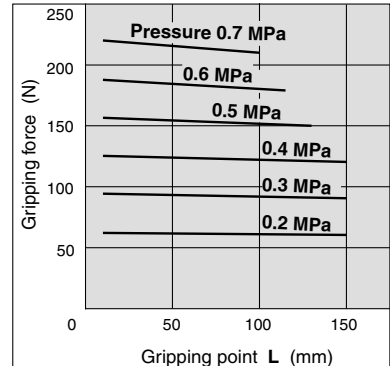


External Gripping Force

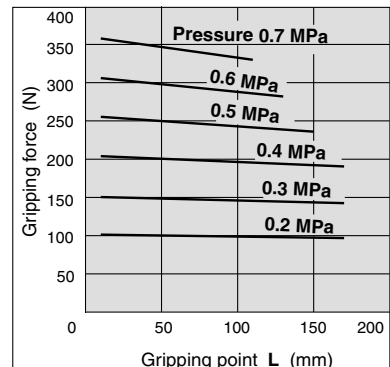
MHZ2-25D/MHZA2-25D



MHZ2-32D



MHZ2-40D



MHZ

MHF

MHL

MHR

MHK

MHS

MHC

MHT

MHY

MHW

-X□

MRHQ

MA

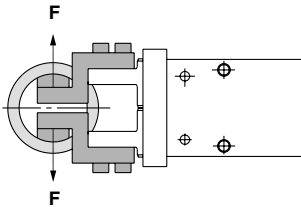
D-□

Series MHZ

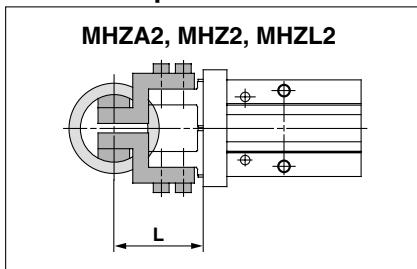
Model Selection

Step 1 Effective Gripping Force: Series MHZ□2/Double Acting/Internal Gripping Force

- Indication of effective gripping force
The effective gripping force shown in the graphs to the right is expressed as F, which is the thrust of one finger, when both fingers and attachments are in full contact with the workpiece as shown in the figure below.

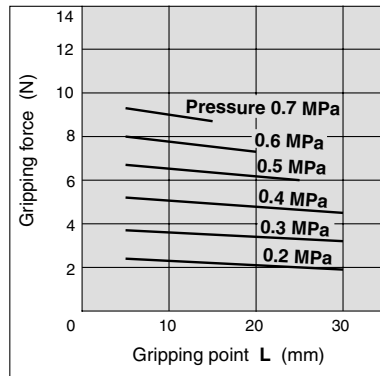


Internal Grip

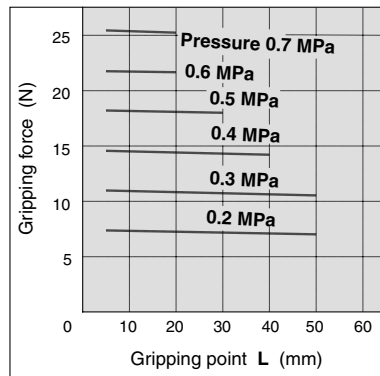


Internal Gripping Force

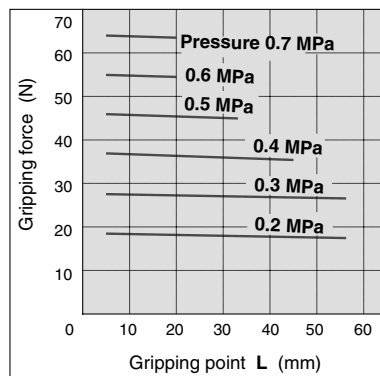
MHZ2-6D/MHZA2-6D



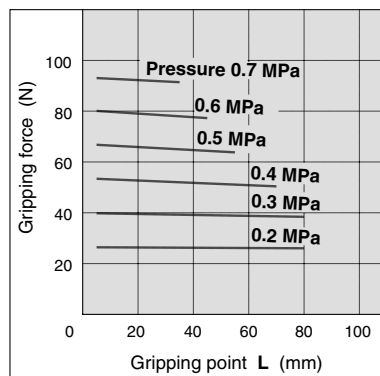
MHZ2-10D/MHZL2-10D



MHZ2-16D/MHZL2-16D

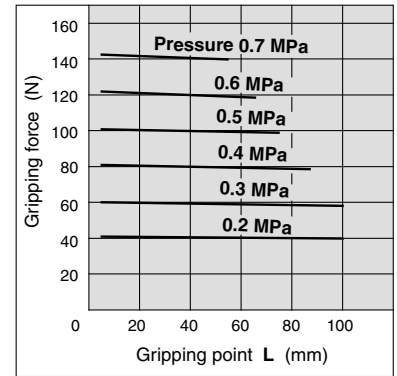


MHZ2-20D/MHZL2-20D

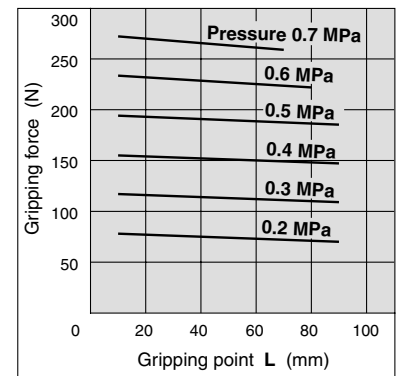


Internal Gripping Force

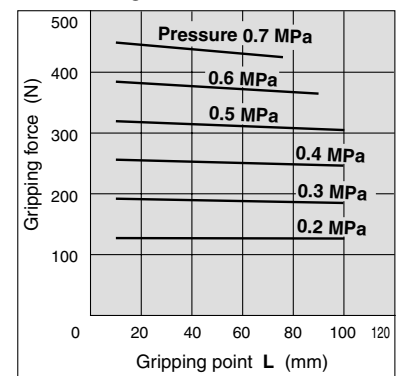
MHZ2-25D/MHZL2-25D



MHZ2-32D

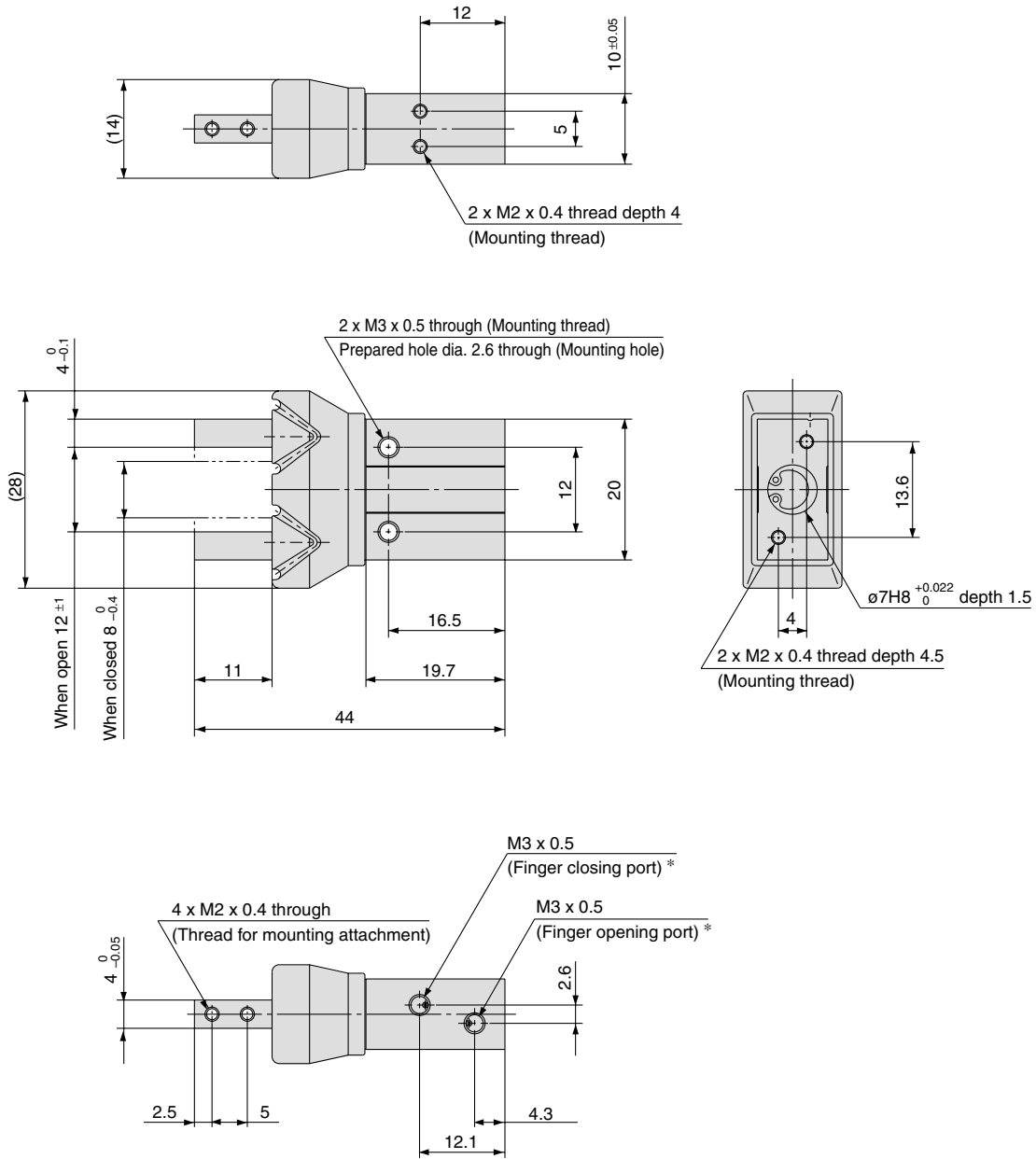


MHZ2-40D



Dimensions: With Dust Cover

MHZAJ2-6 □ Double acting/Single acting
Basic type

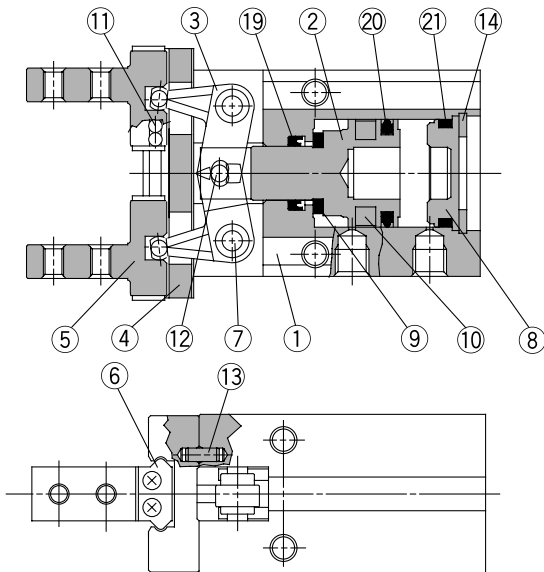


* For single action, the port on one side is a breathing hole.

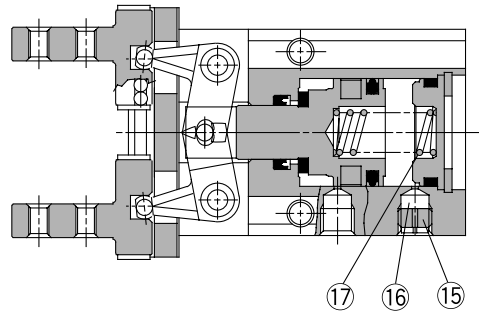
- MHZ
- MHF
- MHL
- MHR
- MHK
- MHS
- MHC
- MHT
- MHY
- MHW
- X□
- MRHQ
- MA
- D-□

Construction: MHZ2-10□ to 40□

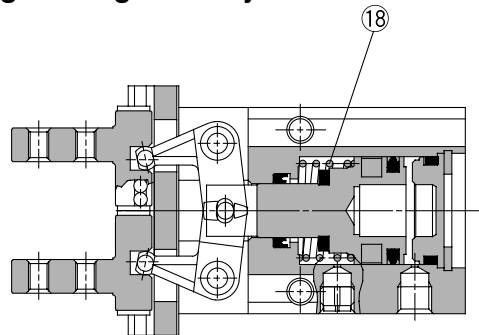
Double acting/With fingers open



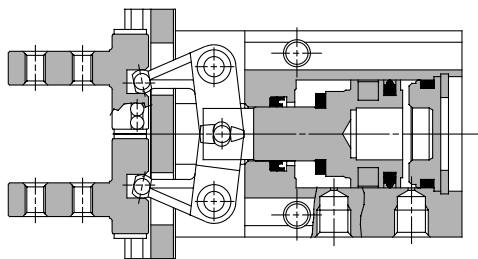
Single acting/Normally open



Single acting/Normally closed



Double acting/With fingers closed



Component Parts

No.	Description	Material	Note
1	Body	Aluminum alloy	Hard anodized
2	Piston	ø10, ø16: Stainless steel ø20 to ø40: Aluminum alloy	ø20 to ø40: Hard anodized
3	Lever	Stainless steel	Heat treated
4	Guide	Stainless steel	Heat treated
5	Finger	Stainless steel	Heat treated
6	Roller stopper	Stainless steel	
7	Lever shaft	Stainless steel	Nitriding
8	Cap	ø10 to ø25: Synthetic resin ø32, ø40: Aluminum alloy	ø32, ø40: Clear anodized
9	Bumper	Urethane rubber	
10	Rubber magnet	Synthetic rubber	

Component Parts

No.	Description	Material	Note
11	Steel balls	High carbon chrome bearing steel	
12	Needle roller	High carbon chrome bearing steel	
13	Parallel pin	Stainless steel	
14	Type C retaining ring	Carbon steel	Nickel plated
15	Exhaust plug A	Brass	Electroless nickel plated
16	Exhaust filter A	Polyvinyl formal	
17	N.O. spring	Stainless steel spring wire	
18	N.C. spring	Stainless steel spring wire	
19	Rod seal	NBR	
20	Piston seal	NBR	
21	Gasket	NBR	

Replacement Parts

Description		MHZ2-10	MHZ2-16	MHZ2-20	MHZ2-25	MHZ2-32	MHZ2-40	Main parts
Seal kit		MHZ10-PS	MHZ16-PS	MHZ20-PS	MHZ25-PS	MHZ32-PS	MHZ40-PS	19 20 21
Finger assembly	MHZ2-□□□(N)	MHZ-A1002(N)	MHZ-A1602(N)	MHZ-A2002(N)	MHZ-A2502(N)	MHZ-A3202	MHZ-A4002	4 5 6 11 13 Mounting screw
	MHZ2-□□□(N)1	MHZ-A1002(N)-1	MHZ-A1602(N)-1	MHZ-A2002(N)-1	MHZ-A2502(N)-1	MHZ-A3202-1	MHZ-A4002-1	
	MHZ2-□□□(N)2	MHZ-A1002(N)-2	MHZ-A1602(N)-2	MHZ-A2002(N)-2	MHZ-A2502(N)-2	MHZ-A3202-2	MHZ-A4002-2	
Piston assembly	MHZ2-□□□3	MHZ-A1002-3	MHZ-A1602-3	MHZ-A2002-3	MHZ-A2502-3	MHZ-A3202-3	MHZ-A4002-3	2 9 10 12
	MHZ2-□□□□	MHZ-A1003	MHZ-A1603	MHZ-A2003	MHZ-A2503	MHZ-A3203	MHZ-A4003	
	MHZ2-□□□□					MHZ-A3203S	MHZ-A4003S	
End boss assembly	MHZ2-□□□□W	MHZ-A1007	MHZ-A1607	MHZ-A2007	MHZ-A2507	-	-	Main body of adaptor, Mounting screw for adaptor, Seal kit
	MHZ2-□□□□K	MHZ-A1008	MHZ-A1608	MHZ-A2008	MHZ-A2508	-	-	
	MHZ2-□□□□M	MHZ-A1009	MHZ-A1609	MHZ-A2009	MHZ-A2509	-	-	
	MHZ2-□□□□E	MHZ-A1010	MHZ-A1610	MHZ-A2010	MHZ-A2510	-	-	

* Finger option

1 = Side tapped, 2 = Through-hole, 3 = Flat type fingers

* End boss type

W = One-touch-fitting for coaxial tubing, K = With One-touch fitting, M = With M5 port, E = Side ported

* The end boss assembly other than type E should be mounted on the special body.

Replacement part/Grease pack part no.: GR-S-005 (5 g)