

The RA is a double-acting rotary actuator of very compact design. It has a high torque and small installation dimensions. The actuator has double pistons, which transmit the turning moment to the output shaft.

The toothed piston rods act on the output shaft in a rack-and-pinion type arrangement. Each piston and toothed rod is of integral construction.

The rack-and-pinion type arrangement gives an even turning moment throughout the rotation movement.



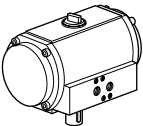
- 90° or 180° rotation
- Shaft with key
- Uniform high torque in both directions

Operating information

Working pressure	Max 10 bar
Working temperature	-20 °C to +80 °C
Operation	Dry air, with or without lubrication

For technical information see CD

Rack & pinion type, RA series

	Angle	Torque Nm at 6 bar	Port size	Order code
	90°	22,8	G1/8	RA2-90
	180°	22,8	G1/8	RA2-180
	90°	45,0	G1/8	RA4-90
	180°	45,0	G1/8	RA4-180
	90°	81,70	G1/8	RA8-90
	180°	81,70	G1/8	RA8-180
	90°	134,0	G1/4	RA12-90
	180°	134,0	G1/4	RA12-180
	90°	224,0	G1/4	RA20-90
	180°	224,0	G1/4	RA20-180

Design Variants

Single acting (90°)

Non-standard turning angle

Other surface treatment

 Indicates stocked product.