

# FLAT CYLINDERS | spring return



## Features & benefits

- Compact, flat version, efficient in case of limited insertion space
- Usable in all positions
- Standard provided with fixing holes for easy assembly
- Protected against ejection of the plunger
- Dirt scraper ring
  - Protects against pollution
  - Increases the life span
- Splined plunger, no saddle needed

Hydraulic pumps	57
Hydraulic hoses	73
Pressure gauges	76

## Standard supplied with

- High Flow female coupler A 118

specifications		HFC 5 S 1.5	HFC 10 S 1.5	HFC 20 S 1.5	HFC 30 S 1.5
art no		100.112.291	100.112.292	100.112.293	100.112.295
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72
<b>tonnage</b>	<b>t</b>	<b>5</b>	<b>10</b>	<b>20</b>	<b>30</b>
<b>stroke</b>	<b>mm</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>closed height</b>	<b>mm</b>	<b>44</b>	<b>46</b>	<b>55</b>	<b>60</b>
<b>diameter (B)</b>	<b>mm</b>	<b>60</b>	<b>85</b>	<b>100</b>	<b>116</b>
capacity	kN/t	50.9 / 5.2	99.8 / 10.2	203.6 / 20.8	318.1 / 32.4
effective pressure area	cm <sup>2</sup>	7.1	13.9	28.3	44.2
required oil content (effective)	cc	11	28.8	42.4	66.3
connection		A 118	A 118	A 118	A 118
hose					
cylinder type		flat	flat	flat	flat
acting type		single	single	single	single
return type		spring	spring	spring	spring
material		steel	steel	steel	steel
weight, ready for use	kg	1.0	1.6	2.9	4.2

specifications		HFC 50 S 1.5	HFC 75 S 1.5	HFC 100 S 1.5
art no		100.112.296	100.112.297	100.112.298
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72
<b>tonnage</b>	<b>t</b>	<b>50</b>	<b>75</b>	<b>100</b>
<b>stroke</b>	<b>mm</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>closed height</b>	<b>mm</b>	<b>71</b>	<b>80</b>	<b>90</b>
<b>diameter (B)</b>	<b>mm</b>	<b>140</b>	<b>165</b>	<b>190</b>
capacity	kN/t	510.4 / 52	747.9 / 76.3	1030.5 / 105.1
effective pressure area	cm <sup>2</sup>	70.9	103.9	143.1
required oil content (effective)	cc	106	156	215
connection		A 118	A 118	A 118
cylinder type		flat	flat	flat
acting type		single	single	single
return type		spring	spring	spring
material		steel	steel	steel
weight, ready for use	kg	7.0	11.0	18.1

