

Lone Star		RM912D-427-192		straight crank arm	COA= 9	SU = -1450
Qty of Cwts	Cwt position * on crank arm	ECB, lbs. @192" stroke, at position	ECB, lbs. @159" stroke, at position	ECB, lbs. @127" stroke, at position		
Counterweight No.: 0 (3 bolts)						
cranks only		5,946	7,281	9,227		
4	10.7	9,028	10,951	13,754		
4	20	11,707	14,141	17,689		
4	30	14,588	17,570	21,920		
4	40	17,468	21,000	26,150		
4	50	20,349	24,430	30,381		
4	60	23,230	27,860	34,612		
4	70	26,110	31,290	38,842		
4	max 75	27,551	33,005	40,958		
2	10.7	7,487	9,116	11,491		
2	20	8,827	10,711	13,458		
2	30	10,267	12,426	15,573		
2	40	11,707	14,141	17,689		
2	50	13,148	15,856	19,804		
2	60	14,588	17,570	21,920		
2	70	16,028	19,285	24,035		
2	max 75	16,748	20,143	25,093		
Counterweight No.: 2#0+2#1 (3 bolts)						
2+2	10.7	8,759	10,630	13,358		
2+2	20	11,203	13,540	16,948		
2+2	30	13,832	16,670	20,809		
2+2	40	16,460	19,800	24,669		
2+2	50	19,089	22,929	28,530		
2+2	60	21,717	26,059	32,391		
2+2	70	24,346	29,189	36,251		
2+2	max 75\78	26,017	31,178	38,705		
Counterweight No.: 2#0+2#2 (3 bolts)						
2+2	10.7	8,501	10,323	12,980		
2+2	20	10,721	12,967	16,241		
2+2	30	13,109	15,810	19,748		
2+2	40	15,497	18,653	23,255		
2+2	50	17,885	21,496	26,762		
2+2	60	20,273	24,339	30,269		
2+2	70	22,660	27,182	33,775		
2+2	max 75\80.5	25,465	30,314	37,384		
Counterweight No.: 1 (3 bolts)						

cranks only		5,946	7,281	9,227
4	10.7	8,489	10,309	12,962
4	20	10,699	12,940	16,208
4	30	13,075	15,770	19,698
4	40	15,452	18,599	23,189
4	50	17,829	21,429	26,679
4	60	20,205	24,259	30,169
4	70	22,582	27,088	33,660
4	max 78	24,483	29,352	36,452
2	10.7	7,217	8,795	11,095
2	20	8,322	10,111	12,718
2	30	9,511	11,525	14,463
2	40	10,699	12,940	16,208
2	50	11,887	14,355	17,953
2	60	13,075	15,770	19,698
2	70	14,264	17,185	21,444
2	max 78	15,214	18,316	22,840
Counterweight No.: 2 (3 bolts)				
cranks only		5,946	7,281	9,227
4	10	7,841	9,537	12,010
4	20	9,736	11,793	14,793
4	30	11,631	14,050	17,576
4	40	13,526	16,306	20,359
4	50	15,420	18,562	23,142
4	60	17,315	20,818	25,925
4	70	19,210	23,074	28,708
4	max 80.5	21,200	25,443	31,631
2	10	6,893	8,409	10,619
2	20	7,841	9,537	12,010
2	30	8,788	10,665	13,402
2	40	9,736	11,793	14,793
2	50	10,683	12,921	16,185
2	60	11,631	14,050	17,576
2	70	12,578	15,178	18,968
2	max 80.5	13,573	16,362	20,429
Counterweight No.: 3 (3 bolts)				
cranks only		5,946	7,281	9,227
4	10	7,558	9,201	11,595
4	20	9,170	11,120	13,963
4	30	10,783	13,040	16,331
4	40	12,395	14,959	18,699
4	50	14,007	16,879	21,067
4	60	15,619	18,799	23,435
4	70	17,232	20,718	25,803
4	80	18,844	22,638	28,170
4	max 83.5	19,408	23,310	28,999

2	10	6,752	8,241	10,411
2	20	7,558	9,201	11,595
2	30	8,364	10,160	12,779
2	40	9,170	11,120	13,963
2	50	9,977	12,080	15,147
2	60	10,783	13,040	16,331
2	70	11,589	14,000	17,515
2	80	12,395	14,959	18,699
2	max 83.5	12,677	15,295	19,113
Counterweight No.: 4 (3 bolts)				
cranks only		5,946	7,281	9,227
4	10	7,407	9,021	11,374
4	20	8,869	10,761	13,520
4	30	10,330	12,501	15,667
4	40	11,792	14,241	17,813
4	50	13,253	15,981	19,960
4	60	14,715	17,722	22,106
4	70	16,176	19,462	24,252
4	80	17,638	21,202	26,399
4	max 83.5	18,149	21,811	27,150
2	10	6,677	8,151	10,301
2	20	7,407	9,021	11,374
2	30	8,138	9,891	12,447
2	40	8,869	10,761	13,520
2	50	9,600	11,631	14,593
2	60	10,330	12,501	15,667
2	70	11,061	13,371	16,740
2	80	11,792	14,241	17,813
2	max 83.5	12,048	14,546	18,189
Counterweight No.: 5 (2 bolts)				
cranks only		5,946	7,281	9,227
4	10	7,186	8,757	11,049
4	20	8,426	10,234	12,870
4	30	9,666	11,710	14,691
4	40	10,906	13,187	16,512
4	50	12,146	14,663	18,333
4	60	13,386	16,140	20,155
4	70	14,626	17,616	21,976
4	80	15,866	19,092	23,797
4	max 83.5	16,300	19,609	24,434
2	10	6,566	8,019	10,138
2	20	7,186	8,757	11,049
2	30	7,806	9,496	11,959
2	40	8,426	10,234	12,870

2	50	9,046	10,972	13,780
2	60	9,666	11,710	14,691
2	70	10,286	12,449	15,602
2	80	10,906	13,187	16,512
2	max 83.5	11,123	13,445	16,831
Counterweight No.: 6 (2 bolts)				
cranks only		5,946	7,281	9,227
4	10	6,938	8,463	10,685
4	20	7,931	9,644	12,143
4	30	8,923	10,826	13,600
4	40	9,916	12,008	15,058
4	50	10,908	13,189	16,515
4	60	11,901	14,371	17,973
4	70	12,893	15,553	19,431
4	80	13,886	16,734	20,888
4	max 85.6	14,441	17,396	21,705
2	10	6,442	7,872	9,956
2	20	6,938	8,463	10,685
2	30	7,435	9,054	11,414
2	40	7,931	9,644	12,143
2	50	8,427	10,235	12,871
2	60	8,923	10,826	13,600
2	70	9,420	11,417	14,329
2	80	9,916	12,008	15,058
2	max 85.6	10,194	12,339	15,466
Counterweight No.: 7 (2 bolts)				
cranks only		5,946	7,281	9,227
4	10	6,690	8,167	10,320
4	20	7,434	9,053	11,413
4	30	8,178	9,939	12,506
4	40	8,922	10,824	13,598
4	50	9,666	11,710	14,691
4	60	10,410	12,596	15,784
4	70	11,154	13,482	16,876
4	80	11,898	14,368	17,969
4	max 88.5	12,530	15,121	18,898
2	10	6,318	7,724	9,774
2	20	6,690	8,167	10,320
2	30	7,062	8,610	10,866
2	40	7,434	9,053	11,413
2	50	7,806	9,496	11,959
2	60	8,178	9,939	12,506
2	70	8,550	10,382	13,052
2	80	8,922	10,824	13,598

2	max 88.5	9,238	11,201	14,063
Counterweight No.: 8 (2 bolts)				
cranks only		5,946	7,281	9,227
4	10	6,492	7,931	10,029
4	20	7,037	8,580	10,830
4	30	7,583	9,230	11,631
4	40	8,128	9,879	12,432
4	50	8,674	10,529	13,233
4	60	9,219	11,178	14,035
4	70	9,765	11,828	14,836
4	80	10,310	12,477	15,637
4	max 92	10,965	13,257	16,598
2	10	6,219	7,606	9,628
2	20	6,492	7,931	10,029
2	30	6,764	8,255	10,429
2	40	7,037	8,580	10,830
2	50	7,310	8,905	11,230
2	60	7,583	9,230	11,631
2	70	7,855	9,554	12,032
2	80	8,128	9,879	12,432
2	max92	8,455	10,269	12,913