

Techsense Bangladesh Ltd

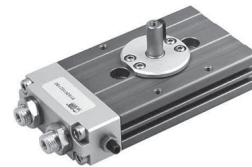
Rotary Actuators Series R2, Code- W1620252180

Actuator with double rack and play take-up. Four sizes – 12, 16, 20 and 25. Two angles of rotation – 90° and 180°. Stroke adjustment system for all sizes. Pneumatic cushioning for all sizes except the smallest. There are slots in the body to house a magnetic proximity sensor. Air supply, stroke adjustment and cushioning adjustment are all on the same side.

TECHNICAL DATA		R2-12	R2-16	R2-20	R2-25
Operating pressure	bar	1.5 to 7			
	MPa	0.15 to 0.7			
Temperature range	psi	22 to 101			
	°C	-10 to +80			
Angle adjustment	degrees	35° (about +10° -25°)			
Fluid		20 µm filtered, lubricated or unlubricated air; lubrication if used, it must be continuous			
Versions		90°/180° rotation			
Ports		Both at the front			
Sizes	mm	12	16	20	25
Theoretical torque (ΔP= pressure in bar)	Nm	0.065 x P	0.11 x P	0.21 x P	0.48 x P
Max. axial load	N	8	14	40	80
Max. radial load	N	8	14	40	80
Weight with 90° rotation	kg	0.18	0.26	0.63	0.8
Weight with 180° rotation	kg	0.21	0.31	0.72	1
Rotation time without load:					
• 90° angle	s	0.2	0.2	0.2	0.2
• 180° angle	s	0.3	0.3	0.3	0.3

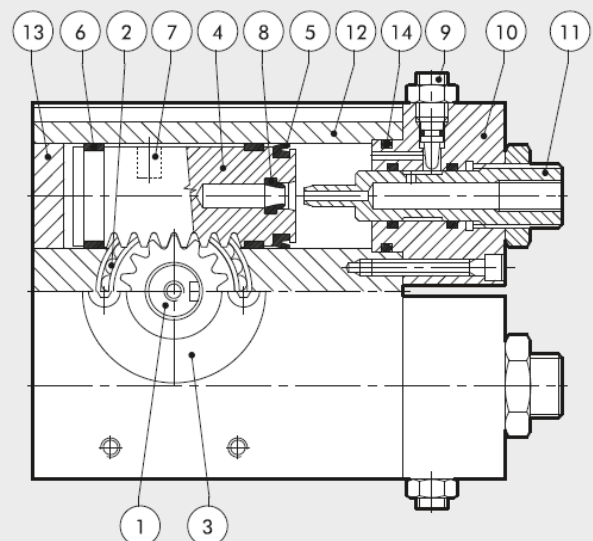
General Attributes

- Type : R2-180°
- Diameter (Bore) : 25 mm



COMPONENTS

- ① ROTARY SHAFT / PINION: hardened and tempered steel
- ② BALL BEARING
- ③ FLANGE: anodised aluminium
- ④ PISTON / RACK: hardened and tempered steel
- ⑤ PISTON GASKET: NBR
- ⑥ GUIDE SHOE: PTFE
- ⑦ MAGNET: neodymium
- ⑧ CUSHIONING GASKET: NBR
- ⑨ CUSHIONING PIN: zinc-plated steel
- ⑩ HEAD: anodised aluminium
- ⑪ PNEUMATIC CONNECTION / STROKE ADJUSTMENT: steel
- ⑫ BARREL: anodised aluminium
- ⑬ BASE: anodised aluminium
- ⑭ SEAL: NBR



For further information please visit : <https://goo.gl/wfoWWW>



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