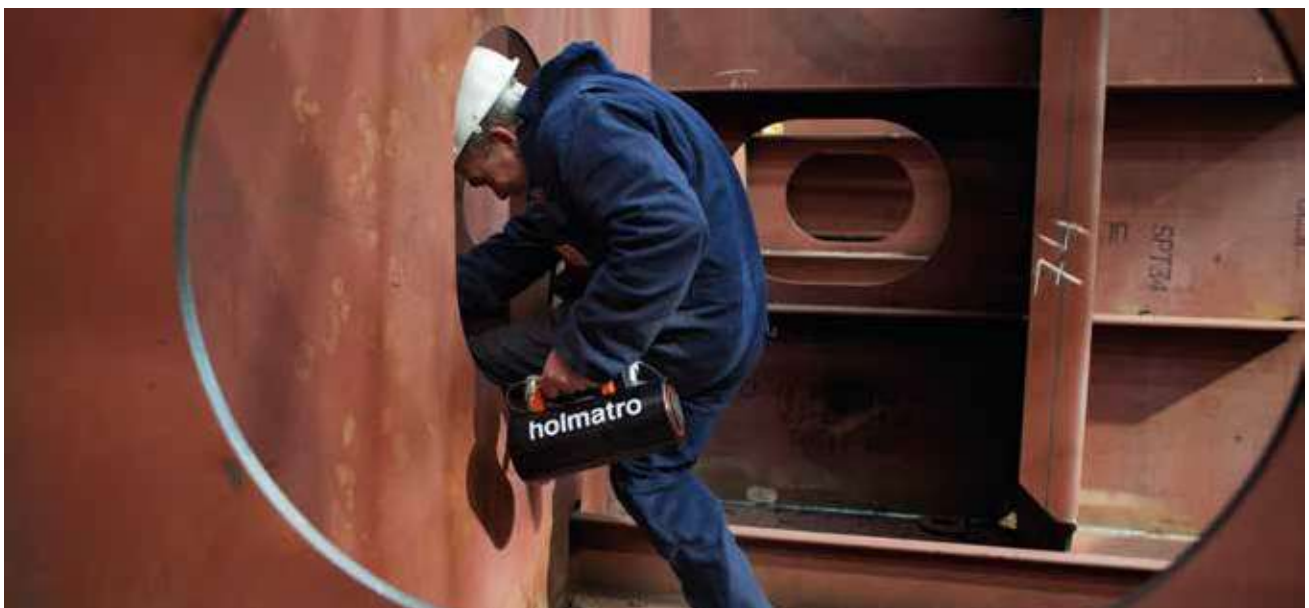


specifications		HAC 100 H 5	HAC 100 H 10	HAC 100 H 15	HAC 150 H 5	HAC 150 H 10	HAC 150 H 15
art no		100.122.094	100.122.109	100.122.107	100.122.075	100.122.074	100.122.073
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	100	100	100	150	150	150
stroke	mm	50	100	150	50	100	150
closed height	mm	246	296	346	248	298	348
diameter (B)	mm	195	195	195	235	235	235
capacity	kN/t	1030.6 / 105.1	1030.6 / 105.1	1030.6 / 105.1	1539.5 / 157	1539.5 / 157	1539.5 / 157
effective pressure area (press)	cm ²	143.1	143.1	143.1	213.8	213.8	213.8
effective pressure area (retract)	cm ²	56.5	56.5	56.5	91.1	91.1	91.1
required oil content (press)	cc	716	1431	2147	1069	2138	3207
required oil content (retract)	cc	283	565	848	456	911	1367
connection		A 118	A 118	A 118	A 118	A 118	A 118
cylinder type		standard	standard	standard	standard	standard	standard
acting type		double	double	double	double	double	double
return type		hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
material		aluminium	aluminium	aluminium	aluminium	aluminium	aluminium
weight, ready for use	kg	19.7	23.0	26.9	27.7	32.3	38.0



HIGH TONNAGE CYLINDERS | gravity return



Features & benefits

- Usable in all positions
- Protected against ejection of the plunger
- Flat saddle
 - Prevents damage to the plunger
 - Easy to replace with tilting saddle

Tilting saddles	53
Hydraulic pumps	57
Hydraulic hoses	73
Pressure gauges	76

Standard supplied with

- High Flow female coupler A 118
- Flat saddle

specifications		HJ 50 G 6	HJ 50 G 15	HJ 50 G 30	HJ 100 G 6	HJ 100 G 15	HJ 100 G 30
art no		100.112.073	100.112.035	100.112.036	100.112.093	100.112.039	100.112.040
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	50	50	50	100	100	100
stroke	mm	60	150	300	60	150	300
closed height	mm	142	282	463	158	309	497
diameter (B)	mm	130	130	130	185	178	178
capacity	kN/t	510.3 / 52	510.3 / 52	510.3 / 52	1029.3 / 105	1029.3 / 105	1029.3 / 105
effective pressure area	cm ²	70.9	70.9	70.9	143	143	143
required oil content (effective)	cc	425	1064	2127	860	2145	4290
connection		A 118	A 118	A 118	A 118	A 118	A 118
cylinder type		high tonnage	high tonnage	high tonnage	high tonnage	high tonnage	high tonnage
acting type		single	single	single	single	single	single
return type		gravity	gravity	gravity	gravity	gravity	gravity
material		steel	steel	steel	steel	steel	steel
weight, ready for use	kg	12.5	27.0	39.5	29.0	51.0	82.0

specifications		HJ 150 G 15	HJ 150 G 30	HJ 200 G 15	HJ 200 G 30	HJ 300 G 15	HJ 300 G 30
art no		100.112.046	100.112.047	100.112.048	100.112.049	100.112.050	100.112.099
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	150	150	200	200	300	300
stroke	mm	150	300	150	300	150	300
closed height	mm	317	502	327	507	382	547
diameter (B)	mm	227	227	261	261	316	316
capacity	kN/t	1538.9 / 156.9	1538.9 / 156.9	2040.6 / 208.1	2040.6 / 208.1	2933 / 299.1	2933 / 299.1
effective pressure area	cm ²	213.8	213.8	283.5	283.5	415	415
required oil content (effective)	cc	3207	6414	4253	8505	6225	12450
connection		A 118	A 118	A 118	A 118	A 118	A 118
cylinder type		high tonnage	high tonnage	high tonnage	high tonnage	high tonnage	high tonnage
acting type		single	single	single	single	single	single
return type		gravity	gravity	gravity	gravity	gravity	gravity
material		steel	steel	steel	steel	steel	steel
weight, ready for use	kg	74.6	125.3	120.0	184.0	238.0	257.0



HIGH TONNAGE CYLINDERS | hydraulic return



Features & benefits

- Usable in all positions
- Protected against ejection of the plunger
- Flat saddle
 - Prevents damage to the plunger
 - Easy to replace with tilting saddle

Tilting saddles	53
Hydraulic pumps	57
Hydraulic hoses	73
Pressure gauges	76

Standard supplied with

- High Flow female coupler A 118
- Flat saddle

specifications		HJ 50 H 15	HJ 50 H 30	HJ 100 H 5	HJ 100 H 15	HJ 100 H 30	HJ 150 H 15
art no		100.122.002	100.122.022	100.122.009	100.122.052	100.122.054	100.122.061
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	50	50	100	100	100	150
stroke	mm	150	300	50	150	300	150
closed height	mm	282	463	170	309	497	317
diameter (B)	mm	130	130	178	178	178	227
capacity	kN/t	510.3 / 52	510.3 / 52	1029.3 / 105	1029.3 / 105	1029.3 / 105	1538.9 / 156.9
effective pressure area (press)	cm ²	70.9	70.9	143	143	143	213.8
effective pressure area (retract)	cm ²	20.6	20.6	56.6	56.6	56.6	110
required oil content (press)	cc	1064	2127	716	2145	4290	3207
required oil content (retract)	cc	309	620	283	848	1695	1650
connection		A 118	A 118	A 118	A 118	A 118	A 118
cylinder type		high tonnage	high tonnage	high tonnage	high tonnage	high tonnage	high tonnage
acting type		double	double	double	double	double	double
return type		hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
material		steel	steel	steel	steel	steel	steel
weight, ready for use	kg	27.0	44.0	29.0	53.0	85.0	76.0