

ALUMINIUM CYLINDERS | spring return



Features & benefits

- 50% lighter cylinders; easy to work with and better for the welfare of the user
- Duo Power Ring; seal, bearings and resistance to side loads to a maximum of 10% for a longer life span
- The plunger is specially coated with a hardened anodised layer that makes it extremely wear and corrosion resistant
- The XL Saddle optimally protects the plunger and guides the load as effectively as possible
- All cylinders meet the stringent quality requirements that Holmatro enforces for its products

Aluminium versus steel: aluminium cylinders offer an easy to handle alternative to steel. They should last a lifetime of use in average heavy duty lifting applications.

Standard supplied with

- High Flow female coupler A 118
- Flat saddle

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

Additional information

specifications		HAC 20 S 5	HAC 20 S 10	HAC 20 S 15	HAC 30 S 5	HAC 30 S 10	HAC 30 S 15
art no		100.112.267	100.112.265	100.112.261	100.112.269	100.112.268	100.112.262
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	20	20	20	30	30	30
stroke	mm	50	100	150	50	100	150
closed height	mm	164	214	264	182	232	282
diameter (B)	mm	82	82	82	106	106	106
capacity	kN/t	204 / 20.8	204 / 20.8	204 / 20.8	318.1 / 32.4	318.1 / 32.4	318.1 / 32.4
effective pressure area	cm ²	28.3	28.3	28.3	44.2	44.2	44.2
required oil content (effective)	cc	141	283	424	221	442	663
connection		A 118	A 118	A 118	A 118	A 118	A 118
cylinder type		standard	standard	standard	standard	standard	standard
acting type		single	single	single	single	single	single
return type		spring	spring	spring	spring	spring	spring
material		aluminium	aluminium	aluminium	aluminium	aluminium	aluminium
weight, ready for use	kg	2.6	3.2	3.9	4.7	5.9	7.0

specifications		HAC 50 S 5	HAC 50 S 10	HAC 50 S 15	HAC 100 S 5	HAC 100 S 10	HAC 100 S 15
art no		100.112.271	100.112.270	100.112.263	100.112.273	100.112.272	100.112.264
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	50	100	150	50	100	150
closed height	mm	183	233	283	225	275	325
diameter (B)	mm	130	130	130	189	189	189
capacity	kN/t	510.4 / 52	510.4 / 52	510.4 / 52	1030.6 / 105.1	1030.6 / 105.1	1030.6 / 105.1
effective pressure area	cm ²	70.9	70.9	70.9	143	143	143
required oil content (effective)	cc	354	709	1063	716	1431	2147
connection		A 118	A 118	A 118	A 118	A 118	A 118
cylinder type		standard	standard	standard	standard	standard	standard
acting type		single	single	single	single	single	single
return type		spring	spring	spring	spring	spring	spring
material		aluminium	aluminium	aluminium	aluminium	aluminium	aluminium
weight, ready for use	kg	6.9	8.3	9.6	17.8	20.9	24.1



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specifications		HAC 30 H 5	HAC 30 H 10	HAC 30 H 15	HAC 50 H 5	HAC 50 H 10	HAC 50 H 15
art no		100.122.086	100.122.085	100.122.080	100.122.095	100.122.108	100.122.097
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	30	30	30	50	50	50
stroke	mm	50	100	150	50	100	150
closed height	mm	197	247	297	201	251	301
diameter (B)	mm	125	125	125	145	145	145
capacity	kN/t	318.1 / 32.4	318.1 / 32.4	318.1 / 32.4	510.4 / 52	510.4 / 52	510.4 / 52
effective pressure area (press)	cm ²	44.2	44.2	44.2	70.9	70.9	70.9
effective pressure area (retract)	cm ²	11	11	11	32.4	32.4	32.4
required oil content (press)	cc	221	442	663	354	709	1063
required oil content (retract)	cc	55	110	165	162	324	486
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	6.9	8.5	10.2	9.5	11.5	13.3

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

