LOAD CHART 'S'

LOAD RATINGS IN KILOGRAMS.
OVER SIDE AND OVER REAR WITH OUTRIGGERS
POWERED BOOM LENGTHS IN METRES

OPERATING RADIUS IN METRES.	11	13	15	17	19	21	23	25	27	29	31	33	34.75	34.75 METRE BOOM W/BOOM EXTENSION 9.0m	34.75 METRE BOOM W/BOOM EXTENSION 12.0m	OPERATING RADIUS IN METRES.
	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	∡ Kilograms	
3.00	70 60000	73 54600	75 49200	77 44000	78 38800	79 35200										3.00
3.50	66 50800	70 47400	73 43800	75 40400	77 37000	78 34000	79 32200									3.50
4.00	64 44600	68 42100	71 39800	73 38500	75 35500	77 32900	78 29000	79 25500	80 20400							4.00
5.00	58 34900	64 33800	67 33100	70 32800	72 32200	74 30500	75 27500	77 23200	78 19300							5.00
6.00	51 29500	58 28400	63 28000	66 27600	69 27250	71 26500	73 23000	74 20500	76 17800	79 17300	80 17100					6.00
7.00	44 24500	52 23450	58 23000	62 22850	66 22500	68 22000	70 18600	72 19400	73 17400	76 17000	78 16800	79 16400	80 16000			7.00
8.00	35 19800	46 19350	53 19120	58 19050	62 18900	65 18800	67 15860	69 17500	71 16100	73 15800	76 15000	77 14550	78 14000	79 7050	80 6000	8.00
9.00	22 15600	39 15150	48 15000	54 14920	59 15000	62 15050	65 15820	67 15000	68 13600	71 12800	74 12500	75 12400	76 12000	77 6270	79 5400	9.00
10.00		31 12300	42 12150	50 12090	55 12070	59 12100	62 12820	64 13050	66 12680	68 11400	72 10800	73 10400	74 10000	76 6270	78 4950	10.00
12.00			28 8400	40 8340	47 8320	52 8350	56 8920	59 9110	61 9340	64 9490	65 9200	67 8200	69 8000	74 5330	77 4200	12.00
14.00				26 5980	37 6000	44 6050	49 6450	53 6680	56 6860	59 7010	61 7200	63 7420	65 6800	71 4640	75 3600	14.00
16.00					25 4350	35 4420	42 4800	47 4990	51 5170	54 5320	57 5510	59 5700	61 5890	69 4050	73 3100	16.00
18.00						24 3220	34 3600	40 3750	45 3970	49 4080	52 4270	55 4460	57 4660	66 3470	70 2650	18.00
20.00							24 2620	32 2850	39 3040	43 3150	47 3340	51 3520	53 3680	63 3000	67 2400	20.00
22.00								24 2100	31 2290	37 2400	42 2590	46 2770	49 2940	60 2530	65 2000	22.00
24.00									25 1690	30 1800	36 1990	41 2170	44 2330	56 2050	62 1750	24.00
26.00										24 1310	29 1500	35 1690	39 1840	54 1600	59 1550	26.00
28.00											24 1090	30 1270	34 1430	51 1500	57 1400	28.00
30.00												23 900	27 1090	47 1100	54 1060	30.00
32.00													23 760	43 1000	48 960	32.00

WHEN BOOM EQUIPPED WITH JIB MAIN HOOK RATINGS MUST BE REDUCED TO COMPENSATE FOR JIB WEIGHT.

BOOM EQUIPPED WITH	JIB STORED	JIB EXTENDED 9mJIB	12mJIB	15mJIB	18mJIB	21mJIB
BOOM DEDUCTION	375KG	860KG	110KG	1760KG	1970KG	2260KG

WARNING: TO ACHIEVE RATINGS SHOWN #1 & #2 BOOM EXTENSIONS MUST BE EQUALLY EXTENDED THRU 25.0m #1 & #2 EXTENSIONS MUST BE FULLY EXTENDED (26.8m) BEFORE EXTENDING #3.

HOIST REEVING

MAIN ROPE 19mm DIAMETRE BREAKING STRENGTH 265.0 KILONEWTONS
AUX. ROPE 16mm DIAMETRE BREAKING STRENGTH 106.0 KILONEWTONS

PERMISSIBLE LINE LOADS IN KILOGRAMS

PARTS LINE	1	2	3	4	5	6	7	8	9	10
MAIN	6000	12000	18000	24000	30000	36000	42000	48000	54000	60000
AUX	4500	9000	13500	18000						

WEIGHTS OF LOAD HANDLING DEVICES

SINGLE LINE WEIGHTED HOOK	205kg
1 SHEAVE HOOK BLOCK	350kg
3 SHEAVE HOOK BLOCK	400kg
5 SHEAVE HOOK BLOCK	450kg

MAXIMUM JIB LOAD RATINGS IN KILOGRAMS

JIB LENGTH IN METRES.

MINIMUM BOOM ANGLE		9.0 RAD IN M	9.0 LOAD IN KGS	12.0 RAD IN M	12.0 LOAD IN KGS	15.0 RAD IN M	15.0 LOAD IN KGS	18.0 RAD IN M	18.0 LOAD IN KGS	21.0 RAD IN M	21.0 LOAD IN KGS
30°OFF-SET 20°OFF-SET 10°OFF-SET	80°	7.0	8650	8.0	7330	9.64	4000	10.7	2800	11.7	2100
	75°	10.4	7780	11.7	6460	13.8	3800	15.1	2460	16.3	1850
	70°	13.7	7000	15.3	5940	17.8	3200	19.3	2050	20.9	1550
	65°	17.0	4500	18.7	4300	21.7	2400	23.4	1700	25.2	1290
	60°	20.1	3300	22.0	2600	25.5	1900	27.3	1400	29.3	1050
	55°	23.0	2400	25.1	2100	29.0	1350	31.1	1100		
	80°	8.4	7000	9.9	5200	12.0	3600	13.3	2300	15.0	1750
	75°	11.7	6100	13.5	4200	16.1	3300	17.8	2100	19.5	1600
	70°	15.0	5300	16.9	3250	20.0	2850	21.9	1900	23.9	1440
	65°	18.2	3900	20.3	2800	23.7	2150	25.8	1550	28.0	1180
	60°	21.2	2700	23.5	2300	27.3	1840	29.5	1200	31.9	910
	55°	23.8	2000	25.2	1550	30.7	1290				
	80°	9.6	5000	11.6	3500	14.2	2500	16.1	2000	18.0	1520
	75°	13.0	4200	15.1	3000	18.0	2250	20.2	1750	22.3	1330
	70°	16.1	3300	18.4	2800	21.8	2050	24.1	1520	26.4	1150
	65°	19.2	3000	21.7	2100	25.4	1850	27.8	1310	30.3	950
	60°	22.1	2250	24.7	1850	28.8	1680	31.4	1100		
	55°	24.8	1450	27.5	1100	32.0	1130				

Deductions apply when lifting from boom point with jib erected use ratings for 34.75 metre boom & apply appropriate deduction for lengths less than 34.75 metres use boom angle to determine load rating in 34.75 metre column for angles not shown use rating of next Tower boom angle.