



PDA double-acting is a complete pneumatic piston with a double cup seal and a vulcanised metal disc support. It performs three functions: sealing, guiding and cushioning.

Operating conditions

Pressure	$\leq 1,2 \text{ MPa}$
Temperature	-30°C to $+100^{\circ}\text{C}$
Speed	$\leq 1 \text{ m/s}$

Materials

Seal ①	NBR 80 Sh A
Body ②	Aluminium

Assembly

Sharp edges should be removed from around the housing in order to avoid damaging the seal lips during installation. A lead-in chamfer on the tube will ease installation.

Advantages

Immediate response (full pressure load) thanks to incorporated venting channels.

Cushioning buffers on the piston's front faces with integrated ventilation ducts provide for mechanical cushioning of the cylinders.

Low assembly height of the complete piston enables short cylinder designs.

Easy installation due to integrated static sealing function.

Please contact us for applications approaching maximum values.

D	d	H	B	d1	h	Reference
20	6	7,5	6,3	8,8	2,9	PDA-020
25	7	8,8	7	10,8	3,5	PDA-025
32	8	11	8	12,5	3,5	PDA-032
40	8	11,8	8,8	17	4,5	PDA-040
50	10	14	10	26	4,5	PDA-050
63	12	14	10	26	4,5	PDA-063
80	16	16	12	30	5,5	PDA-080
100	20	18	14	35	6,5	PDA-100