

# SELECTION LIST | cylinders

capacity	stroke	closed height	Ø hole in plunger	return	type	material	model	art no	page
tons	mm	mm	mm						
5	15	44		spring	flat	steel	<b>HFC 5 S 1.5</b>	100.112.291	20
	25	87	17	spring	hollow plunger	steel	<b>HHJ 5 S 2.5</b>	100.111.002	39
	50	130		spring	multi purpose	steel	<b>HGC 5 S 5</b>	100.112.212	17
	75	155		spring	multi purpose	steel	<b>HGC 5 S 7.5</b>	100.112.213	17
	125	206		spring	multi purpose	steel	<b>HGC 5 S 12.5</b>	100.112.215	17
	175	268		spring	multi purpose	steel	<b>HGC 5 S 17.5</b>	100.112.216	17
10	15	46		spring	flat	steel	<b>HFC 10 S 1.5</b>	100.112.292	20
	21 / 20	49		gravity	telescopic	steel	<b>HFJ 10/30 G 4</b>	100.111.005	31
	50	100		spring	short stroke	steel	<b>HSC 10 S 5</b>	100.112.300	22
	50	122		spring	multi purpose	steel	<b>HGC 10 S 5</b>	100.112.219	17
	100	172		spring	multi purpose	steel	<b>HGC 10 S 10</b>	100.112.220	17
	150	240		spring	multi purpose	steel	<b>HGC 10 S 15</b>	100.112.221	18
	200	290		spring	multi purpose	steel	<b>HGC 10 S 20</b>	100.112.222	18
	250	340		spring	multi purpose	steel	<b>HGC 10 S 25</b>	100.112.223	18
12	50	156	21	spring	hollow plunger	steel	<b>HHJ 12 S 5</b>	100.111.021	39
15	50	148		spring	multi purpose	steel	<b>HGC 15 S 5</b>	100.112.228	18
	100	198		spring	multi purpose	steel	<b>HGC 15 S 10</b>	100.112.229	18
	150	265		spring	multi purpose	steel	<b>HGC 15 S 15</b>	100.112.230	18
	200	315		spring	multi purpose	steel	<b>HGC 15 S 20</b>	100.112.231	18
	250	365		spring	multi purpose	steel	<b>HGC 15 S 25</b>	100.112.232	18
17	50	192	27	spring	hollow plunger	steel	<b>HHJ 17 S 5</b>	100.112.023	39
20	15	55		spring	flat	steel	<b>HFC 20 S 1.5</b>	100.112.293	20
	50	103		spring	short stroke	steel	<b>HSC 20 S 5</b>	100.112.301	22
	50	182	27	spring	hollow plunger	steel	<b>HHJ 20 S 5</b>	100.112.033	39
	50	170	27	spring	hollow plunger	aluminium	<b>HAHC 20 S 5</b>	100.112.366	35
	56 / 55	140		gravity	telescopic	steel	<b>HJ 20/50 G 11</b>	100.112.103	31
	50	164		spring	standard	aluminium	<b>HAC 20 S 5</b>	100.112.267	23
	100	214		spring	standard	aluminium	<b>HAC 20 S 10</b>	100.112.265	23
	100	240	27	spring	hollow plunger	aluminium	<b>HAHC 20 S 10</b>	100.112.367	35
	150	264		spring	standard	aluminium	<b>HAC 20 S 15</b>	100.112.261	23
	150	389	27	spring	hollow plunger	steel	<b>HHJ 20 S 15</b>	100.112.030	39
	150	310	27	spring	hollow plunger	aluminium	<b>HAHC 20 S 15</b>	100.112.368	35
	200	375	27	spring	hollow plunger	aluminium	<b>HAHC 20 S 20</b>	100.112.369	35
	250	429	27	spring	hollow plunger	aluminium	<b>HAHC 20 S 25</b>	100.112.370	35
25	50	165		spring	multi purpose	steel	<b>HGC 25 S 5</b>	100.112.237	18
	100	215		spring	multi purpose	steel	<b>HGC 25 S 10</b>	100.112.238	18
	150	265		spring	multi purpose	steel	<b>HGC 25 S 15</b>	100.112.239	18
	200	315		spring	multi purpose	steel	<b>HGC 25 S 20</b>	100.112.240	18
	250	374		spring	multi purpose	steel	<b>HGC 25 S 25</b>	100.112.241	18
30	15	60		spring	flat	steel	<b>HFC 30 S 1.5</b>	100.112.295	20
	50	106		spring	short stroke	steel	<b>HSC 30 S 5</b>	100.112.302	22
	50	182		spring	standard	aluminium	<b>HAC 30 S 5</b>	100.112.269	23
	50	197		hydraulic	standard	aluminium	<b>HAC 30 H 5</b>	100.122.086	25
	50	120	33	gravity	hollow plunger	steel	<b>HHJ 30 G 5</b>	100.111.053	42
	50	185	34	spring	hollow plunger	aluminium	<b>HAHC 30 S 5</b>	100.112.371	36
	75	226	33	spring	hollow plunger	steel	<b>HHJ 30 S 7.5</b>	100.112.055	40
	100	232		spring	standard	aluminium	<b>HAC 30 S 10</b>	100.112.268	23
	100	247		hydraulic	standard	aluminium	<b>HAC 30 H 10</b>	100.122.085	25
	100	255	34	spring	hollow plunger	aluminium	<b>HAHC 30 S 10</b>	100.112.372	36
	150	282		spring	standard	aluminium	<b>HAC 30 S 15</b>	100.112.262	23
	150	297		hydraulic	standard	aluminium	<b>HAC 30 H 15</b>	100.122.080	25

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capacity	stroke	closed height	Ø hole in plunger	return	type	material	model	art no	page
tons	mm	mm	mm						
30	150	285	33	hydraulic	hollow plunger	steel	<b>HHJ 30 H 15</b>	100.122.045	41
	150	362	33	spring	hollow plunger	steel	<b>HHJ 30 S 15</b>	100.112.034	40
	150	325	34	spring	hollow plunger	aluminium	<b>HAHC 30 S 15</b>	100.112.373	36
	200	390	34	spring	hollow plunger	aluminium	<b>HAHC 30 S 20</b>	100.112.374	36
	250	450	34	spring	hollow plunger	aluminium	<b>HAHC 30 S 25</b>	100.112.375	36
35	50	184		spring	multi purpose	steel	<b>HGC 35 S 5</b>	100.112.245	18
	100	234		spring	multi purpose	steel	<b>HGC 35 S 10</b>	100.112.246	18
	150	284		spring	multi purpose	steel	<b>HGC 35 S 15</b>	100.112.247	18
	200	334		spring	multi purpose	steel	<b>HGC 35 S 20</b>	100.112.248	18
45	150	388	39	spring	hollow plunger	steel	<b>HHJ 45 S 15</b>	100.112.061	40
50	15	71		spring	flat	steel	<b>HFC 50 S 1.5</b>	100.112.296	21
	50	117		spring	short stroke	steel	<b>HSC 50 S 5</b>	100.112.303	22
	50	208		hydraulic	lock nut	steel	<b>HLC 50 H 5</b>	100.122.123	33
	50	176		spring	multi purpose	steel	<b>HGC 50 S 5</b>	100.112.249	19
	50	183		spring	standard	aluminium	<b>HAC 50 S 5</b>	100.112.271	24
	50	201		hydraulic	standard	aluminium	<b>HAC 50 H 5</b>	100.122.095	25
	60	142		gravity	high tonnage	steel	<b>HJ 50 G 6</b>	100.112.073	27
	100	226		spring	multi purpose	steel	<b>HGC 50 S 10</b>	100.112.250	19
	100	233		spring	standard	aluminium	<b>HAC 50 S 10</b>	100.112.270	24
	100	251		hydraulic	standard	aluminium	<b>HAC 50 H 10</b>	100.122.108	25
	150	276		spring	multi purpose	steel	<b>HGC 50 S 15</b>	100.112.251	19
	150	282		gravity	high tonnage	steel	<b>HJ 50 G 15</b>	100.112.035	27
	150	282		hydraulic	high tonnage	steel	<b>HJ 50 H 15</b>	100.122.002	29
	150	283		spring	standard	aluminium	<b>HAC 50 S 15</b>	100.112.263	24
	150	301		hydraulic	standard	aluminium	<b>HAC 50 H 15</b>	100.122.097	25
	150	307		gravity	lock nut	steel	<b>HJ 50 G 15 SN</b>	100.082.001	32
	150	327		hydraulic	lock nut	steel	<b>HLC 50 H 15</b>	100.122.124	33
	200	236		spring	multi purpose	steel	<b>HGC 50 S 20</b>	100.112.252	19
	250	376		spring	multi purpose	steel	<b>HGC 50 S 25</b>	100.112.253	19
	300	463		gravity	high tonnage	steel	<b>HJ 50 G 30</b>	100.112.036	27
	300	463		hydraulic	high tonnage	steel	<b>HJ 50 H 30</b>	100.122.022	29
	300	498		hydraulic	lock nut	steel	<b>HLC 50 H 30</b>	100.122.125	33
60	50	243	56	spring	hollow plunger	aluminium	<b>HAHC 60 S 5</b>	100.112.376	36
	75	272	45	spring	hollow plunger	steel	<b>HHJ 60 S 7.5</b>	100.112.081	40
	100	295	56	spring	hollow plunger	aluminium	<b>HAHC 60 S 10</b>	100.112.377	36
	150	363	56	spring	hollow plunger	steel	<b>HAHC 60 S 15</b>	100.112.378	36
	200	334	45	hydraulic	hollow plunger	aluminium	<b>HHJ 60 H 20</b>	100.122.031	41
	200	428	56	spring	hollow plunger	aluminium	<b>HAHC 60 S 20</b>	100.112.379	36
	250	518	56	spring	hollow plunger	aluminium	<b>HAHC 60 S 25</b>	100.112.380	36
75	15	80		spring	flat	steel	<b>HFC 75 S 1.5</b>	100.112.297	21
	150	285		spring	multi purpose	steel	<b>HGC 75 S 15</b>	100.112.255	19
	350	485		spring	multi purpose	steel	<b>HGC 75 S 35</b>	100.112.256	19
100	15	90		spring	flat	steel	<b>HFC 100 S 1.5</b>	100.112.298	21
	50	141		spring	short stroke	steel	<b>HSC 100 S 5</b>	100.112.304	22
	50	170		hydraulic	high tonnage	steel	<b>HJ 100 H 5</b>	100.122.009	29
	50	218		spring	multi purpose	steel	<b>HGC 100 S 5</b>	100.112.257	19
	50	225		spring	standard	aluminium	<b>HAC 100 S 5</b>	100.112.273	24
	50	246		hydraulic	standard	aluminium	<b>HAC 100 H 5</b>	100.122.094	26
	50	248		hydraulic	lock nut	steel	<b>HLC 100 H 5</b>	100.122.126	33
	50	229	80	hydraulic	hollow plunger	aluminium	<b>HAHC 100 H 5</b>	100.112.381	37
	60	157		gravity	high tonnage	steel	<b>HJ 100 G 6</b>	100.112.093	27

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capacity	stroke	closed height	Ø hole in plunger	return	type	material	model	art no	page
tons	mm	mm	mm						
	100	268		spring	multi purpose	steel	<b>HGC 100 S 10</b>	100.112.258	19
	100	275		spring	standard	aluminium	<b>HAC 100 S 10</b>	100.112.272	24
	100	296		hydraulic	standard	aluminium	<b>HAC 100 H 10</b>	100.122.109	26
	100	279	80	hydraulic	hollow plunger	aluminium	<b>HAHC 100 H 10</b>	100.112.382	37
	150	309		gravity	high tonnage	steel	<b>HJ 100 G 15</b>	100.112.039	27
	150	309		hydraulic	high tonnage	steel	<b>HJ 100 H 15</b>	100.122.052	29
	150	318		spring	multi purpose	steel	<b>HGC 100 S 15</b>	100.112.259	19
	150	323		gravity	lock nut	steel	<b>HJ 100 G 15 SN</b>	100.082.000	32
	150	325		spring	standard	aluminium	<b>HAC 100 S 15</b>	100.112.264	24
	150	346		hydraulic	standard	aluminium	<b>HAC 100 H 15</b>	100.122.107	26
	150	370		hydraulic	lock nut	aluminium	<b>HLC 100 H 15</b>	100.122.127	33
	150	329	80	hydraulic	hollow plunger	aluminium	<b>HAHC 100 H 15</b>	100.112.383	37
	200	395	54	hydraulic	hollow plunger	steel	<b>HHJ 100 H 20</b>	100.122.053	41
	200	429	80	hydraulic	hollow plunger	aluminium	<b>HAHC 100 H 20</b>	100.112.384	37
	250	418		spring	multi purpose	steel	<b>HGC 100 S 25</b>	100.112.260	19
	250	429	80	hydraulic	hollow plunger	aluminium	<b>HAHC 100 H 25</b>	100.112.385	37
	300	497		gravity	high tonnage	steel	<b>HJ 100 G 30</b>	100.112.040	27
	300	497		hydraulic	high tonnage	steel	<b>HJ 100 H 30</b>	100.122.054	29
	300	546		hydraulic	lock nut	steel	<b>HLC 100 H 30</b>	100.122.128	33
110	50	315	80	spring	hollow plunger	steel	<b>HHJ 110 S 7.5</b>	100.112.101	40
150	50	248		hydraulic	standard	aluminium	<b>HAC 150 H 5</b>	100.122.075	26
	50	275		hydraulic	lock nut	steel	<b>HLC 150 H 5</b>	100.122.129	34
	50	247	80	hydraulic	hollow plunger	aluminium	<b>HAHC 150 H 5</b>	100.112.386	38
	100	298		hydraulic	standard	aluminium	<b>HAC 150 H 10</b>	100.122.074	26
	100	297	80	hydraulic	hollow plunger	aluminium	<b>HAHC 150 H 10</b>	100.112.387	38
	150	317		gravity	high tonnage	steel	<b>HJ 150 G 15</b>	100.112.046	28
	150	317		hydraulic	high tonnage	steel	<b>HJ 150 H 15</b>	100.122.061	29
	150	348		hydraulic	standard	aluminium	<b>HAC 150 H 15</b>	100.122.073	26
	150	363		gravity	lock nut	steel	<b>HJ 150 G 15 SN</b>	100.112.136	32
	150	400		hydraulic	lock nut	steel	<b>HLC 150 H 15</b>	100.122.130	34
	150	347	80	spring	hollow plunger	aluminium	<b>HAHC 150 H 15</b>	100.112.388	38
	200	397	80	hydraulic	hollow plunger	aluminium	<b>HAHC 150 H 20</b>	100.112.389	38
	250	447	80	hydraulic	hollow plunger	aluminium	<b>HAHC 150 H 25</b>	100.112.390	38
	300	502		gravity	high tonnage	steel	<b>HJ 150 G 30</b>	100.112.047	28
	300	502		hydraulic	high tonnage	steel	<b>HJ 150 H 30</b>	100.122.062	30
	300	580		hydraulic	lock nut	steel	<b>HLC 150 H 30</b>	100.122.131	34
200	150	327		gravity	high tonnage	steel	<b>HJ 200 G 15</b>	100.112.048	28
	150	327		hydraulic	high tonnage	steel	<b>HJ 200 H 15</b>	100.122.071	30
	300	507		gravity	high tonnage	steel	<b>HJ 200 G 30</b>	100.112.049	28
	300	507		hydraulic	high tonnage	steel	<b>HJ 200 H 30</b>	100.122.072	30
250	50	317		hydraulic	lock nut	steel	<b>HLC 250 H 5</b>	100.122.132	34
	150	385		gravity	lock nut	steel	<b>HJ 250 G 15 SN</b>	100.112.083	32
	150	444		hydraulic	lock nut	steel	<b>HLC 250 H 15</b>	100.122.133	34
	300	625		hydraulic	lock nut	steel	<b>HLC 250 H 30</b>	100.122.134	34
300	150	382		gravity	high tonnage	steel	<b>HJ 300 G 15</b>	100.112.050	28
	150	382		hydraulic	high tonnage	steel	<b>HJ 300 H 15</b>	100.122.084	30
	300	547		gravity	high tonnage	steel	<b>HJ 300 G 30</b>	100.112.099	28
	300	547		hydraulic	high tonnage	steel	<b>HJ 300 H 30</b>	100.122.083	30