

## HYDRAULIC CYLINDERS

### MEGA



**Type CSRA  
Single Acting Cylinders**

Ref.	Capacity Ton	Stroke A mm	Closed B mm	Open C mm
CSRA-11B	11	50	144	194
CSRA-11D	11	50	244	394
CSRA-16A	16	25	124	149
CSRA-16B	16	50	149	199
CSRA-16D	16	150	252	402
CSRA-23A	23	25	140	165
CSRA-23B	23	50	165	215
CSRA-23D	23	150	267	417
CSRA-31B	31	50	194	244
CSRA-31D	31	150	294	444
CSRA-55B	55	50	169	219
CSRA-55C	55	100	219	319
CSRA-55D	55	150	269	419



**Type CSB  
Low High Cylinders**

Ref.	Capacity Ton	Stroke A mm	Closed B mm	Open C mm
CSB-11A	11	38	109	147
CSB-23B	23	50	124	174
CSB-31B	31	50	125	175
CSB-55B	55	50	138	188
CSB-93B	93	50	130	180



**Type CSE  
Low Profile Cylinders**

Ref.	Capacity Ton	Stroke A mm	Closed B mm	Open C mm
CSE-5	5	6,5	34	40,5
CSE-11	11	11	44,5	55,5
CSE-23	23	11	54	65
CSE-31	31	12	60	72
CSE-55	55	16	72	88
CSE-93	93	16	88	104



**Type CSH  
Single Acting Hollow Cylinders**

Ref.	Capacity Ton	Hole Dia mm	Stroke A mm	Closed B mm	Open C mm
CSH-12	12	19,5	41	145	186
CSH-20	20	26,5	48	172	220
CSH-30	30	33	63	200	263
CSH-60	60	53,5	76	245	321
CSH-90	90	79	76	272	348



**Type CDH  
Double Acting Hollow Cylinders**

Ref.	Capacity Ton	Hole Dia mm	Stroke A mm	Closed B mm	Open C mm
CDH-30	30	33	150	296	446
CDH-60	60	53,5	150	302	452

## HYDRAULIC PUMPS



Hand Pumps, Single Acting,  
One & Two Speed

Ref.	Working Pressure Kg/cm <sup>2</sup>	Effective Oil Volume cm <sup>3</sup>	Oil Flow 1 <sup>st</sup> Stage cm <sup>3</sup>	Oil Flow 2 <sup>nd</sup> Stage cm <sup>3</sup>
BM-04	700	400	-	2,5
BM-1	700	1250	-	2,5
BMAP-1	1500	1250	-	1
BM-2	700	2000	-	2,5
BM-3	700	3000	19	2,5
BMAP-3	1500	3000	18	1,15
BM-6	700	6000	19	2,5



Various Pumps

Ref.	Description
X	Hand Pumps, Double Acting, 700 Bar
YAM	Electric Hydraulic Pumps, 700 Bar
Z	Air Hydraulic Pumps, 700 Bar
NAP	Air Hydraulic Pumps, 1500 Bar
WI	Modular Pumps, 700 Bar
BT-1506	Air Driven Hydraulic Pump Blue, 1500 Bar

## HYDRAULIC COMPONENTS



Hydraulic Accessories

Ref.	Description
<b>A-5507-M</b>	Male Quick Coupling, 700 Bar , 17 l/min
<b>A-5507-H</b>	Female Quick Coupling, 700 Bar, 17 l/min
<b>A-5537-M</b>	Male Quick Coupling, 1500 Bar , 7 l/min
<b>A-5537-H</b>	Female Quick Coupling, 1500 Bar, 7 l/min
<b>A-5501</b>	Gauge Adapter, 700 Bar
<b>A-5558</b>	Gauge Adapter, 1500 Bar
<b>A-5583</b>	Five-Way Manifold, 700 Bar
<b>A-5574</b>	Two-Way Manifold, 1500 Bar
<b>MAP-1,5</b>	Thermoplastic Hoses, 700 Bar, 1,5 m
<b>MAP-3</b>	Thermoplastic Hoses, 700 Bar, 3 m
<b>MAPS-1,5</b>	Thermoplastic Hoses, 1500 Bar, 1,5 m

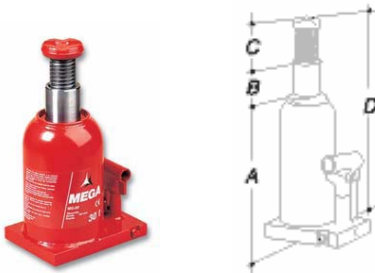


Pressure Gauges

Ref.	Description
<b>A-5580G</b>	Glycerin Gauge, 700 Bar G-3/8", 5T / 11T
<b>A-5581-G</b>	Glycerin Gauge, 700 Bar G-3/8", 16T / 23T
<b>A-5582-G</b>	Glycerin Gauge, 700 Bar G-3/8", 31T / 55T
<b>A-5583-G</b>	Glycerin Gauge, 700 Bar G-3/8", 93T
<b>A-5584-G</b>	Glycerin Gauge, 700 Bar G-3/8", 12T / 20T
<b>A-5585-G</b>	Glycerin Gauge, 700 Bar G-3/8", 30T / 60T
<b>A-5586-G</b>	Glycerin Gauge, 700 Bar G-3/8"
<b>A-5587-G</b>	Glycerin Gauge, 1500 Bar 1/2"NPT

## HYDRAULIC TOOLS

### Hydraulic Bottle Jacks



Ref.	Capacity Ton	Closed A mm	Stroke B mm	Extension C mm	Open D mm
<b>MGS-5</b>	<b>5</b>	<b>135</b>	<b>70</b>	<b>40</b>	<b>145</b>
<b>MG-5</b>	5	212	150	75	437
<b>MG-8</b>	8	219	150	75	444
<b>MGS-10</b>	<b>10</b>	<b>131</b>	<b>62</b>	<b>30</b>	<b>223</b>
<b>MG-10</b>	10	219	150	75	444
<b>MGS-15</b>	<b>15</b>	<b>150</b>	<b>75</b>	<b>40</b>	<b>265</b>
<b>MG-15</b>	15	228	150	75	451
<b>MGS-20</b>	<b>20</b>	<b>190</b>	<b>105</b>	<b>55</b>	<b>350</b>
<b>MG-20</b>	20	234	150	75	459
<b>MG-30</b>	30	242	150	75	467
<b>MG-50</b>	50	252	150	-	402



### Hydraulic Pipe Benders

Ref.	Capacity Ton	Pipes of Dia mm
<b>CVT-2</b>	15	½" - 2"
<b>CVT-3</b>	20	½" - 3"

### Three Grip Puller



Ref.	Capacity Ton	Max Dia mm	Max Height mm
<b>G-23</b>	20	270	310
<b>G-33</b>	30	380	400

### Various Tools



Ref.	Description
<b>CT</b>	Dynamometers
<b>TE</b>	Pull Cylinders
<b>CY</b>	Spread Cylinders