



Features & benefits ↓

- 50% lighter cylinders; easy to work with and better for the welfare of your employees
- Duo Power Ring; seal, bearing and resistance to lateral 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
- A range of more than 12 models with different tonnages and stroke lengths
- Almost all cylinders have a handle

Standard supplied with ↓

- High Flow female coupler A 118
- Flat saddle

Available on request ↓

- Collar thread
- Base mounting holes
- Steel plate for protection of the cylinder bottom
- Cylinders manufactured in conformity with customer specifications

Additional information ↓

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. However, aluminium cylinders should NOT be used in high cycle applications. Aluminium cylinders obtained from Holmatro are designed to safely withstand up to 5,000 cycles at their maximum working pressure.

Tilting Saddles	page	97
Hydraulic Pumps	page	139
Hydraulic Hoses	page	166
Pressure Gauges	page	171

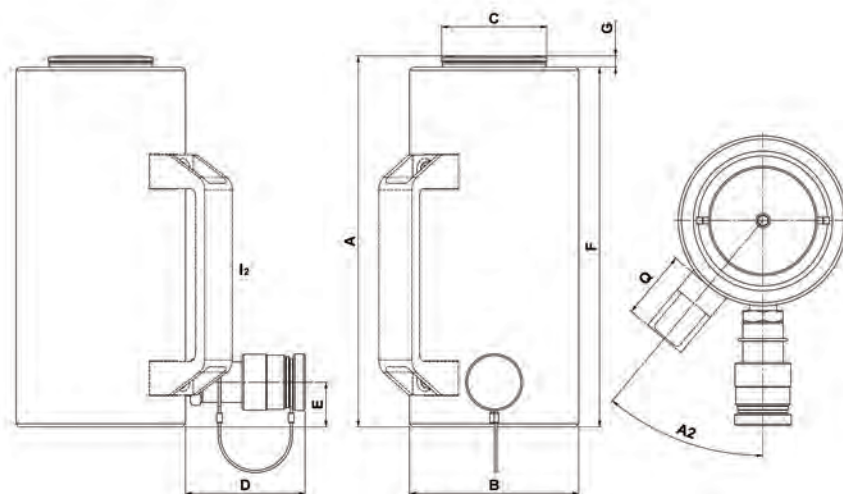


Aluminium Cylinders - Spring Return


model		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
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

Aluminium Cylinders - Spring Return (dimensions)


model		HAC 20 S 5	HAC 20 S 10	HAC 20 S 15	HAC 30 S 5	HAC 30 S 10	HAC 30 S 15
dimension A	mm	164	214	264	182	232	282
dimension B	mm	82	82	82	106	106	106
dimension C	mm	52	52	52	66	66	66
dimension D	mm	76	76	76	76	76	76
dimension E	mm	25	25	25	28	28	28
dimension F	mm	157	207	257	175	225	275
dimension G	mm	7	7	7	7	7	7
dimension Q	mm					43	43
angle A2	°					40	40
l type						l ₂	l ₂



Aluminium Cylinders - Spring Return


model		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
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

Aluminium Cylinders - Spring Return (dimensions)


model		HAC 50 S 5	HAC 50 S 10	HAC 50 S 15	HAC 100 S 5	HAC 100 S 10	HAC 100 S 15
dimension A	mm	183	233	283	225	275	325
dimension B	mm	130	130	130	189	189	189
dimension C	mm	72	72	72	107	107	107
dimension D	mm	76	76	76	76	76	76
dimension E	mm	30	30	30	35	35	35
dimension F	mm	175	225	275	217	321	317
dimension G	mm	8	8	8	8	8	8
dimension Q	mm		44	44	44	44	44
angle A2	°		40	40	40	40	40
l type			l ₂	l ₂	l ₂	l ₂	l ₂

