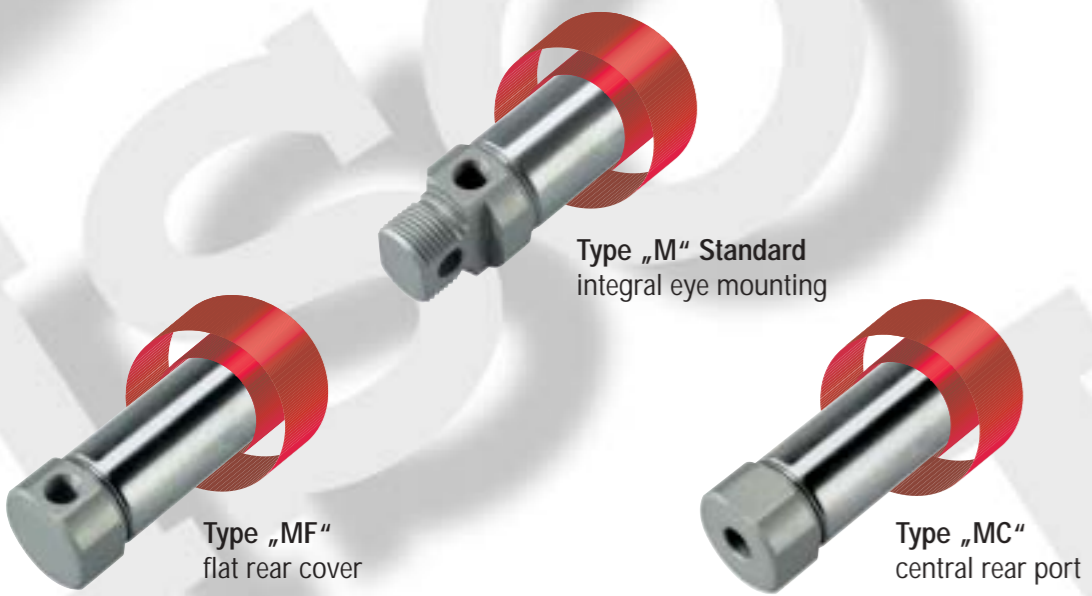


the best solution



Rear Cover Modifications



Type „M“ Standard integral eye mounting

Type „MF“ flat rear cover

Type „MC“ central rear port



IMI Norgren GmbH, Actuator Division  
 Bruckstraße 93, D-46519 Alpen, Germany  
 ☎ +49-2802/49-0, Fax +49-2802/68 04



3/1998 ACP 502

ISO Cylinders

Series RM/28000/M  
 Single Acting  
 Ø 10 to 25 mm



Actuators



Valves



Fittings



Air Line



# Norgren Pneumatics – it couldn't be more simple

- Conforming to ISO 6432
- Low price
- Magnetic piston as standard
- High quality, advanced materials

RM/28000/M, RM/28000/MC, RM/28000/MF



Magnetic piston,  
buffer cushioning,  
Ø 10, 12, 16, 20, 25 mm

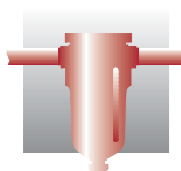


RM/28000/MU

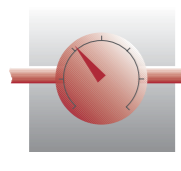


Magnetic piston,  
extended piston rod,  
buffer cushioning,  
Ø 10, 12, 16, 20, 25 mm

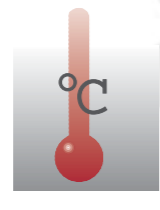
## Technical Data



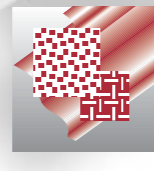
Medium:  
Compressed air, filtered,  
lubricated and non-lubricated



Operating Pressure:  
2 to 10 bar



Operating Temperature:  
-10°C\* to +80°C max.  
\* Consult our Technical Service  
for use below +2°C



Materials:  
Barrel: Stainless steel (Austenitic)  
End covers: Clear anodised aluminium alloy  
Piston rod: Stainless steel (Austenitic)  
Buffer: Polyurethane  
Seals: Nitrile rubber

## Model Codes

RM/28\*\*\*/\*\*/\*\*

<b>Piston Rod Material</b>	Stainless steel (Austenitic)
<b>Threads</b>	Metric Ports: M5 or ISO 228 (G 1/8)
<b>Series</b>	28000
<b>Cylinder Diameters (mm)</b>	<b>Substitute</b>
10	010
12	012
16	016
20	020
25	025
<b>Strokes (mm)</b>	50 max.
<b>Variants</b>	<b>Substitute</b>
Standard with integral eye mounting	M
Central rear port	MC
Flat rear cover	MF
Extended piston rod RM/28***/MU/**/**	MU
	Extension (mm)

Note: Please fill in only the numbers of digits required e.g. RM/28025/M/25  
For combinations of cylinder variants consult our Technical Service.

## Standard Strokes

Cylinder Ø	10	25	50
10	●	●	●
12	●	●	●
16	●	●	●
20	●	●	●
25	●	●	●

## Theoretical Forces

Cylinder Ø	Theoretical forces (N) at 6 bar	
	Outstroke	Instroke F1 (spring force)
10	40,7	3,7
12	57,7	4,8
16	102	10,5
20	165	16,1
25	260	21,6

## Switches

### Reed Switches

QM/45/RAP without LED  
QM/45/LAP with LED  
Normally open  
Cable length 2, 5 or 10 m  
Switch Ø 5 mm  
Nickel plated brass body

QM/33 without LED  
QM/34 with LED  
Normally open or changeover  
Cable length 2, 5 or 10 m  
Switch Ø 8 mm  
Plastic body

QM/34P with LED  
Normally open  
Plug in connector  
Switch Ø 8 mm  
Plastic body

### Solid State

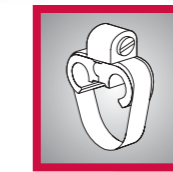
QM/45/EAP with LED  
PNP  
Open collector output  
Cable length 2 or 5 m  
Switch Ø 5 mm  
Nickel plated brass body

QM/134 with LED  
PNP  
Open collector output  
Cable length 2 or 5 m  
Switch Ø 8 mm  
Plastic body

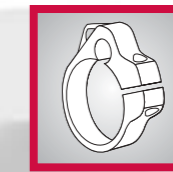
QM/134/P with LED  
PNP  
Open collector output  
Plug in connector  
Switch Ø 8 mm  
Plastic body



## Brackets for Switches



QM/33/0\*\*/23  
for switches QM/33,  
QM 34, QM/134  
(<15 mm stroke)

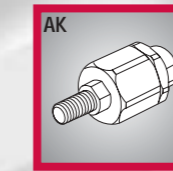


QM/33/0\*\*/22  
for switches QM/33,  
QM 34, QM/134  
(≥15 mm stroke)

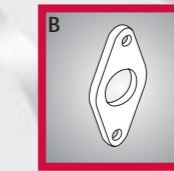


QM/45/2\*\*/22  
for switches QM/45  
  
\*\* Insert Cyl. Ø

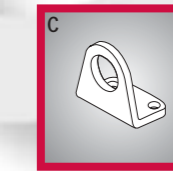
## Mountings



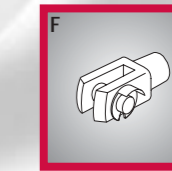
AK  
Piston Rod Swivel  
Mounting



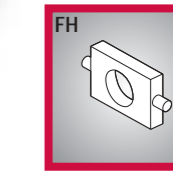
B  
Rear Flange  
Mounting



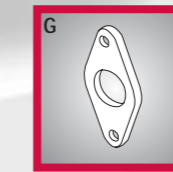
C  
Foot Mounting



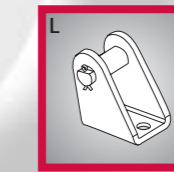
F  
Piston Rod Clevis  
Mounting



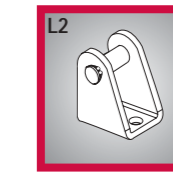
FH  
Head (Cap) Detachable  
Trunnion Mounting



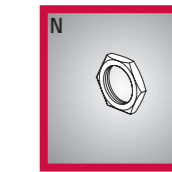
G  
Front Flange  
Mounting



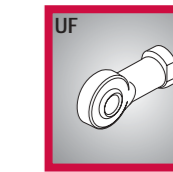
L  
Rear Hinge  
Mounting



L2  
Rear Hinge  
Mounting



N  
Nut



UF  
Universal Piston Rod  
Eye Mounting