

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 transmits 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.



- 5 unit sizes
- Torque from 20 to 200 Nm
- Turning angles of 90° or 180°
- Keyway output shaft
- Direct Namur valve connection

Operating information

Working medium: dry, filtered compressed air
Working pressure: Max, 10 bar
Working temperature: -20°C to +80°C

Prelubricated, further lubrication is not normally necessary.
If additional lubrication is introduced it has to be continued.

Ordering information for RA

Angle	Order code
90°	RA2-90
180°	RA2-180
90°	RA4-90
180°	RA4-180
90°	RA8-90
180°	RA8-180
90°	RA12-90
180°	RA12-180
90°	RA20-90
180°	RA20-180

Material specification

Cylinder block / end covers	Anodised aluminium, natural/black
Pistons	Aluminium
Relief surface bars	Stainless steel
Shaft	Zinc-plated steel
End cover screws	Zinc-plated steel
Seals	Nitrile rubber, NRB
Piston bearings	POM
Shaft bearings	Polyethylene MOS2