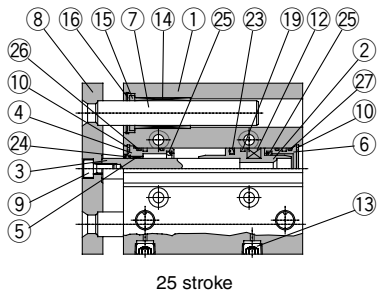


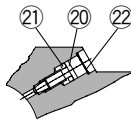
Construction (With air cushion)

Series MGPM

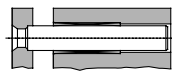
MGPM16 to 25



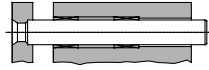
25 stroke



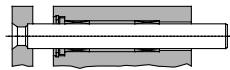
Cushion valve section



ø16: 25 stroke



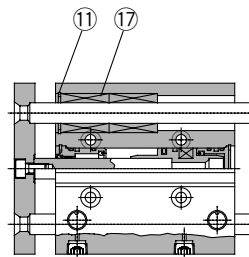
ø16: 50 stroke or more



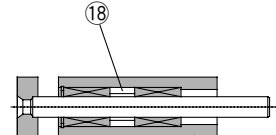
ø20, ø25: 50 stroke or more

Series MGPL

MGPL16 to 25

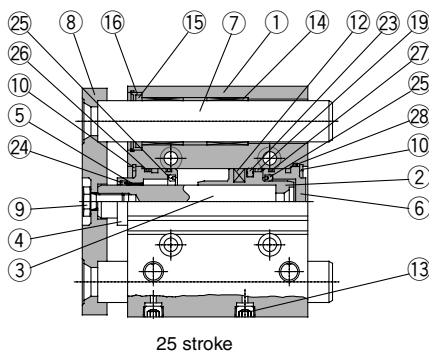


ø20, ø25: 75 stroke or less



ø20, ø25: 100 stroke or more

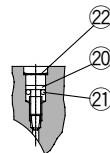
MGPM32 to 100



25 stroke

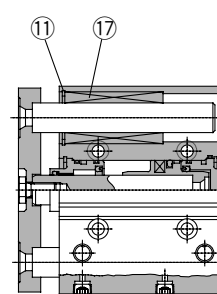


50 stroke or more

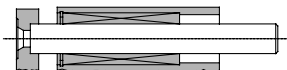


Cushion valve section

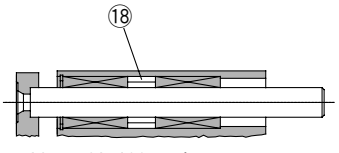
MGPL32 to 100



25 stroke



ø32 to ø63: 50, 75 stroke
ø80, ø100: 50 stroke or more



ø32 to ø63: 100 stroke or more

Component Parts

No.	Description	Material	Note
①	Body	Aluminum alloy	Hard anodized
②	Piston	Aluminum alloy	Chromated
③	Piston rod	Stainless steel	ø16 to ø25
		Carbon steel	ø32 to ø100 Hard chrome plated
④	Collar	Aluminum alloy	ø16 to ø63 Clear anodized
			ø80, ø100 Painted
⑤	Bushing	Lead bronze casting	
⑥	Head cover	Aluminum alloy	ø16 to ø25 Clear anodized
			ø32 to ø100 Painted
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
⑫	Magnet	Magnetic material	
⑬	Plug (M-5P)	Brass	ø16 Nickel plated
		Carbon steel	ø20 to ø100 Nickel plated
⑭	Slide Bearing	Lead-bronze casted	
⑮	Felt	Felt	Except ø16
⑯	Holder	Resin	Except ø16
⑰	Ball bushing		

Component Parts

No.	Description	Material	Note
⑱	Spacer	Aluminum alloy	
⑲	Wear ring	Resin	
⑳	Cushion valve	Steel	
㉑	Gasket	NBR	
㉒	Snap ring	Carbon tool steel	Except ø16
㉓*	Piston seal	NBR	
㉔*	Rod seal	NBR	
㉕*	Cushion seal	Urethane	
㉖*	Gasket A	NBR	
㉗*	Gasket B	NBR	
㉘*	Gasket C	NBR	

Replacement Parts: Seal Kit

Bore size (mm)	Kit no.	Contents	Bore size (mm)	Kit no.	Contents
16	MGP16-A-PS	Set of nos. above ㉓, ㉔, ㉕ ㉖, ㉗, ㉘	50	MGP50-A-PS	Set of nos. above ㉓, ㉔, ㉕ ㉖, ㉗, ㉘
20	MGP20-A-PS		63	MGP63-A-PS	
25	MGP25-A-PS		80	MGP80-A-PS	
32	MGP32-A-PS		100	MGP100-A-PS	
40	MGP40-A-PS				

* Seal kit includes ㉓ to ㉘. Order the seal kit, based on each bore size.