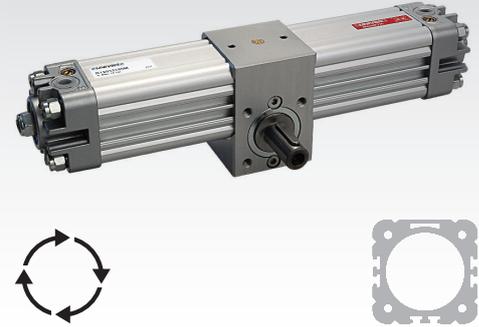


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### CHARACTERISTICS

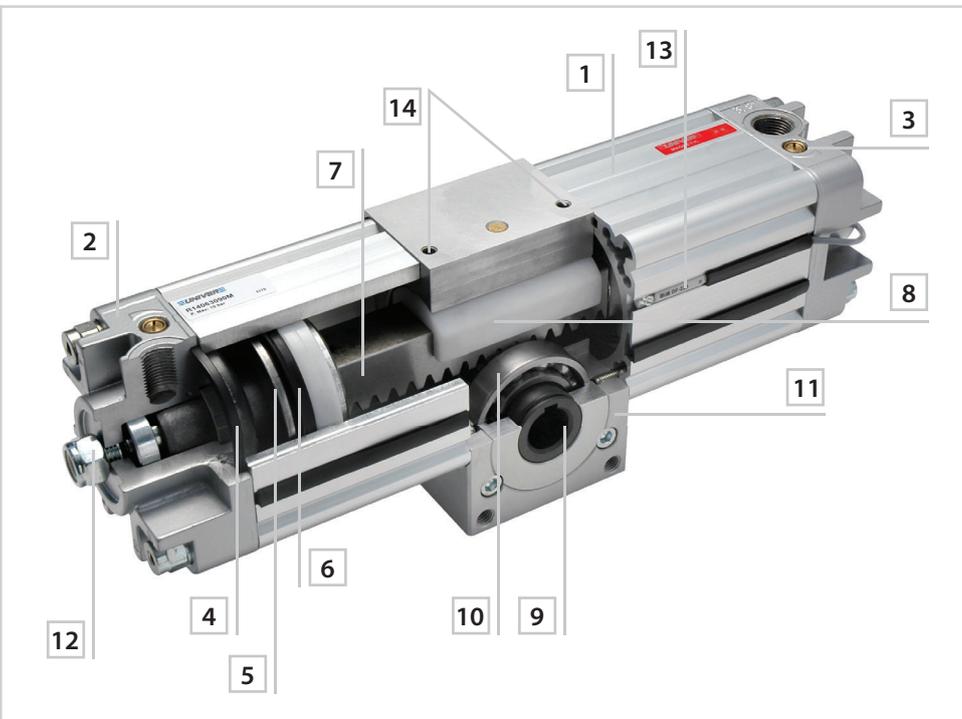
Ambient temperature	-20 ÷ 80 °C
Fluid	filtered air, with or without lubrication
Working pressure	1,5 ÷ 10 bar
End-caps	aluminium
Barrel	aluminium
Piston	die-cast aluminium
Guide slide	acetalic resin
Rack	stainless steel
Piston seal	NBR
Pinion	nitrided steel
Shock absorber seals	NBR
Cushionings	adjustable on both sides (standard supplied)



### CODIFICATION KEY

R	1	1	0	3	2	1	8	0	
1	2	3	4	5					

1 Series	2 Type	3 Bore (mm)	4 Angle of rotation	5 Magnetic
R = Ø 32÷125 mm Pneumatic rotary actuators	<b>11</b> = Male pinion without adjustment (degree of accuracy ± 3°) <b>12</b> = Male pinion with adjustment ± 5° <b>13</b> = Female pinion without adjustment (degree of accuracy ± 3°) <b>14</b> = Female pinion with adjustment ± 5°	<b>032</b> = Ø32 <b>040</b> = Ø40 <b>050</b> = Ø50 <b>063</b> = Ø63 <b>080</b> = Ø80 <b>100</b> = Ø100 <b>125</b> = Ø125	<b>090</b> = 90° <b>180</b> = 180° <b>270</b> = 270° <b>360</b> = 360°	<b>M</b> = Magnetic version



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|--|---|
| <ul style="list-style-type: none"> <li>1. Cylinder barrel: extruded profile in aluminium</li> <li>2. Die-cast end-caps in aluminium</li> <li>3. Adjustable on both sides cushionings</li> <li>4. Shock absorber seals</li> <li>5. Die-cast piston in aluminium alloy and acetalic resin guide slide</li> <li>6. Piston seals in nitrile rubber compound</li> <li>7. Standards-based steel square rack</li> </ul> | <ul style="list-style-type: none"> <li>8. Guide slide for rack with self-adjusting backlash recovery</li> <li>9. Nitrided steel pinion</li> <li>10. Ball bearings for pinion support</li> <li>11. Anodized aluminium central body</li> <li>12. Adjustment screws: angle of rotation ±2,5°</li> <li>13. DF series magnetic sensor</li> <li>14. Screws for backlash recovery</li> </ul> |
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### ACCESSORIES

Ø	DF sensor and DHF covering strip	Cable clamping for DF sensor
32 40 50 63 80 100 125	 DF DHF-0020100	 DF-001