

## DOUBLE ACTING HYDRAULIC CYLINDERS

- ◆ Double-acting Cylinders.
- ◆ Collar threads, plunger threads and base mounting holes for easy fixture (on most models).
- ◆ Baked enamel finish for increased corrosion resistance.
- ◆ Removable hardened saddles protect plunger during lifting and pressing.
- ◆ Built-in safety valve prevents accidental over-pressurization.
- ◆ CR-400 couplers included on all models.
- ◆ Plunger wiper reduces contamination, extending cylinder life.



Part No.	Capacity (ton)	Stroke (mm)	Oil Capacity (cm <sup>3</sup> )		Collapsed Height (mm)	Weight (kg)
			Push	Pull		
GRR-1010*	10	254	368	122	409	12.7
GRR-1012*		305	442	147	457	4
GRR-308*	30	209	879	400	387	18.2
GRR-3014*		368	1549	703	549	29
GRR-506	50	156	1111	335	331	30.4
GRR-5013		334	2378	718	509	52.2
GRR-5020		511	3638	1099	733	68.1
GRR-756	75	156	1601	490	347	41.8
GRR-7513		333	3417	1046	525	68.1
GRR-1006	95	168	2238	1045	357	61.3
GRR-10013		333	4439	2071	524	93
GRR-10018		460	6132	2861	687	118
GRR-1502	140	57	1129	544	196	50
GRR-1506		156	3090	1488	385	93
GRR-15013		333	6597	3711	582	124.9
GRR-15032		815	16145	7775	1116	238.4
GRR-2006	200	152	4332	2209	430	147.6
GRR-20013		330	9405	4795	608	199.8
GRR-20018		457	13025	6640	765	204.3
GRR-20024		610	17385	8863	917	279.7
GRR-20036		914	26049	13280	1222	383.7
GRR-20048		1219	34741	17712	1527	483.5
GRR-3006	325	153	6997	3721	485	200.2
GRR-30012		305	13947	7418	638	312.4
GRR-30018		457	20889	11114	790	385.9
GRR-30024		609	27850	14811	943	469.5
GRR-30036		915	41843	22253	1247	628.5
GRR-30048		1219	55745	29646	1552	780.9
GRR-4006	440	152	9319	4987	538	304.2
GRR-40012		305	18700	10007	690	399.5
GRR-40018		457	28018	14995	843	454
GRR-40024		610	37400	20014	995	598
GRR-40036		914	56037	29988	1300	792.7
GRR-40048		1219	74737	39996	1605	981.6
GRR-5006	520	153	11164	6203	577	432.7
GRR-50012		305	22256	12365	730	590.2
GRR-50018		457	33347	18526	882	681
GRR-50024		609	44440	24689	1035	817.2
GRR-50036		915	66768	36973	1339	1003.4
GRR-50048		1219	88951	49418	1644	1225.8