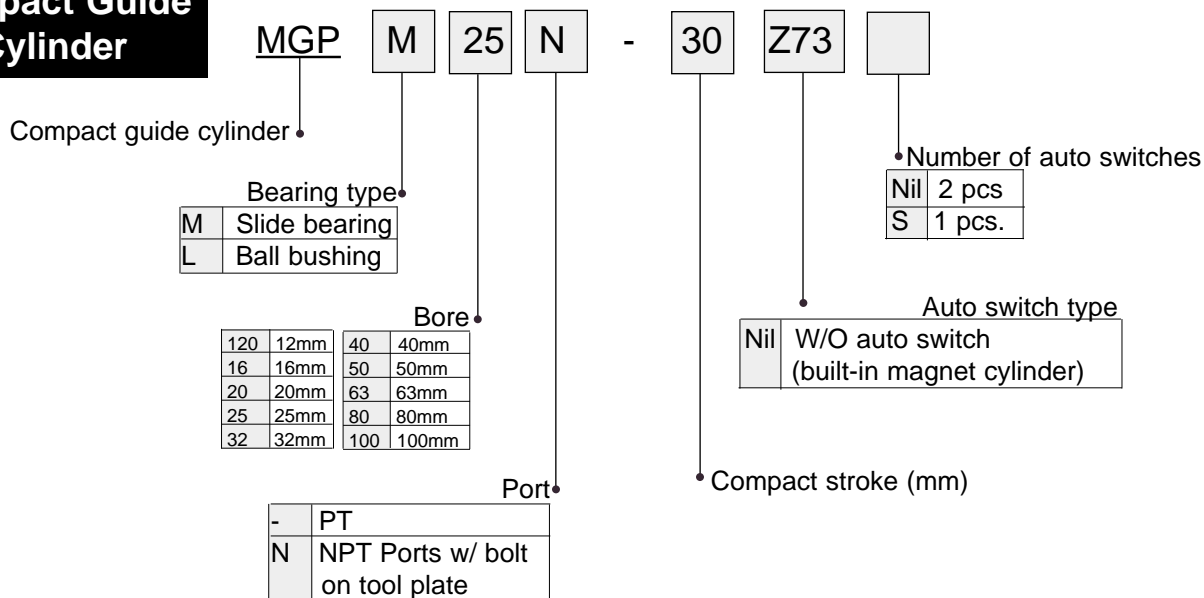


## HOW TO ORDER

Compact Guide  
Cylinder

## Applicable auto switches

Type	Special function	Electrical entry	Indicator light	Wiring (output)	Load voltage			Auto switch model		Lead wire length (m) <sup>Note 1)</sup>			Applicable load		Detailed specifications	
					DC	AC	Electrical entry direction		0.5 (Nil)	3 (L)	5 (Z)					
							Perpendicular	In-line								
Reed switch	—	Grommet	Yes	3 wire	—	5V	—	—	Z76			—	IC circuit	Relay, PLC	P. 66	
				2 wire	24V	12V	100V	—	Z73			—				
			No				5V 12V	100V or less	—	Z80			—			IC circuit
Solid state switch	—	Grommet	Yes	3 wire (NPN)	24V	5V 12V	—	Y69A	Y59A				IC circuit	Relay, PLC	P. 67	
				3 wire (PNP)				Y7PV	Y7P							
				2 wire				12V	Y69B	Y59B						—
	Diagnostic indication (2 color indicator)			3 wire (NPN)		5V 12V		Y7N WV	Y7N W				IC circuit		P. 68	
				3 wire (PNP)				Y7P WV	Y7P W							
	Water resistant (2 color indicator)			2 wire		12V		Y7B WV	Y7B W				—			P. 69
								—	Y7B A	—						
	Magnetic field resistant (2 color indicator)					—		—	P5D W <sup>Note 3)</sup>	—					P. 70	

Note 1) Lead wire symbols    0.5m ..... Nil (Example)    Y69B  
    3m ..... L                                Y69BL  
    5m ..... Z                                Y69BZ

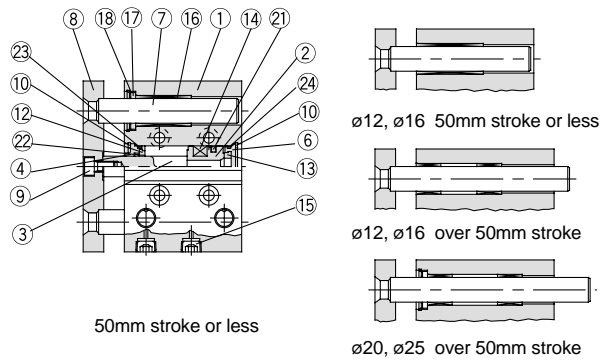
Note 2) Solid state auto switches marked with a " " are produced upon receipt of order.

Note 3) Type D-P5DW cannot be mounted on bore sizes of ø32 or less.

## Construction

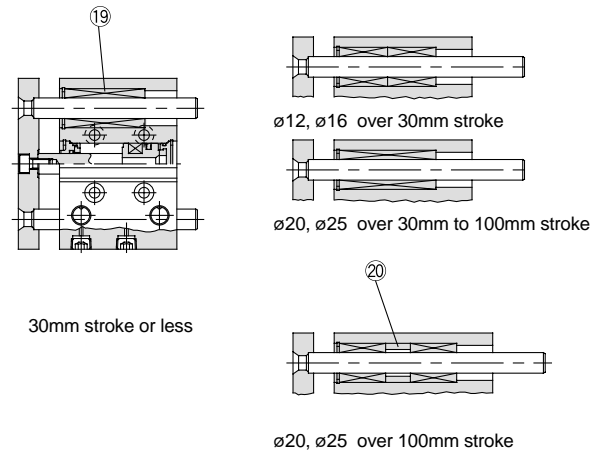
## Series MGPM

## MGPM12 to 25

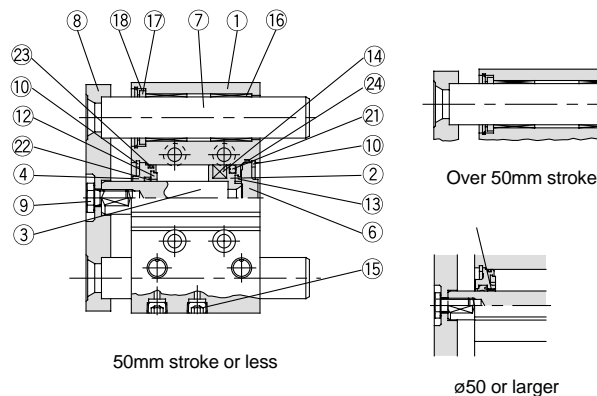


## Series MGPL

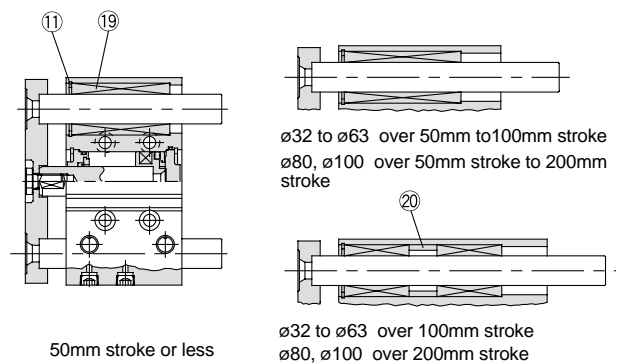
## MGPL12 to 25



## MGPM32 to 100



## MGPL32 to 100



## Parts list

No.	Description	Material	Note
1	Body	Aluminum alloy	Hard anodized
2	Piston	Aluminum alloy	Chromated
3	Piston rod	Stainless steel	ø12 to ø25
		Carbon steel	ø32 to ø100
4	Collar	Aluminum bearing alloy	ø12 to ø40
		Aluminum alloy casting	ø50 to ø100
5	Bushing	Lead bronze casting	ø50 to ø100
6	Head cover	Aluminum alloy	ø12 to ø63
			ø80 to ø100
7	Guide rod	Carbon steel	Hard chrome plated
8	Plate	Carbon steel	Nickel plated
9	Plate mounting bolt	Carbon steel	Nickel plated
10	Snap ring	Carbon tool steel	Phosphate coated
11	Snap ring	Carbon tool steel	Phosphate coated

### Replacement parts: Seal kits

Bore size (mm)	Order No.	Contents
12	MGP12-PS	Kits include items 21, 22, 23, and 24 from the table above.
16	MGP16-PS	
20	MGP20-PS	
25	MGP25-PS	
32	MGP32-PS	

\* Seal kits are sets consisting of items 21 through 24 above, and can be ordered using the order number for each bore size.

## Parts list

No.	Description	Material	Note	
12	Bumper A	Urethane		
13	Bumper B	Urethane		
14	Magnet	Synthetic rubber		
15	Plug (M-5P)	Brass	ø12, ø16	Nickel plated
	Hexagon socket head taper plug	Carbon steel	ø20 to ø100	Nickel plated
16	Slide bearing	Lead bronze casting		
17	Felt	Felt		
18	Holder	Resin		
19	Ball bushing			
20	Spacer	Aluminum alloy		
21*	Piston seal	NBR		
22*	Rod seal	NBR		
23*	Gasket A	NBR		
24*	Gasket B	NBR		

### Replacement parts: Seal kits

Bore size (mm)	Order no.	Contents
<b>40</b>	MGP40-PS	Kits include items 21, 22, 23, and 24 from the table above.
<b>50</b>	MGP50-PS	
<b>63</b>	MGP63-PS	
<b>80</b>	MGP80-PS	
<b>100</b>	MGP100-PS	