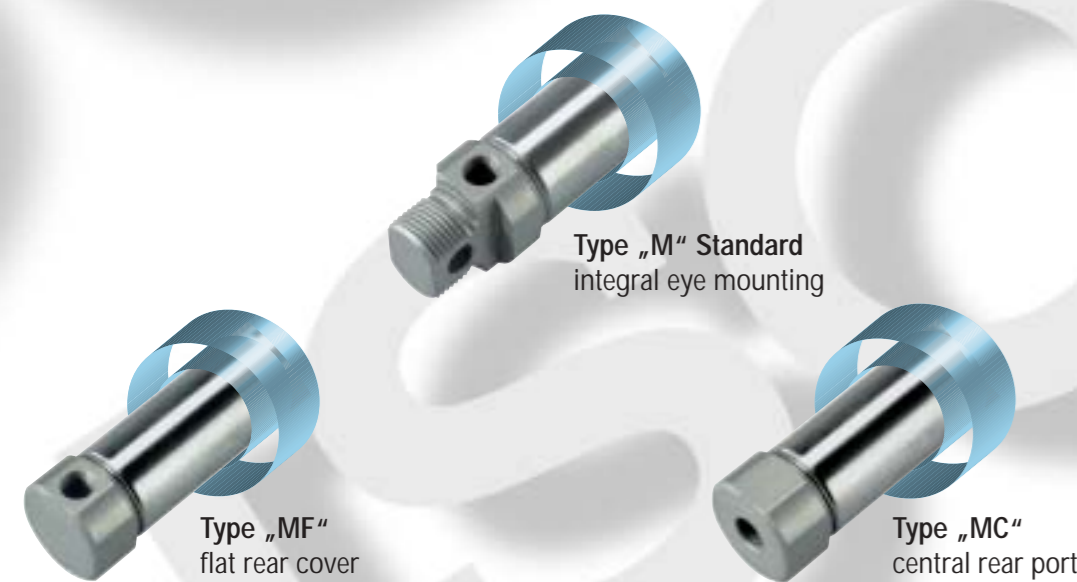


with a wide choice  
of alternatives



Rear Cover Modifications



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



Norgren is a leading world manufacturer and supplier of pneumatic solutions, offering a comprehensive range of pneumatic control and automation components via a global sales and service network which covers 70 countries worldwide. The company is a principal member of the diverse and internationally successful £1 billion IMI Group.



3/1998 ACP 501

## ISO Cylinders

### Series RM/8000/M

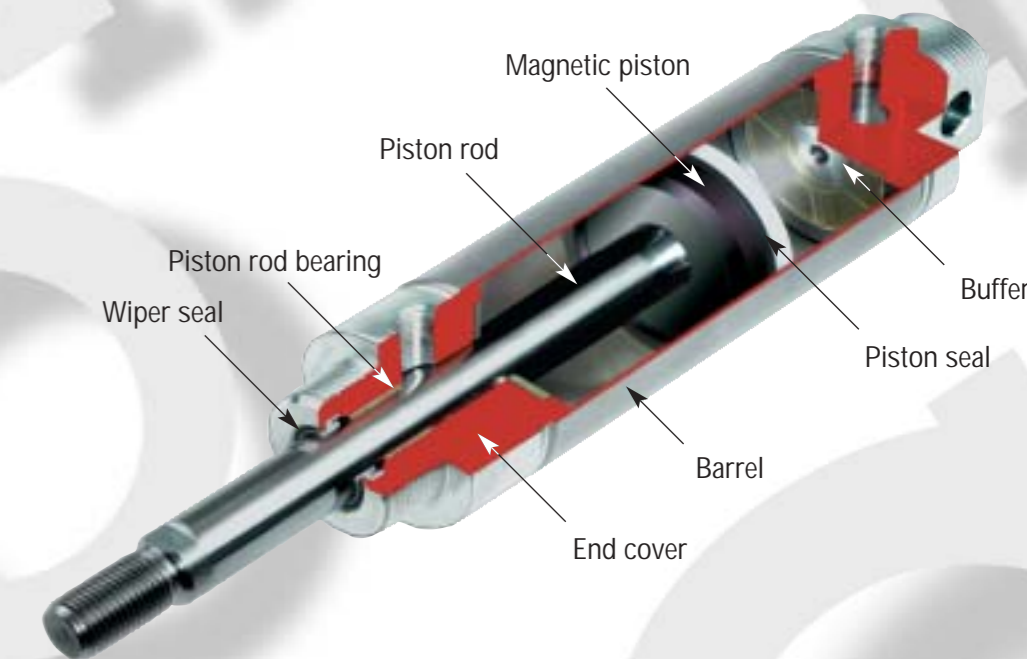
#### Double Acting

Ø 10 to 25 mm



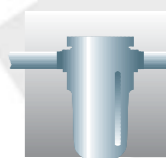
## RM/8000/M offers more than standard

- Conforming to ISO 6432
- Low price
- Magnetic piston as standard
- High quality, advanced materials
- Common to over 70 countries



Technical Data

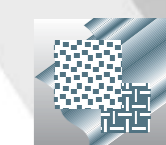
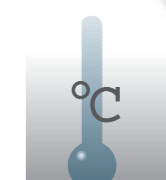
Medium:  
Compressed air,  
filtered, lubricated  
and non-lubricated



Operating Pressure:  
1 to 10 bar



Operating Temperature:  
-10°C\* to +80°C max.  
150°C max. with heat  
resistant seals



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

\*Consult our Technical Service  
for use below +2°C





# Cylinder variants – for all applications

## Model Codes

\*RM/8\*\*\*/\*\*/\*\*\*

<b>Variants (non-magnetic piston)</b> Heat resistant seals, 150°C max.	Substitute	T
<b>Piston Rod Material</b> Stainless steel (Austenitic)		
<b>Threads</b> Metric Ports: M5 or ISO 228 (G 1/8)		
<b>Series</b> 8000		
<b>Cylinder Diameters (mm)</b> Variants with buffer cushioning	Substitute	
10		010
12		012
16		016
20		020
25		025
<b>Cylinder Diameters (mm)</b> Variants with adjustable cushioning	Substitute	
16		017
20		021
25		026

Strokes (mm)	500 max.
<b>Variants (non-magnetic piston)</b> Extended piston rod *RM/8**/IU***/****	Substitute IU
	Extension (mm)
<b>Variants (magnetic piston)</b> Standard with integral eye mounting Central rear port Flat rear cover Non-rotating piston rod Double ended piston rod Locking unit Extended piston rod RM/8**/MU***/****	Substitute M MC MF N2 JM L4 MU
	Extension (mm)

Note: Please fill in only the numbers of digits required e.g. RM/8025/M/25  
For combinations of cylinder variants consult our Technical Service.


### Standard Strokes (buffer cushioning)

Cylinder Ø	Strokes (mm)	10	25	40	50	80	100	125	160	200	250
10		•	•	•	•	•	•	•	•	•	•
12		•	•	•	•	•	•	•	•	•	•
16		•	•	•	•	•	•	•	•	•	•
20		•	•	•	•	•	•	•	•	•	•
25		•	•	•	•	•	•	•	•	•	•

### Standard Strokes (adjustable cushioning)


Cylinder Ø	Strokes (mm)	10	25	40	50	80	100	125	160	200	250
10											
12											
16		•	•	•	•	•	•	•	•	•	•
20		•	•	•	•	•	•	•	•	•	•
25		•	•	•	•	•	•	•	•	•	•

## RM/8000/M, RM/8000/MC, RM/8000/MF




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

## RM/8001/M, RM/8001/MC, RM/8001/MF



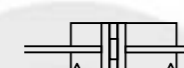
Magnetic piston, adjustable cushioning, Ø 16, 20, 25 mm

## RM/8000/N2



Magnetic piston, non-rotating piston rod, buffer cushioning, Ø 12, 16, 20, 25 mm


## RM/8000/JM



Magnetic piston, double ended piston rod, buffer cushioning, Ø 16, 20, 25 mm




## TRM/8000



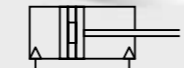
Non-magnetic piston, heat resistant seals (150°C max.), buffer cushioning, Ø 16, 20, 25 mm

## TRM/8000/IU



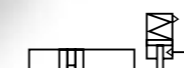
Non-magnetic piston, heat resistant seals (150°C max.), extended piston rod, buffer cushioning, Ø 16, 20, 25 mm

## RM/8000/MU



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

## RM/8000/L4



Magnetic piston, locking units (passive), buffer cushioning, Ø 12, 16, 20, 25 mm



## 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

**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/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

**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)



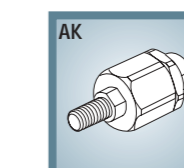
QM/33/0\*\*/22 for switches QM/33, QM 34, QM/134 (≥15 mm stroke)



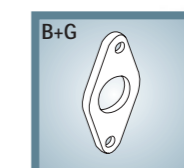
QM/45/2\*\*/22 for switches QM/45

\*\* Insert Cyl. Ø

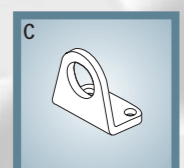
## Mountings



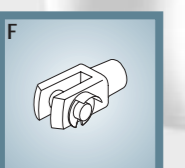
AK Piston Rod Swivel Mounting



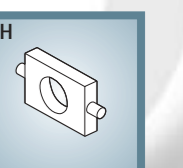
B+G Rear or Front Flange Mounting



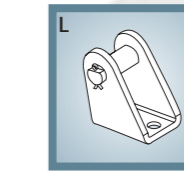
C Foot Mounting




F Piston Rod Clevis Mounting




FH Head (Cap) Detachable Trunnion Mounting



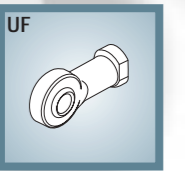
L Rear Hinge Mounting



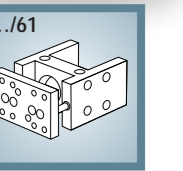
L2 Rear Hinge Mounting



N Nut



UF Universal Piston Rod Eye Mounting



.../61 Guide Blocks with roller bearings