

Ideal for very light load applications such as function testing mobile phones and keyboards

Low friction characteristics mean high speeds

No fittings required - all types feature one integral push on barbed connector

Long service life and corrosion resistant materials mean low cost of ownership



Technical data

Medium:

Compressed air, filtered, lubricated or non-lubricated

Operating pressure:

3,5 to 7 bar

Operating temperature:

0°C to +60°C

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Cylinder diameters:

2,5 and 4mm

Strokes:

5, 10 mm Ø 2,5 mm

5, 10, 15, 20 mm Ø 4 mm

Materials

Barrel: stainless steel

End caps: aluminium alloy

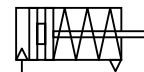
Piston rod: stainless steel

Elastomers: nitrile

Ordering information

To order a basic 2,5 mm diameter cylinder, sprung in with a 10 mm stroke quote:

RM/59102/C/10





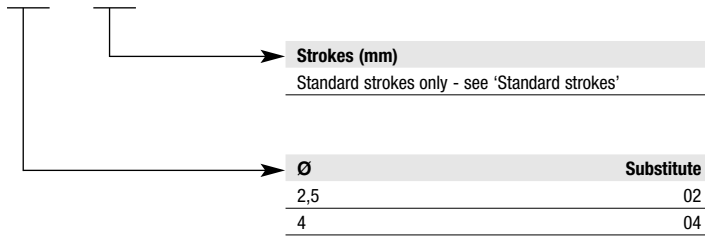
Theoretical forces • Air consumption • Weight of cylinders

Ø mm	Theoretical forces (N) at 6 bar		Air consumption (l/cm) at 6 bar		Weight (kg) by stroke length			
	Outstroke	F1	Instroke	Outstroke	5 mm	10 mm	15 mm	20 mm
2,5	2,9	0,7	0,001	0,001	0,002	0,002	–	–
4	7,6	1,2	0,003	0,003	0,003	0,004	0,005	0,006

F1 = Return force of spring (N)

Options selector

RM/591★★/C/★★

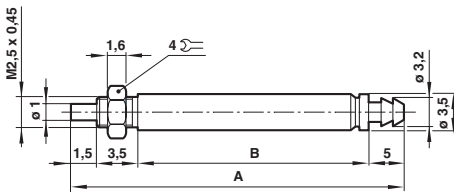


Standard strokes

Cylinder Ø mm	Strokes (mm)			
	5	10	15	20
2,5	●	●		
4	●	●	●	●

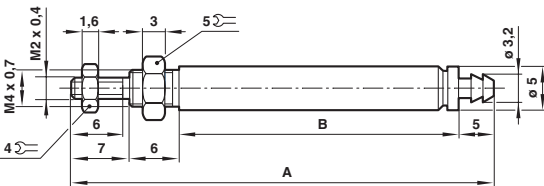
Dimensions

RM/59102/C



	Ø	A	B
RM/59102/C/5	2,5	26,5	16,5
RM/59102/C/10	2,5	35,5	25,5
RM/59104/C/5	4	37	19
RM/59104/C/10	4	46	28
RM/59104/C/15	4	55	37
RM/59104/C/20	4	64	46

RM/59104/C



Note: push-on connector is suitable for 4mm O/D, 2,5 mm I/D polyurethane tubing

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.