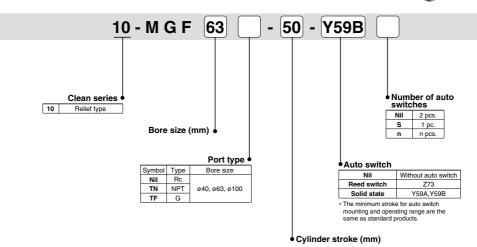
How to Order





Model

Model		Bore size	Port size	Lubrication	Action	Standard stroke * (mm)	Auto switch mounting	Cushion	
		(mm)	Fort Size	Lubrication		Standard Stroke (IIIII)	Auto switch mounting	Rubber	Air
Relief	10-MGF40	40	1/8		D 11	30, 50, 75, 100	0		
	10-MGF63	63	1/4	Non-lube	Double acting			(Both sides)	-
	10-MGF100	100	1/4					(DOIII SIGES)	

^{*} Non-standard intermediate strokes (in 5 mm increments) are available by attaching a spacer of 5, 10, 15, 20 or 25 mm width.

Specifications

40/63/100
1.5 MPa
1.0 MPa
0.1 MPa
-10 to 60°C (With no freezing)
20 to 200 mm/s
*1.0 mm
Fluorine grease
Class 4

Pressure Switches/ Pressure Sensors



Rotary Actuators

Air Grippers

Air Preparation Equipment

Modular F.

Pressure Control Equipment

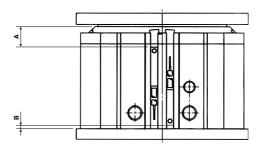
Auto Switch Specifications (Refer to the WEB catalog for detailed specifications and auto switches not in the following table.)

Тур	е	Auto switch part no.	Load voltage	Load current range	Indicator light	Application
Reed auto switch		D-Z73	24 VDC,100 VAC	5 to 40 mA, 5 to 20 mA	0	Relay, PLC
Solid state	2-wire	D-Y59B	24 VDC (10 to 28 VDC)	5 to 40 mA	0	24 VDC Relay, PLC
auto switch	3-wire	D-Y59A	28 VDC or less	40 mA or less	0	IC circuit, Relay, PLC

Refer to page 889 for the applicable auto switch list.

PLC: Programmable Logic Controller

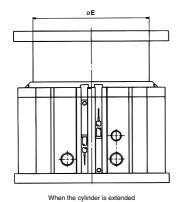
Auto Switch Proper Mounting Position (Detection at Stroke End)

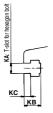


Proper Mounting	mm)	
Bore size	Α	В
40	16	0
63	27.5	0
100	32.5	0

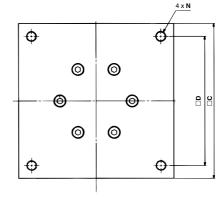
Note) The above mentioned values are indicated as a guide for auto switch mounting positions for stroke end detection. When actually mounting an auto switch, adjust the position after confirming the operating state of the auto switch. **Dimensions**

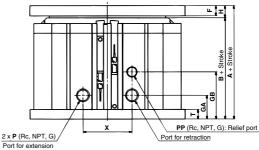
10-MGF40/63/100

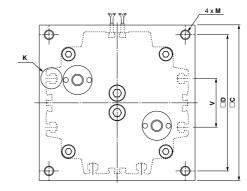




6-K (6 positions)







1	m	m

																			(1	11111)
Bore size	Standard stroke	Α	В	С	D	Е	F	GA	GB	Н	KA	KB	кс	M	N	Р	PP	Т	٧	Х
40		58	48.5	120	100	90	8	18.5	36.5	9.5	M5	8.7	3.5	M8 x 1.25	M8 x 1.25	1/8	1/8	8	40	38
63	30, 50, 75, 100	73	61.5	160	140	120	10	20	38	11.5	M6	11	4	M10 x 1.5	M10 x 1.5	1/4	1/8	10	50	46
100		78	66.5	200	170	160	10	20	38	11.5	M6	11	4	M12 x 1.75	M12 x 1.75	1/4	1/8	10	70	46

Specific Product Precautions

Be sure to read this before handling.

Selection

⚠ Caution

1. Operate loads within the range of the operating limits.

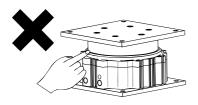
Select a load taking into consideration the allowable horizontal loads, rotational torque and eccentric loads that will apply. When used in excess of the applicable limit, eccentric loads applied to the tube guide will cause wear of the guide, increase the guide's deviation range, cause stress cracks and breaks on the mounting bolts, and decrease the life of the cylinder.

Care should be taken to avoid scratches or gouges on the mounting surface of the plate or end plate.

The flatness of the mounting face may deteriorate, the guide's deviation range may increase and the sliding resistance may become greater.

3. Do not allow hands or fingers near the cylinder during its operation.

Your fingers may be caught between the body and the plate. If you need to come near the cylinder during its operation, install a cover on the cylinder.



4.Do not bring objects that are sensitive to magnetism near the cylinder.

The magnet is built into the cylinder. Do not bring magnetic disks, cards or tapes near the cylinder. Data may be lost.

5. If the cylinder is operated vertically with heavy loads, measures must be taken to prevent rapid extension of the piston rod when starting to operate in the downward direction.

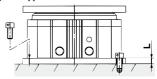
If the cylinder is operated vertically with heavy loads at the same pressure for both upward and downward directions, the starting speed in the downward direction may be higher than the speed controlled with a speed controller. In such cases, use a dual pressure control circuit as a pneumatic circuit.

Mounting

∕ Caution

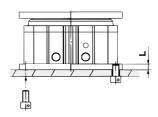
 When mounting the cylinder, use screws of appropriate lengths and tighten with proper torque not exceeding the maximum tightening torque.

Mounting from upper side



Model	Bolt	Maximum tightening torque (N·m)	L (mm)
MGF40	M6 x 1	10	8
MGF63	M8 x 1.25	25	10
MGF100	M10 x 1.5	51	10

Mounting from bottom side



Model	Bolt	Maximum tightening torque (N·m)	L (mm)
MGF40	M8 x 1.25	18	8
MGF63	M10 x 1.5	36	10
MGF100	M12 x 1.75	65	10

