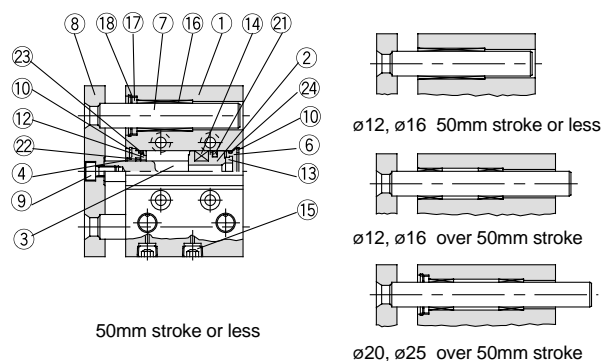


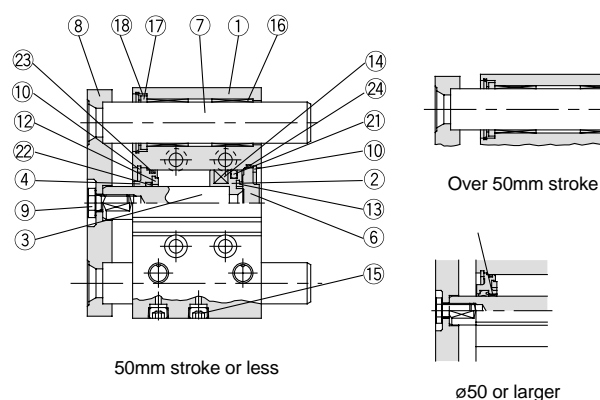
## Construction

### Series MGPM

#### MGPM12 to 25



#### MGPM32 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 Hard chrome plated
4	Collar	Aluminum bearing alloy	ø12 to ø40 Clear anodized
		Aluminum alloy casting	ø50 to ø100 Coated
5	Bushing	Lead bronze casting	ø50 to ø100
6	Head cover	Aluminum alloy	ø12 to ø63 Clear chromated
			ø80 to ø100 Coated
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

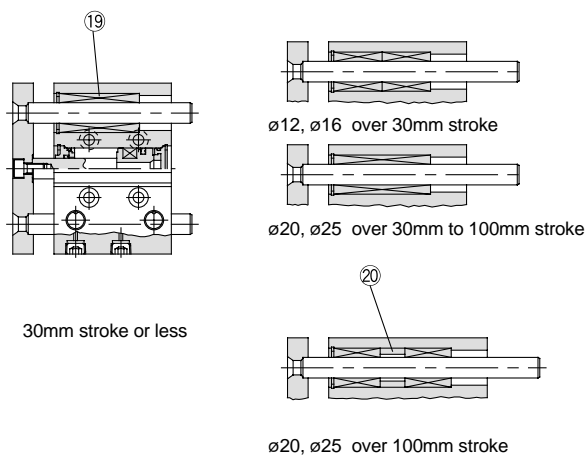
#### Replacement parts: Seal kits

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	

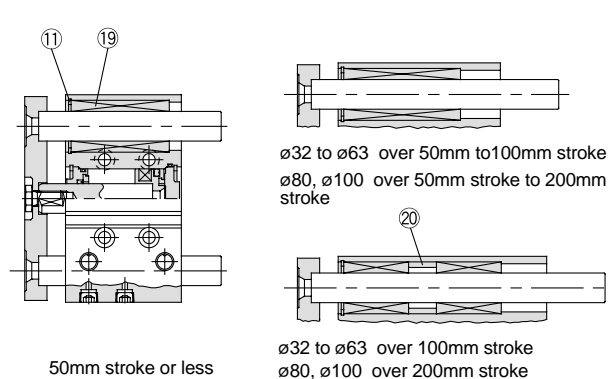
\* Seal kits are sets consisting of items 21 through 24 above, and can be ordered using the order number for each bore size.

### Series MGPL

#### MGPL12 to 25



#### MGPL32 to 100



#### 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
40	MGP40-PS	Kits include items 21, 22, 23, and 24 from the table above.
50	MGP50-PS	
63	MGP63-PS	
80	MGP80-PS	
100	MGP100-PS	