

MULTI PURPOSE CYLINDERS | spring return



Features & benefits

- A range of products with different tonnages and stroke lengths
- Collar thread and base mounting holes
- Internal plunger thread on all models to 50 tons
- Duo Power Ring; seal, bearings and resistance to side loads to a maximum of 10% for a longer life span (image 1 and 2)
- Duplex Power Coating makes the plunger corrosion-resistant (image 3)
- XL Saddle+ protects the plunger and limits eccentric loads (image 4)
- Thread Protector protects the thread on the cylinder housing

Standard supplied with

- High Flow female coupler A 118
- Flat saddle

Accessories	49
Tilting saddles	53
Hydraulic pumps	57
Hydraulic hoses	73
Pressure gauges	76



specifications		HGC 5 S 5	HGC 5 S 7.5	HGC 5 S 12.5	HGC 5 S 17.5	HGC 10 S 5	HGC 10 S 10
art no		100.112.212	100.112.213	100.112.215	100.112.216	100.112.219	100.112.220
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	5	5	5	5	10	10
stroke	mm	50	75	125	175	50	100
closed height	mm	130	155	206	268	122	172
diameter (B)	mm	40	40	40	40	60	60
capacity	kN/t	51 / 5.2	51 / 5.2	51 / 5.2	51 / 5.2	100 / 10.2	100 / 10.2
effective pressure area	cm ²	7.1	7.1	7.1	7.1	13.9	13.9
required oil content (effective)	cc	35	53	88	124	69	139
connection		A 118	A 118	A 118	A 118	A 118	A 118
cylinder type		multi purpose	multi purpose	multi purpose	multi purpose	multi purpose	multi purpose
acting type		single	single	single	single	single	single
return type		spring	spring	spring	spring	spring	spring
material		steel	steel	steel	steel	steel	steel
weight, ready for use	kg	1.3	1.5	1.8	2.3	2.5	3.4

specifications		HGC 10 S 15	HGC 10 S 20	HGC 10 S 25	HGC 15 S 5	HGC 15 S 10	HGC 15 S 15
art no		100.112.221	100.112.222	100.112.223	100.112.228	100.112.229	100.112.230
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	10	10	10	15	15	15
stroke	mm	150	200	250	50	100	150
closed height	mm	240	290	340	148	198	265
diameter (B)	mm	60	60	60	70	70	70
capacity	kN/t	100 / 10.2	100 / 10.2	100 / 10.2	171 / 17.4	171 / 17.4	171 / 17.4
effective pressure area	cm ²	13.9	13.9	13.9	23.8	23.8	23.8
required oil content (effective)	cc	208	277	346	119	238	356
connection		A 118	A 118	A 118	A 118	A 118	A 118
cylinder type		multi purpose	multi purpose	multi purpose	multi purpose	multi purpose	multi purpose
acting type		single	single	single	single	single	single
return type		spring	spring	spring	spring	spring	spring
material		steel	steel	steel	steel	steel	steel
weight, ready for use	kg	4.6	5.5	6.4	3.9	4.9	6.4

specifications		HGC 15 S 20	HGC 15 S 25	HGC 25 S 5	HGC 25 S 10	HGC 25 S 15	HGC 25 S 20
art no		100.112.231	100.112.232	100.112.237	100.112.238	100.112.239	100.112.240
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	15	15	25	25	25	25
stroke	mm	200	250	50	100	150	200
closed height	mm	315	365	165	215	265	315
diameter (B)	mm	70	70	85	85	85	85
capacity	kN/t	171 / 17.4	171 / 17.4	239 / 24.4	239 / 24.4	239 / 24.4	239 / 24.4
effective pressure area	cm ²	23.8	23.8	33.2	33.2	33.2	33.2
required oil content (effective)	cc	475	594	166	332	498	664
connection		A 118	A 118	A 118	A 118	A 118	A 118
cylinder type		multi purpose	multi purpose	multi purpose	multi purpose	multi purpose	multi purpose
acting type		single	single	single	single	single	single
return type		spring	spring	spring	spring	spring	spring
material		steel	steel	steel	steel	steel	steel
weight, ready for use	kg	7.4	8.4	6.4	8.0	9.7	11.3

specifications		HGC 25 S 25	HGC 35 S 5	HGC 35 S 10	HGC 35 S 15	HGC 35 S 20
art no		100.112.241	100.112.245	100.112.246	100.112.247	100.112.248
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	25	35	35	35	35
stroke	mm	250	50	100	150	200
closed height	mm	374	184	234	284	334
diameter (B)	mm	85	100	100	100	100
capacity	kN/t	239 / 24.4	362 / 36.9	362 / 36.9	362 / 36.9	362 / 36.9
effective pressure area	cm ²	33.2	50.3	50.3	50.3	50.3
required oil content (effective)	cc	830	251	503	754	1005
connection		A 118	A 118	A 118	A 118	A 118
cylinder type		multi purpose	multi purpose	multi purpose	multi purpose	multi purpose
acting type		single	single	single	single	single
return type		spring	spring	spring	spring	spring
material		steel	steel	steel	steel	steel
weight, ready for use	kg	13.3	9.3	11.4	13.5	15.5

specifications		HGC 50 S 5	HGC 50 S 10	HGC 50 S 15	HGC 50 S 20	HGC 50 S 25
art no		100.112.249	100.112.250	100.112.251	100.112.252	100.112.253
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	50	50	50	50	50
stroke	mm	50	100	150	200	250
closed height	mm	176	226	276	326	376
diameter (B)	mm	127	127	127	127	127
capacity	kN/t	510 / 52	510 / 52	510 / 52	510 / 52	510 / 52
effective pressure area	cm ²	70.9	70.9	70.9	70.9	70.9
required oil content (effective)	cc	354	709	1063	1418	1772
connection		A 118	A 118	A 118	A 118	A 118
cylinder type		multi purpose	multi purpose	multi purpose	multi purpose	multi purpose
acting type		single	single	single	single	single
return type		spring	spring	spring	spring	spring
material		steel	steel	steel	steel	steel
weight, ready for use	kg	15.1	18.9	22.6	26.4	30.1

specifications		HGC 75 S 15	HGC 75 S 35	HGC 100 S 5	HGC 100 S 10	HGC 100 S 15	HGC 100 S 25
art no		100.112.255	100.112.256	100.112.257	100.112.258	100.112.259	100.112.260
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	75	75	100	100	100	100
stroke	mm	150	350	50	100	150	250
closed height	mm	285	485	218	268	318	418
diameter (B)	mm	147	147	175	175	175	175
capacity	kN/t	748 / 76.3	748 / 76.3	1031 / 105.1	1031 / 105.1	1031 / 105.1	1031 / 105.1
effective pressure area	cm ²	103.9	103.9	143.1	143.1	143.1	143.1
required oil content (effective)	cc	1558	3635	716	1431	2147	3579
connection		A 118	A 118	A 118	A 118	A 118	A 118
cylinder type		multi purpose	multi purpose	multi purpose	multi purpose	multi purpose	multi purpose
acting type		single	single	single	single	single	single
return type		spring	spring	spring	spring	spring	spring
material		steel	steel	steel	steel	steel	steel
weight, ready for use	kg	30.9	50.0	35.3	42.2	50.0	64.1

