



Features & benefits ↓

- Usable in all positions
- Protected against ejection of the plunger
- Protected against overpressure on return side
- Hollow saddle
 - Prevents damage to the plunger
 - Easy to replace with threaded or flat saddle

Standard supplied with ↓

- High Flow female coupler A 118 on inlet port
- High Flow female coupler with pressure relief valve A 418 on outlet port
- Hollow saddle

Available on request ↓

- Cylinders manufactured in conformity with customer specifications
- Collar thread
- Base mounting holes

Accessories ↓

- Saddles: threaded and flat saddles

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Hollow saddle



Hollow Plunger Cylinders - Hydraulic Return


model	HHJ 30 H 15	HHJ 60 H 20	HHJ 100 H 10	HHJ 100 H 20
art no	100.122.045	100.122.031	100.122.051	100.122.053
max. working pressure	bar/Mpa 720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t 30	60	100	100
stroke	mm 150	200	100	200
closed height	mm 285	334	265	395
capacity (press)	kN/t 293.7 / 29.9	610.4 / 62.2	1018.5 / 103.9	1018.5 / 103.9
capacity (retract)	kN/t 131 / 13.4	452.4 / 46.1	706.9 / 72.1	706.9 / 72.1
effective pressure area (press)	cm ² 40.8	84.8	141.5	141.5
effective pressure area (retract)	cm ² 18.2	62.8	98.2	98.2
required oil content (press)	cc 613	1696	1415	2830
required oil content (retract)	cc 274	1256	982	1964
connection	A 118	A 118	A 118	A 118
cylinder type	hollow plunger	hollow plunger	hollow plunger	hollow plunger
acting type	double	double	double	double
return type	hydraulic	hydraulic	hydraulic	hydraulic
material	steel	steel	steel	steel
weight, ready for use	kg 23.0	40.0	53.0	78.0

Hollow Plunger Cylinders - Hydraulic Return (dimensions)


model	HHJ 30 H 15	HHJ 60 H 20	HHJ 100 H 10	HHJ 100 H 20
dimension A	mm 285	334	265	395
dimension B	mm 120	166	210	210
dimension C	mm 70	80	100	100
dimension D1	mm 70	70	70	70
dimension D2	mm 85	85	85	85
dimension E	mm 40	41	52	52
dimension F	mm 275	319	245	375
dimension P	mm 50	39	55	75
dimension R	mm 33	45	54	54
dimension S	threadsize M50x1,5	M65x1,5	M72x2	M72x2
I type	I ₂	I ₂	I ₁	I ₁

