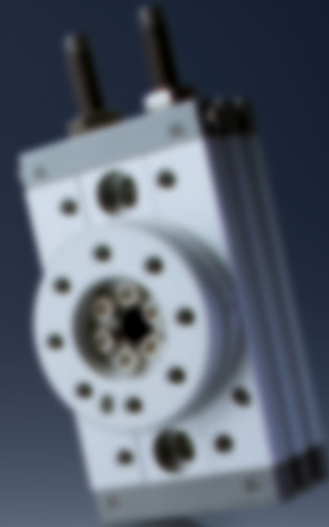


SERIES QR **ROTARY ACTUATOR** **WITH RACK** **AND PINION SYSTEM**



Compact, double-acting, magnetic **Sizes: 7, 10, 20, 30, 50 mm**

The Series QR rotary actuators are cylinders with a double piston, able to provide high torques while ensuring high stability and a precise rotary movement. The rotation angle can be easily set as desired between 0° and 190° by means of adjustment bolts or hydraulic absorbers positioned on one side of the rotary table. The use of shock absorbers allows the dampening of two to five times more kinetic energy than with regulation bolts. The rotary table is compact and allows direct mounting of the load. Their compact design, lightness and ease to combine with EOAT make these actuators particularly suitable for use in the assembly and packaging sectors and any application that requires transfer, tilting or rotation of objects.

- Compact design
- High rotation stability
- Adjustable rotation angle
- Easy to install
- Mechanical or hydraulic shock absorbers
- Can be integrated into manipulation systems

General data

Type of construction	"Rack & Pinion" system
Operation	double-acting
Materials	profile, end blocks and rotor = aluminium rack = steel pinion = steel rack's guide ring = PTFE seals = NBR
Type of mounting	by means of screws in the central body
Sizes	07, 10, 20, 30, 50
Operating temperature	0°C ÷ 70°C
Standard rotation angles	0 - 190°
Minimum rotation angle (with shock absorber)	10 = 66°, 20 = 52°, 30 = 46°, 50 = 70°
Repeatability	<0.2°
Bearings	ball bearings
Operating pressure	1 - 10 bar, 1 - 7 bar (for 7 mm), 1-6 bar (for versions with shock absorber)
Medium	filtered air in class 7.8.4 according to ISO 8573-1 standard. If lubricated air is used, it is recommended to use oil ISOVG32. Once applied the lubrication should never be interrupted.

Coding example

QR	20	A
QR	SERIES	PNEUMATIC SYMBOL CD18
20	SIZE: 07 10 20 30 50	
A	TYPE OF CUSHIONING: A = mechanical stop S = shock absorber	

Pneumatic symbol

The pneumatic symbol indicated in the CODING EXAMPLE is reported below.

