

Lone Star		C228D-213-86		
Qty of Cwts	Cwt position * on crank arm	ECB, lbs. @ 86" stroke at position	ECB, lbs. @ 74" stroke at position	ECB, lbs. @ 62" stroke at position
Counterweight No.: 5 (2 bolts)		Dead weight/each: 2,755 lbs		
cranks only		3,828	4,309	4,957
4	10	6,505	7,394	8,592
4	20	9,181	10,478	12,227
4	30	11,857	13,563	15,862
4	40	14,534	16,648	19,497
4	max 50.4	17,310	19,849	23,269
2	10	5,167	5,851	6,774
2	20	6,505	7,394	8,592
2	30	7,843	8,936	10,409
2	40	9,181	10,478	12,227
2	max 50.4	10,569	12,079	14,113
Counterweight No.: 6 (2 bolts)		Dead weight/each: 2,200 lbs		
cranks only		3,828	4,309	4,957
4	10	5,966	6,772	7,860
4	20	8,103	9,236	10,762
4	30	10,240	11,699	13,665
4	40	12,377	14,162	16,568
4	max 52.5	15,049	17,242	20,197
2	10	4,897	5,540	6,408
2	20	5,966	6,772	7,860
2	30	7,034	8,004	9,311
2	40	8,103	9,236	10,762
2	max 52.5	9,439	10,775	12,577
Counterweight No.: 7 (2 bolts)		Dead weight/each: 1,653 lbs		
cranks only		3,828	4,309	4,957
4	10	5,431	6,156	7,134
4	20	7,034	8,004	9,311
4	30	8,637	9,851	11,488
4	40	10,240	11,899	13,665
4	50	11,843	13,546	15,842
4	max 55.4	12,704	14,540	17,013
2	10	4,630	5,233	6,045
2	20	5,431	6,156	7,134
2	30	6,233	7,080	8,222
2	40	7,034	8,004	9,311
2	50	7,836	8,928	10,400
2	max 55.4	8,266	9,424	10,985
Counterweight No.: 8 (2 bolts)		Dead weight/each: 1,215 lbs		
cranks only		3,828	4,309	4,957
4	10	4,897	5,540	6,408
4	20	5,966	6,772	7,860
4	30	7,034	8,004	9,311
4	40	8,103	9,236	10,762
4	50	9,171	10,467	12,214
4	max 58.9	10,120	11,560	13,502
2	10	4,363	4,925	5,682
2	20	4,897	5,540	6,408
2	30	5,431	6,156	7,134
2	40	5,966	6,772	7,860
2	50	6,500	7,388	8,585
2	max 58.9	6,974	7,935	9,229
Counterweight No.: 9 (2 bolts)		Dead weight/each: 850 lbs		
cranks only		3,828	4,309	4,957
4	10	4,654	5,261	6,078
4	20	5,480	6,212	7,200
4	30	6,306	7,164	8,321
4	40	7,131	8,116	9,443
4	50	7,957	9,068	10,564
4	max 61.4	8,896	10,150	11,840
2	10	4,241	4,785	5,517
2	20	4,654	5,261	6,078
2	30	5,067	5,736	6,639
2	40	5,480	6,212	7,200
2	50	5,893	6,688	7,761
2	max 61.4	6,362	7,229	8,398