

# BENCOR (Pty) Ltd.

Hydraulic cylinders



## Hydraulic cylinders type BZ, P, PF and PS

Our product range covers single acting cylinders type BZ as well as double acting cylinders type P, PF, PS.

Type BZ is non self returning and retracts by means of external forces.

They are either mounted on their facial side or with bolts via cross drillings in the cylinder. The double acting cylinders type P, PF, PS are hydraulically extended and retracted. The mounting is on the facial side with type P, by means of a flange welded at the area of the rod guide with type PF and with eye type bearings with type PS

Forces of up to 70 tons with strokes of up to 1800 mm can be achieved, depending on piston diameter and cylinder length. There are also special

versions with reduced or increased stroke.



Nomenclature: Hydraulic cylinder (single and double acting)

$P_{max}$ : 280 ... 380 bar

$F_{max}$ : 1 000 ... 700 000 N

### Basic types and general parameters

Basic type and size	Stroke <sub>max</sub> (mm)	$F_{max}$ (N <sup>1)</sup>	Pressure $P_{max}$ (bar)	Connection thread	Symbol		
<b>Single acting</b>							
20	800	12000	380	G 1/2			
25	800	19000	380				
30	800	24000					
<b>BZ</b> 36	1200	32000	350				
45	1200	58000					
55	1200	90000					
70	1500	120000	300				
85	1500	170000	300				
<b>Double acting</b>							
30/20	800	25000	350			G 1/2	
40/30	1000	42000					
50/36	1000	70000					
<b>P</b> 65/45	1200	120000					
<b>PF</b> 80/55	1500	180000					
<b>PS</b> 100/70	1500	220000		280			
120/85	1500	310000		280			
140/100	1800	540000		350			
160/120	1800	700000		350			

<sup>1)</sup> pressure forces