

<b>Lone Star</b>		<b>C228D-185-144</b>		
<b>Qty of Cwts</b>	<b>Cwt position * on crank arm</b>	<b>ECB, lbs. 144 at position</b>	<b>ECB, lbs. 122 at position</b>	<b>ECB, lbs. 101 at position</b>
<b>Counterweight No.: 2 (3 bolts) 4,211 lbs/ea</b>				
cranks only		3,630	4,168	4,909
4	10	6,106	6,993	8,213
4	20	8,581	9,817	11,516
4	30	11,056	12,642	14,820
4	40	13,532	15,466	18,124
4	50	16,007	18,291	21,427
4	60	18,483	21,115	24,731
4	max 65	19,721	22,527	26,383
2	10	4,868	5,581	6,561
2	20	6,106	6,993	8,213
2	30	7,343	8,405	9,865
2	40	8,581	9,817	11,516
2	50	9,819	11,230	13,168
2	60	11,056	12,642	14,820
2	max 65	11,675	13,348	15,646
<b>Counterweight No.: 3 (3 bolts) 3,582 lbs/ea</b>				
cranks only		3,630	4,168	4,909
4	10	5,736	6,571	7,719
4	20	7,842	8,974	10,530
4	30	9,947	11,376	13,340
4	40	12,053	13,779	16,150
4	50	14,159	16,181	18,960
4	60	16,264	18,584	21,770
4	max 68	17,949	20,506	24,018
2	10	4,683	5,370	6,314
2	20	5,736	6,571	7,719
2	30	6,789	7,772	9,124
2	40	7,842	8,974	10,530
2	50	8,894	10,175	11,935
2	60	9,947	11,376	13,340
2	max 68	10,789	12,337	14,464
<b>Counterweight No.: 4 (3 bolts) 3,247 lbs/ea</b>				
cranks only		3,630	4,168	4,909
4	10	5,539	6,346	7,457
4	20	7,448	8,524	10,004
4	30	9,356	10,702	12,551
4	40	11,265	12,880	15,099
4	50	13,174	15,058	17,646
4	60	15,083	17,236	20,193
4	max 68	16,610	18,978	22,231

2	10	4,585	5,257	6,183
2	20	5,539	6,346	7,457
2	30	6,493	7,435	8,730
2	40	7,448	8,524	10,004
2	50	8,402	9,613	11,278
2	60	9,356	10,702	12,551
2	max 68	10,120	11,573	13,570
<b>Counterweight No.: 5 (2 bolts) 2,755 lbs/ea</b>				
cranks only		3,630	4,168	4,909
4	10	5,250	6,016	7,071
4	20	6,869	7,864	9,232
4	30	8,489	9,712	11,393
4	40	10,108	11,560	13,555
4	50	11,728	13,408	15,716
4	60	13,347	15,256	17,877
4	max 68	14,643	16,734	19,606
2	10	4,440	5,092	5,990
2	20	5,250	6,016	7,071
2	30	6,059	6,940	8,151
2	40	6,869	7,864	9,232
2	50	7,679	8,788	10,313
2	60	8,489	9,712	11,393
2	max 50.4	9,137	10,451	12,258
<b>Counterweight No.: 6 (2 bolts) 2,200 lbs/ea</b>				
cranks only		3,630	4,168	4,909
4	10	4,923	5,644	6,635
4	20	6,217	7,120	8,361
4	30	7,510	8,595	10,087
4	40	8,803	10,071	11,813
4	50	10,097	11,546	13,539
4	60	11,390	13,022	15,265
4	max 70.1	12,699	14,516	17,012
2	10	4,277	4,906	5,772
2	20	4,923	5,644	6,635
2	30	5,570	6,382	7,498
2	40	6,217	7,120	8,361
2	50	6,863	7,857	9,224
2	60	7,510	8,595	10,087
2	max 70.1	8,165	9,342	10,961
<b>Counterweight No.: 7 (2 bolts) 1653 lbs/ea</b>				
cranks only		3,630	4,168	4,909
4	10	4,600	5,275	6,204
4	20	5,570	6,382	7,498
4	30	6,540	7,489	8,793
4	40	7,510	8,595	10,087
4	50	8,480	9,702	11,382

4	60	9,450	10,809	12,676
4	max 73	10,711	12,247	14,359
2	10	4,115	4,722	5,557
2	20	4,600	5,275	6,204
2	30	5,085	5,829	6,851
2	40	5,570	6,382	7,498
2	50	6,055	6,935	8,145
2	60	6,540	7,489	8,793
2	max 73	7,170	8,208	9,634
<b>Counterweight No.: 8 (2 bolts) 1,215 lbs/ea</b>				
cranks only		3,630	4,168	4,909
4	10	4,277	4,906	5,772
4	20	4,923	5,644	6,635
4	30	5,370	6,382	7,498
4	40	6,217	7,120	8,361
4	50	6,863	7,857	9,224
4	60	7,510	8,595	10,087
4	70	8,157	9,333	10,950
4	max 76.5	8,577	9,813	11,511
2	10	3,953	4,537	5,341
2	20	4,277	4,906	5,772
2	30	4,600	5,275	6,204
2	40	4,923	5,644	6,635
2	50	5,247	6,013	7,067
2	60	5,570	6,382	7,498
2	70	5,893	6,751	7,930
2	max 76.5	6,104	6,991	8,210