



# Large pneumatic cylinders

P2500-series with composite tube



Polarteknik

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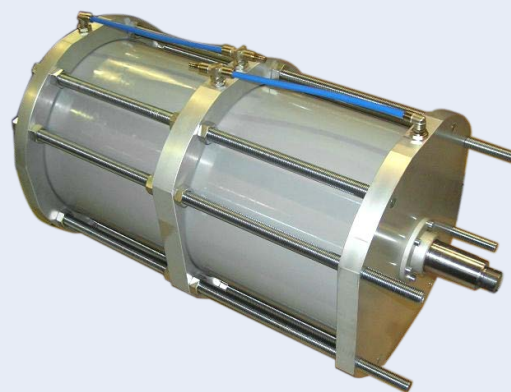
Large pneumatic cylinders are designed for applications, such as operation of pinch valves, in which strong thrust force generated by means of compressed air is needed. Cylinder thrust force even up to 365 kN ( $\varnothing$  30",  $p=8$  bar).

### Benefits:

- high thrust force by means of pneumatic operation
- lightness through use of composite tubes and aluminum end caps
- corrosion resistance
- several different constructions available
  - single acting cylinder
  - double acting cylinder
  - spring-return cylinders
  - tandem-cylinders



Technical data	
Max. operation pressure	8 bar
Operation temperature range	- 20 °C...+120 °C
Medium	filtered compressed air
Max. stroke	2,4 m
Without end cushioning	
Piston rod seals and bearing can be replaced without disassembling the cylinder.	
Cylinder thrust force with different diameters, $p = 6$ bar	
$\varnothing$ 16" (406,4 mm)	78 kN
$\varnothing$ 20" (508 mm)	122 kN
$\varnothing$ 24" (609,6 mm)	175 kN
$\varnothing$ 28" (711,2 mm)	238 kN
$\varnothing$ 30" (762 mm)	274 kN



Tandem-cylinder

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