

Lone Star		C320D-213-120		
Qty of Cwts	Cwt position * on crank arm	ECB, lbs. @120" stroke, at position	ECB, lbs. @102" stroke, at position	ECB, lbs. @84" stroke, at position
Counterweight No.: 4 (3 bolts)				
cranks only		4,679	5,424	6,474
4	10	6,906	8,022	9,596
4	20	9,134	10,621	12,718
4	30	11,361	13,220	15,839
4	40	13,588	15,818	18,961
4	50	15,816	18,417	22,083
4	60	18,043	21,016	25,205
4	max 68	19,825	23,095	27,702
2	10	5,792	6,723	8,035
2	20	6,906	8,022	9,596
2	30	8,020	9,322	11,157
2	40	9,134	10,621	12,718
2	50	10,247	11,920	14,279
2	60	11,361	13,220	15,839
2	max 68	12,252	14,259	17,088
Counterweight No.: 5 (2 bolts)				
cranks only		4,679	5,424	6,474
4	10	6,569	7,629	9,123
4	20	8,459	9,833	11,772
4	30	10,348	12,038	14,420
4	40	12,238	14,243	17,069
4	50	14,128	16,448	19,718
4	60	16,018	18,653	22,367
4	max 68	17,530	20,417	24,486
2	10	5,624	6,526	7,799
2	20	6,569	7,629	9,123
2	30	7,514	8,731	10,447
2	40	8,459	9,833	11,772
2	50	9,403	10,936	13,096
2	60	10,348	12,038	14,420
2	max 68	11,104	12,920	15,480
Counterweight No.: 6 (2 bolts)				
cranks only		4,679	5,424	6,474
4	10	6,188	7,184	8,589
4	20	7,697	8,945	10,705
4	30	9,206	10,706	12,820
4	40	10,715	12,467	14,835
4	50	12,225	14,227	17,050
4	60	13,734	15,988	19,165
4	max 70.1	15,262	17,771	21,307

2	10	5,433	6,304	7,532
2	20	6,188	7,184	8,589
2	30	6,942	8,065	9,647
2	40	7,697	8,945	10,705
2	50	8,452	9,825	11,762
2	60	9,206	10,706	12,820
2	max 70.1	9,970	11,597	13,890
Counterweight No.: 7 (2 bolts)				
cranks only		4,679	5,424	6,474
4	10	5,811	6,744	8,061
4	20	6,942	8,065	9,647
4	30	8,074	9,385	11,233
4	40	9,206	10,706	12,820
4	50	10,338	12,026	14,406
4	60	11,470	13,347	15,992
4	max 73	12,942	15,064	18,055
2	10	5,245	6,084	7,267
2	20	5,811	6,744	8,061
2	30	6,377	7,404	8,854
2	40	6,942	8,065	9,647
2	50	7,508	8,725	10,440
2	60	8,074	9,385	11,233
2	max 73	8,810	10,244	12,264
Counterweight No.: 8 (2 bolts)				
cranks only		4,679	5,424	6,474
4	10	5,433	6,304	7,532
4	20	6,188	7,184	8,589
4	30	6,942	8,065	9,647
4	40	7,697	8,945	10,705
4	50	8,452	9,825	11,762
4	60	9,206	10,706	12,820
4	70	9,961	11,586	13,877
4	max 76.5	10,451	12,158	14,565
2	10	5,056	5,864	7,003
2	20	5,433	6,304	7,532
2	30	5,811	6,744	8,061
2	40	6,188	7,184	8,589
2	50	6,565	7,625	9,118
2	60	6,942	8,065	9,647
2	70	7,320	8,505	10,176
2	max 76.5	7,565	8,791	10,519