

DULARGE - CRANE LOAD CHART

LOADS STATED IN THOUSANDS OF POUNDS

100' BOOM														JIB					
RADIUS FEET	ANGLE DEG.	14 PART			12 PART			10 PART			8 PART			2 PART			1 PART		
		STAT	DYN.		STAT	DYN.		STAT	DYN.		STAT	DYN.		STAT	DYN.		STAT	DYN.	
20.0	82.8	230.0	156.4	206.3	156.4	180.4	156.4	147.9	147.9	147.9	147.9	147.9	24.0	21.7	12.0	24.0	21.7	12.0	
25.0	79.9	230.0	146.2	206.3	146.2	180.4	120.9	147.9	147.9	147.9	146.2	24.0	21.7	12.0	24.0	21.7	12.0		
30.0	76.9	200.0	134.0	200.0	134.0	180.4	120.9	147.9	147.9	147.9	134.0	24.0	21.7	12.0	24.0	21.7	12.0		
35.0	74.0	170.3	114.1	170.3	114.1	170.3	114.1	147.9	147.9	147.9	114.1	24.0	21.7	12.0	24.0	21.7	12.0		
40.0	70.9	148.2	99.3	148.2	99.3	148.2	99.3	147.9	147.9	147.9	99.3	24.0	21.7	12.0	24.0	21.7	12.0		
45.0	67.9	130.9	87.7	130.9	87.7	130.9	87.7	130.9	130.9	130.9	87.7	24.0	21.7	12.0	24.0	21.7	12.0		
50.0	64.7	117.1	78.4	117.1	78.4	117.1	78.4	117.1	117.1	117.1	78.4	24.0	21.7	12.0	24.0	21.7	12.0		
55.0	61.5	105.8	70.9	105.8	70.9	105.8	70.9	105.8	105.8	105.8	70.9	24.0	21.7	12.0	24.0	21.7	12.0		
60.0	58.1	96.3	64.5	96.3	64.5	96.3	64.5	96.3	96.3	96.3	64.5	24.0	21.7	12.0	24.0	21.7	12.0		
65.0	54.6	88.3	59.2	88.3	59.2	88.3	59.2	88.3	88.3	88.3	59.2	24.0	21.7	12.0	24.0	21.7	12.0		
70.0	51.0	81.5	54.6	81.5	54.6	81.5	54.6	81.5	81.5	81.5	54.6	24.0	21.7	12.0	24.0	21.7	12.0		
75.0	47.1	75.6	50.7	75.6	50.7	75.6	50.7	75.6	75.6	75.6	50.7	24.0	21.7	12.0	24.0	21.7	12.0		
80.0	43.0	70.4	47.2	70.4	47.2	70.4	47.2	70.4	70.4	70.4	47.2	24.0	21.7	12.0	24.0	21.7	12.0		
85.0	38.4	65.8	44.1	65.8	44.1	65.8	44.1	65.8	65.8	65.8	44.1	24.0	21.7	12.0	24.0	21.7	12.0		
90.0	33.2	61.7	41.3	61.7	41.3	61.7	41.3	61.7	61.7	61.7	41.3	24.0	21.7	12.0	24.0	21.7	12.0		
95.0	27.1	58.1	38.9	58.1	38.9	58.1	38.9	58.1	58.1	58.1	38.9	24.0	21.7	12.0	24.0	21.7	12.0		
100.0	19.6	54.9	36.8	54.9	36.8	54.9	36.8	54.9	54.9	54.9	36.8	24.0	21.7	12.0	24.0	21.7	12.0		
105.0	9.7	51.9	34.8	51.9	34.8	51.9	34.8	51.9	51.9	51.9	34.8	24.0	21.7	12.0	24.0	21.7	12.0		
106.0	7.3	51.4	34.4	51.4	34.4	51.4	34.4	51.4	51.4	51.4	34.4	24.0	21.7	12.0	24.0	21.7	12.0		

1. WORKING RADIUS MEASURED FROM THE MAIN HOOK TO THE CENTERLINE OF ROTATION.
2. STATIC RATED LOADS ARE TO BE USED FOR LIFTING LOADS FROM OR SETTING LOADS ONTO FIXED, BOTTOM SUPPORTED STRUCTURES OR PLATFORMS. DYNAMIC RATED LOADS ARE TO BE USED FOR LIFTING LOADS FROM OR SETTING LOADS ONTO FLOATING PLATFORMS OR BOATS.
3. STATIC AND DYNAMIC RATED LOADS WERE COMPUTED IN ACCORDANCE WITH ALL REQUIREMENTS OF (API STD. 2C)
 STATIC RATED LOAD BASIS : 1.33 X LIVE LOAD + 1.0 X DEAD LOAD DYNAMIC RATED LOAD BASIS : Cb = 2.0
4. RATED LOADS ARE NET LOADS, A 5000 LB MAIN BLOCK AND A 210 LB OVERHAUL BALL HAVE BEEN DEDUCTED FROM GROSS LOADS, WEIGHTS OF ALL SLINGS, SPREADERS, SHACKLES, ETC. MUST BE INCLUDED IN THE LIFTED LOAD.
5. MAIN DRUM CABLE IS : 1" DIA. 6 X 19 IWRC EIPS 51.7 TON BREAKING STRENGTH.
6. AUXILIARY DRUM CABLE IS 7/8" DIA. 19 X 7 IWRC EIPS 32.5 TON BREAKING STRENGTH.
7. LUFFING DRUM CABLE IS 1" DIA. 6 X 19 IWRC DIPS 51.7 TON BREAKING STRENGTH.
8. THE ABOVE RATINGS ARE STRUCTURAL ONLY. THE ACTUAL LIFTING CAPACITY OF THIS MACHINE MAY BE LIMITED BY THE MAXIMUM LINE PULL OF THE HOIST DRUMS.

DULARGE – Auxillary

Nautilus 10-50

LOAD RATING
PERSONNEL RATED
WIRE ROPE 1/2 - 19 X 7 - 400 FT
4 PART CAPACITY

BOOM ANGLE (DEGREES)	LOAD RADIUS	STATIC	DYNAMIC
78	10	17200	11300
75	13	17100	11200
66	20	10000	6600
60	25	8000	5280
53	30	6500	4290
45	35	5300	3490
38	40	4500	3970
15	48	3750	2475
0	50	3500	2310