

Lone Star ALS
Counterweight position on crank

Lone Star		C456D-305-168		Y-series	
Qty of Cwts	Cwt position * on crank arm	ECB, lbs. @168" stroke, at position	ECB, lbs. @144" stroke, at position	ECB, lbs. @121" stroke, at position	
Counterweight No.: 3 (3 bolts)					
cranks only		5,573	6,336	7,408	
4	10	7,397	8,415	9,845	
4	20	9,222	10,495	12,283	
4	30	11,046	12,575	14,720	
4	40	12,871	14,655	17,158	
4	50	14,695	16,734	19,595	
4	60	16,520	18,814	22,032	
4	70	18,344	20,894	24,470	
4	80	20,169	22,973	26,907	
4	max 83.5	20,808	23,701	27,760	
2	10	6,485	7,376	8,627	
2	20	7,397	8,145	9,845	
2	30	8,310	9,455	11,064	
2	40	9,222	10,495	12,283	
2	50	10,134	11,535	13,501	
2	60	11,046	12,575	14,720	
2	70	11,959	13,615	15,939	
2	80	12,871	14,665	17,158	
2	max 83.5	13,190	15,018	17,584	
Counterweight No.: 4 (3 bolts)					
cranks only		5,573	6,336	7,408	
4	10	7,227	8,221	9,617	
4	20	8,881	10,106	11,827	
4	30	10,535	11,991	14,036	
4	40	12,188	13,877	16,246	
4	50	13,842	15,762	18,455	
4	60	15,496	17,647	20,665	
4	70	17,150	19,532	22,874	
4	80	18,804	21,417	25,083	
4	max 83.5	19,383	22,077	25,857	
2	10	6,400	7,278	8,513	
2	20	7,227	8,221	9,617	
2	30	8,054	9,163	10,722	
2	40	8,881	10,106	11,827	
2	50	9,708	11,049	12,932	
2	60	10,535	11,991	14,036	
2	70	11,362	12,934	15,141	
2	80	12,188	13,877	16,246	
2	max 83.5	12,478	14,206	16,632	
Counterweight No.: 5 (2 bolts)					
cranks only		5,573	6,336	7,408	

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4	10	6,976	7,935	9,283
4	20	8,379	9,535	11,157
4	30	9,783	11,134	13,032
4	40	11,186	12,734	14,907
4	50	12,589	14,333	16,781
4	60	13,993	15,933	18,656
4	70	15,396	17,533	20,531
4	80	16,799	19,132	22,405
4	max 83.5	17,290	19,692	23,061
2	10	6,275	7,135	8,345
2	20	6,976	7,935	9,283
2	30	7,678	8,735	10,220
2	40	8,379	9,535	12,157
2	50	9,081	10,335	12,095
2	60	9,783	11,134	13,032
2	70	10,484	11,934	13,969
2	80	11,186	12,734	14,907
2	max 83.5	11,432	13,014	15,235
Counterweight No.: 6 (2 bolts)				
cranks only		5,573	6,336	7,408
4	10	6,694	7,613	8,905
4	20	7,814	8,890	10,402
4	30	8,935	10,168	11,899
4	40	10,055	11,445	13,396
4	50	11,176	12,722	14,893
4	60	12,296	14,000	16,390
4	70	13,417	15,277	17,887
4	80	14,538	16,554	19,384
4	max 85.6	15,168	17,273	20,226
2	10	6,133	6,974	8,156
2	20	6,694	7,613	8,905
2	30	7,254	8,252	9,653
2	40	7,814	8,890	10,402
2	50	8,374	9,529	11,150
2	60	8,935	10,168	11,899
2	70	9,495	10,806	12,647
2	80	10,055	11,445	13,396
2	max 85.6	10,370	11,804	13,817
Counterweight No.: 7 (2 bolts)				
cranks only		5,573	6,336	7,408
4	10	6,413	7,294	9,531
4	20	7,254	8,252	9,653
4	30	8,094	9,210	10,776
4	40	8,935	10,168	11,899
4	50	9,775	11,126	13,022
4	60	10,616	12,084	14,144

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4	70	11,456	13,042	15,267
4	80	12,296	14,000	16,390
4	max 88.5	13,011	14,814	17,344
2	10	5,993	6,815	7,969
2	20	6,413	7,294	8,531
2	30	6,834	7,773	9,092
2	40	7,254	8,252	9,653
2	50	7,674	8,731	10,215
2	60	8,094	9,210	10,776
2	70	8,514	9,689	11,338
2	80	8,935	10,168	11,899
2	max 88.5	9,292	10,575	12,376
Counterweight No.: 8 (2 bolts)				
cranks only		5,573	6,336	7,408
4	10	6,133	6,974	8,156
4	20	6,694	7,613	8,905
4	30	7,254	8,252	9,653
4	40	7,814	8,890	10,402
4	50	8,374	9,529	11,150
4	60	8,935	10,168	11,899
4	70	9,495	10,806	12,647
4	80	10,055	11,445	13,396
4	max 92	10,728	12,211	14,294
2	10	5,853	6,655	7,782
2	20	6,133	6,974	8,156
2	30	6,413	7,294	8,531
2	40	6,694	7,613	8,905
2	50	6,974	7,932	9,279
2	60	7,254	8,252	9,653
2	70	7,534	8,571	10,028
2	80	7,814	8,890	10,402
2	max 92	8,150	9,274	10,851