

Lone Star		C456D-305-144		
Qty of Cwts	Cwt position * on crank arm	ECB, lbs. @144" stroke, at position	ECB, lbs. @123" stroke, at position	ECB, lbs. @102" stroke, at position
Counterweight No.: 2 (3 bolts)		Weight/each: 4,211 lbs		
cranks only		5,298	6,142	7,329
4	10	7,743	8,966	10,685
4	20	10,188	11,790	14,041
4	30	12,633	14,614	31,794
4	40	15,078	17,438	20,753
4	50	17,523	20,262	24,109
4	60	19,968	23,086	27,465
4	max 72.9	23,122	26,728	31,794
2	10	6,521	7,553	9,007
2	20	7,743	8,966	10,685
2	30	8,966	10,378	12,363
2	40	10,188	11,790	14,041
2	50	11,411	13,202	15,719
2	60	12,633	14,614	17,397
2	max 72.9	14,210	16,435	19,562
Counterweight No.: 3 (3 bolts)		Weight/each: 3,582 lbs		
cranks only		5,298	6,142	7,329
4	10	7,378	8,544	10,184
4	20	9,458	10,947	13,039
4	30	11,538	13,349	15,893
4	40	13,617	15,751	18,748
4	50	15,697	18,153	21,603
4	60	17,777	20,555	24,457
4	70	19,856	22,957	27,312
4	max 75.9	21,084	24,374	28,996
2	10	6,338	7,343	8,757
2	20	7,378	8,544	10,184
2	30	8,418	9,745	11,611
2	40	9,458	10,947	13,039
2	50	10,498	12,148	14,466
2	60	11,538	13,349	15,893
2	70	12,577	14,550	17,321
2	max 75.9	13,191	15,258	18,163
Counterweight No.: 4 (3 bolts)		Weight/each: 3,247 lbs		
cranks only		5,298	6,142	7,329
4	10	7,184	8,320	9,917
4	20	9,069	10,497	12,505
4	30	10,954	12,675	15,092
4	40	12,839	14,852	17,680
4	50	14,725	17,029	20,268
4	60	16,610	19,207	22,855
4	70	18,495	21,384	25,443
4	max 75.9	19,607	22,669	26,970

2	10	6,241	7,231	8,623
2	20	7,184	8,320	9,917
2	30	8,126	9,409	11,211
2	40	9,069	10,497	12,505
2	50	10,012	11,586	13,798
2	60	10,954	12,675	15,092
2	70	11,897	13,763	16,386
2	max 75.9	12,453	14,406	17,150
Counterweight No.: 5 (2 bolts) Weight/each: 2,755 lbs				
cranks only		5,298	6,142	7,329
4	10	6,898	7,990	9,525
4	20	8,498	9,837	11,720
4	30	10,097	11,685	13,916
4	40	11,697	13,532	16,112
4	50	13,296	15,380	18,307
4	60	14,896	17,227	20,503
4	70	16,495	19,075	22,698
4	max 75.9	17,439	20,165	23,994
2	10	6,098	7,066	8,427
2	20	6,898	7,990	9,525
2	30	7,698	8,914	10,623
2	40	8,498	9,837	11,720
2	50	9,297	10,761	12,818
2	60	10,097	11,685	13,916
2	70	10,897	12,609	15,014
2	max 75.9	11,369	13,154	15,662
Counterweight No.: 6 (2 bolts) Weight/each: 2,200 lbs				
cranks only		5,298	6,142	7,329
4	10	6,576	7,618	9,082
4	20	7,853	9,093	10,836
4	30	9,130	10,568	12,589
4	40	10,408	12,044	14,342
4	50	11,685	13,519	16,096
4	60	12,962	14,994	17,849
4	70	14,240	16,470	19,602
4	max 78	15,265	17,653	21,009
2	10	5,937	6,880	8,206
2	20	6,576	7,618	9,082
2	30	7,214	8,355	9,959
2	40	7,853	9,093	10,836
2	50	8,492	9,831	11,712
2	60	9,130	10,568	12,589
2	70	9,769	11,306	13,466
2	max 78	10,282	11,898	14,169
Counterweight No.: 7 (2 bolts) Weight/each: 1,653 lbs				
cranks only		5,298	6,142	7,329
4	10	6,256	7,249	8,644
4	20	7,214	8,355	9,959

4	30	8,172	9,462	11,274
4	40	9,130	10,568	12,589
4	50	10,088	11,675	13,904
4	60	11,046	12,781	15,219
4	70	12,004	13,888	16,534
4	max 80.9	13,049	15,094	17,967
2	10	5,777	6,696	7,987
2	20	6,256	7,249	8,644
2	30	6,735	7,802	9,302
2	40	7,214	8,355	9,959
2	50	7,693	8,909	10,617
2	60	8,172	9,462	11,274
2	70	8,651	10,015	11,932
2	max 80.9	9,174	10,618	12,648
Counterweight No.: 8 (2 bolts) Weight/each: 1,215 lbs				
cranks only		5,298	6,142	7,329
4	10	5,937	6,880	8,206
4	20	6,576	7,616	9,082
4	30	7,214	8,355	9,959
4	40	7,853	9,093	10,836
4	50	8,492	9,831	11,712
4	60	9,130	10,568	13,589
4	70	9,769	11,306	13,466
4	80	10,408	12,044	14,342
4	max 84.4	10,689	12,368	14,728
2	10	5,618	6,511	7,767
2	20	5,937	6,880	8,206
2	30	6,256	7,249	8,644
2	40	6,576	7,618	9,082
2	50	6,895	7,987	9,521
2	60	7,214	8,355	9,959
2	70	7,534	8,724	10,397
2	80	7,853	9,093	10,836
2	max 84.4	7,994	9,255	11,029