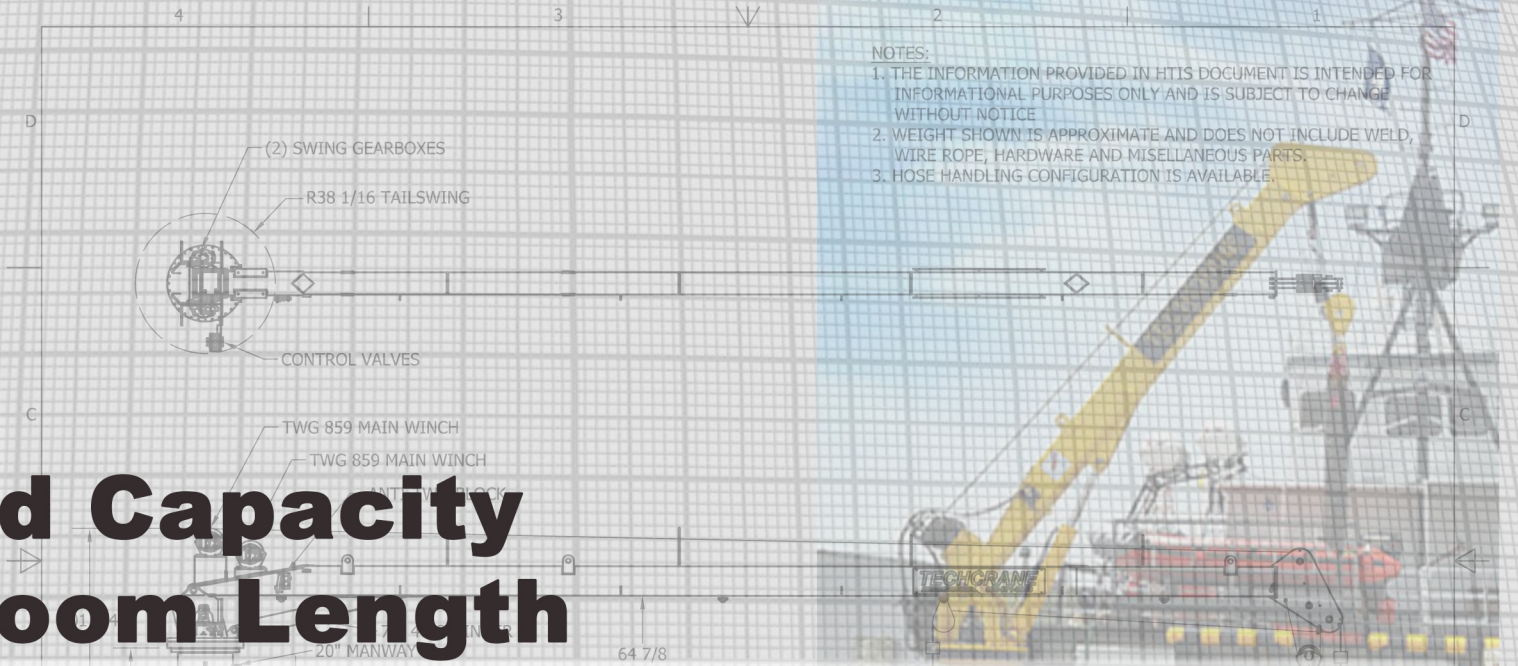


F110

Load Capacity By Boom Length



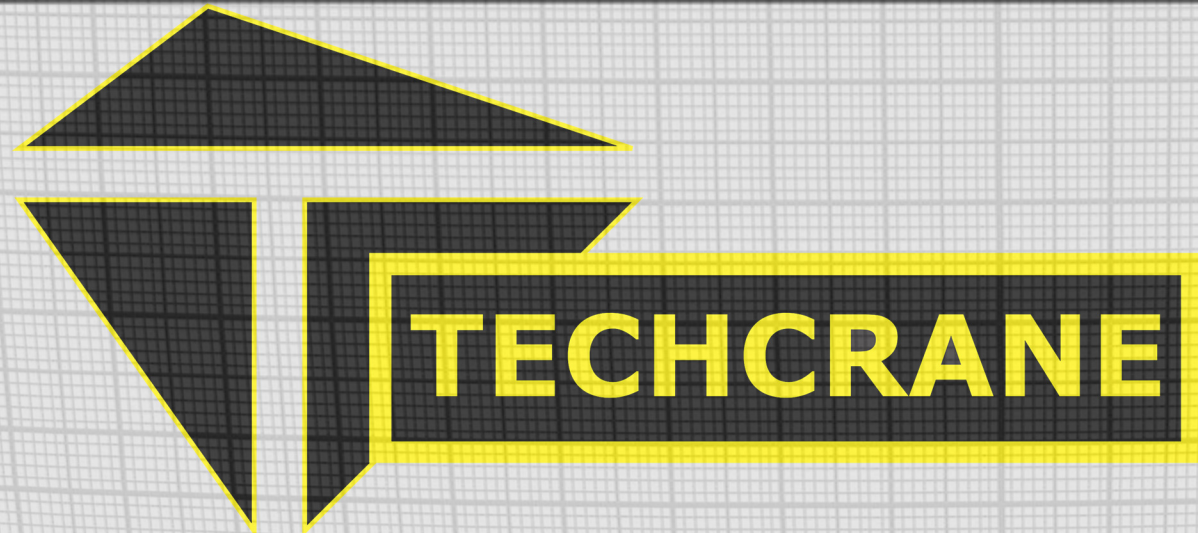
- NOTES:
1. THE INFORMATION PROVIDED IN THIS DOCUMENT IS INTENDED FOR INFORMATIONAL PURPOSES ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
 2. WEIGHT SHOWN IS APPROXIMATE AND DOES NOT INCLUDE WELD, WIRE ROPE, HARDWARE AND MISCELLANEOUS PARTS.
 3. HOSE HANDLING CONFIGURATION IS AVAILABLE.

US UNITS: BOOM LENGTH = 20 Feet				US UNITS: BOOM LENGTH = 30 Feet				US UNITS: BOOM LENGTH = 40 Feet				US UNITS: BOOM LENGTH = 50 Feet				US UNITS: BOOM LENGTH = 60 Feet				US UNITS: BOOM LENGTH = 65 Feet			
REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs
3	81.2	12,000	7,255	5	81.2	12,000	7,255	6.1	81.2	12,000	7,255	8	81.2	12,000	7,255	9	81.2	12,000	7,255	10.5	81.2	10,360	6,263
5	75.5	12,000	7,255	10	70.5	12,000	7,255	10	75.5	12,000	7,255	10	77	12,000	7,255	10	80.4	10,360	6,263	15	77.2	9,770	5,906
10	60	12,000	7,255	15	60	12,000	7,255	15	68	11,650	7,043	15	71	11,500	6,952	15	75.5	8,530	5,157	20	72.6	7,900	4,776
15	41.4	12,000	7,255	20	48.2	11,230	6,789	20	60	11,080	6,698	20	65	9,163	5,539	20	70.5	6,791	4,105	25	67.9	6,388	3,862
20	0	9,397	5,681	25	33.6	9,030	5,459	25	51.3	9,110	5,507	25	59	7,438	4,497	25	65.4	5,561	3,362	30	63.1	5,100	3,083
				30	0	5,740	3,470	30	41.4	7,140	4,316	30	52	6,125	3,703	30	60	4,644	2,808	35	58	4,220	2,551
								35	29	5,920	3,579	35	44	5,113	3,091	35	54.3	3,935	2,379	40	52.6	3,600	2,176
								40	0	3,630	2,195	40	36	4,400	2,660	40	48.2	3,371	2,038	45	46.7	3,080	1,862
												45	25	3,650	2,207	45	41.4	2,911	1,760	50	40.3	2,760	1,669
												50	0	2,388	1,444	50	33.6	2,531	1,530	55	32.8	2,274	1,375
																55	23.6	2,214	1,338	60	23.2	1,930	1,167
																60	0	1,188	718	65	0	990	599

SI UNITS BOOM LENGTH = 6 Meters				SI UNITS BOOM LENGTH = 9 Meters				SI UNITS BOOM LENGTH = 12 Meters				SI UNITS BOOM LENGTH = 15 Meters				SI UNITS BOOM LENGTH = 18 Meters				SI UNITS BOOM LENGTH = 19.8 Meters			
REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg	REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg	REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg	REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg	REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg	REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg
0.9	81.2	5,455	3,298	1.5	81.2	5,455	3,298	1.9	81.2	5,455	3,298	2.4	81.2	5,455	3,298	2.7	81.2	5,455	3,298	3.2	81.2	4,709	2,847
1.5	75.5	5,455	3,298	3.0	70.5	5,455	3,298	3.0	75.5	5,455	3,298	3.0	77	5,455	3,298	3.0	80.4	4,709	2,847	4.6	77.2	4,441	2,685
3.0	60	5,455	3,298	4.6	60	5,455	3,298	4.6	68	5,295	3,201	4.6	71	5,227	3,160	4.6	75.5	3,877	2,344	6.1	72.6	3,591	2,171
4.6	41.4	5,455	3,298	6.1	48.2	5,105	3,086	6.1	60	5,036	3,045	6.1	65	4,165	2,518	6.1	70.5	3,087	1,866	7.6	67.9	2,904	1,755
6.1	0	4,271	2,582	7.6	33.6	4,105	2,481	7.6	51.3	4,141	2,503	7.6	59	3,381	2,044	7.6	65.4	2,528	1,528	9.1	63.1	2,318	1,401
				9.1	0	2,609	1,577	9.1	41.4	3,245	1,962	9.1	52	2,784	1,683	9.1	60	2,111	1,276	10.7	58	1,918	1,160
								10.7	29	2,691	1,627	10.7	44	2,324	1,405	10.7	54.3	1,789	1,081	12.2	52.6	1,636	989
								12.2	0	1,650	998	12.2	36	2,000	1,209	12.2	48.2	1,532	926	13.7	46.7	1,400	846
												13.7	25	1,659	1,003	13.7	41.4	1,323	800	15.2	40.3	1,255	758
												15.2	0	1,085	656	15.2	33.6	1,150	696	16.8	32.8	1,034	625
																16.8	23.6	1,006	608	18.3	23.2	877	530
																18.3	0	540	326	19.8	0	450	272

LOAD CHART CREATOR: DSHAD 12/2018 rev1.0 - Values listed subject to change without notice. - Values reflect structural capacities and may vary with configuration via client specification. Offboard denotes a default CV=2. Sea State Load Charts are available by request and in conjunction with client supplied vessel data.

Designed and Manufactured
under the controls set forth



Techcrane Designs
Previously Approved By

