



Series RPA

with hollow through rod
Short stroke cylinders
with non-rotating rod

The **Series RPA** short stroke cylinders are double acting actuators with aluminium hollow through rod and mounting stud.

Available in two sizes, \varnothing 20 and \varnothing 30 mm, with different strokes and dimensions of the mounting stud, these actuators are equipped with the non-rotating function of the rod. The **Series RPA** are prepared for the mounting of

magnetic sensors (Series CSD), in fact, on the external profile, along the cylinder tube, you can find sensor positioning slots.

Their compact and light design together with the adopted technical solutions make these cylinders suitable to be used, combined with suction pads, in End Of Arm Tooling (EOAT) systems, especially in the sector of plastic injection moulding.

CLEAN AND ROBUST DESIGN

LIGHT

FIXING FROM THE BODY OR WITH MOUNTING STUD

HARD ANODIZED ALUMINIUM ROD

HOLLOW THROUGH ROD

NON-ROTATING ROD

SLOTS ON BOTH SIDES FOR THE POSITIONING OF MAGNETIC PROXIMITY SWITCHES

LARGE RANGE OF STANDARD STROKES AND MOUNTING STUD DIMENSIONS

General data

Type of construction	Short stroke
Operation	Double acting, hollow through rod
Materials	Anodized aluminium body, piston and rod, HNBR seals
Operating pressure	2 ÷ 8 bar
Operating temperature	5°C ÷ 60°C
Medium	Filtered air in class 7.4.4 according to ISO 8573-1
Lubrication	Not necessary. A pre-lubrication is performed on the cylinder. In case lubricated air is used, we recommend ISOVG32 oil and to never interrupt lubrication.
Mounting	Stud / threaded holes on the body
Use with external sensors	Slots on both sides for Series CSD sensors
Anti-rotation function	With self-lubricating technopolymer anti-friction pads

Technical specifications

Models	RPA20R010A14	RPA20R010A20	RPA20R025A14	RPA30R015A20	RPA30R030A20	RPA30R050A20
Bore	ø 20 mm	ø 20 mm	ø 20 mm	ø 30 mm	ø 30 mm	ø 30 mm
Force (6 bar)	130 N	130 N	130 N	300 N	300 N	300 N
Stroke	10 mm	10 mm	25 mm	15 mm	20 mm	50 mm
Air consumption	5 cm ³	5 cm ³	12 cm ³	16 cm ³	30 cm ³	46 cm ³
Actuation time	20 ms	20 ms	50 ms	60 ms	150 ms	250 ms
Stud diameter	ø 14 mm	ø 20 mm	ø 14 mm	ø 20 mm	ø 20 mm	ø 20 mm
Weight	50 g	65 g	75 g	110 g	145 g	195 g

Coding example

RPA	20	R	010	A	20
RPA	SERIES				
20	BORE: 020 = 20 mm 030 = 30 mm				
R	VERSION: R = non-rotating				
010	STROKE: 010 = 10 mm 015 = 15 mm 020 = 20 mm 025 = 25 mm 050 = 50 mm				
A	CONSTRUCTION: A = standard				
20	STUD: 14 = 14 mm 20 = 20 mm				