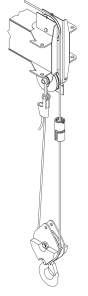


Specifications

800D winch data

- All winch pulls and speeds in this chart are shown on the **fourth** layer
- Winch line pulls would increase on the first, second and third layers
- Winch line speed would decrease on the first, second and third layers
- Winch line pulls may be limited by the winch capacity or the ANSI 5 to 1 cable safety factor
- Hook blocks are rated at maximum capacity for the block. **Do not exceed rated cable pull with any block.**

1 part line	2 part line	3 part line	4 part line	5 part line	6 part line
					

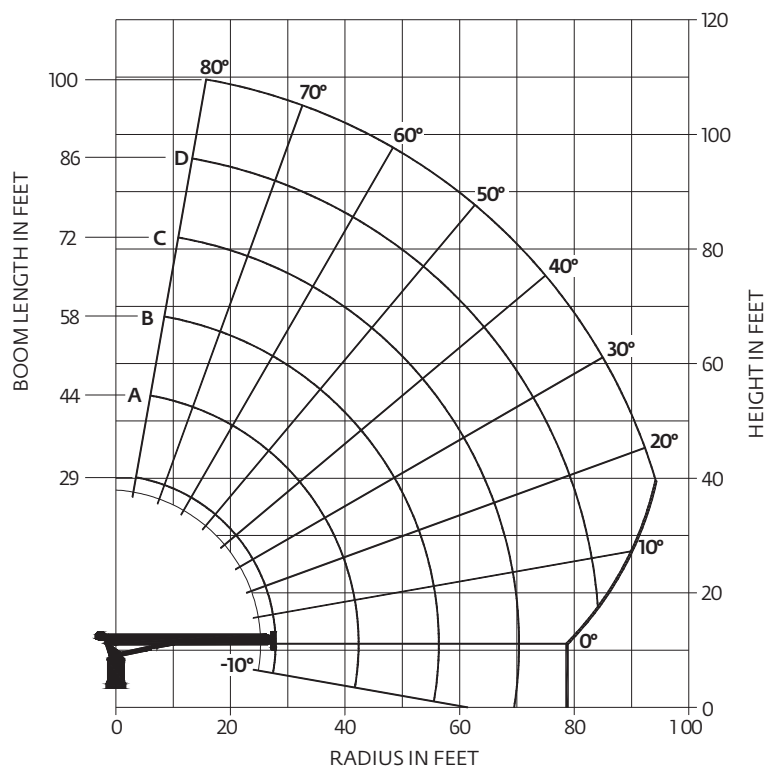
Winch	Cable supplied	Average breaking strength	Lift and speed	Lift and speed	Lift and speed	Lift and speed	Lift and speed	Lift and speed
Standard planetary winch	9/16" diameter rotation resistant	17 463 kg (38,600 lb)	3492 kg (7700 lb) 45 m/min (147 fpm)	6985 kg (15,400 lb) 22 m/min (73 fpm)	10 477 kg (23,100 lb) 15 m/min (49 fpm)	13 970 kg (30,800 lb) 11 m/min (38 fpm)	17 163 kg (38,500 lb) 9 m/min (29 fpm)	20 865 kg (46,000 lb) 8 m/min (25 fpm)
With "Burst-of-Speed"	9/16" diameter rotation resistant	17 463 kg (38,600 lb)	1360 kg (3000 lb) 62 m/min (206 fpm)	2721 kg (6000 lb) 31 m/min (103 fpm)	4082 kg (9000 lb) 20 m/min (68 fpm)	5443 kg (12,000 lb) 15 m/min (51 fpm)	6803 kg (15,000 lb) 12 m/min (41 fpm)	8164 kg (18,000 lb) 10 m/min (34 fpm)

Winch	Bare drum pull	Allowable cable pull
Standard rotation resistant rope	4627 kg (10,200 lb)	3493 kg (7700 lb)

Loadline deduct		
Block type	Rating	Weight
Downhaul weight	3,49 t (3.85 USt)	68 kg (150 lb)
1-sheave block	10,48 t (11.55 USt)	138 kg (305 lb)
2-sheave block	17,46 t (19,25 USt)	161 kg (355 lb)
3-sheave block	27,21 t (30.00 USt)	261 kg (575 lb)

Capacities

8100D: 100 ft boom with no jib



CAUTION:

- Do not operate crane booms, jib extensions, any accessories or loads within 3 m (10 ft) of live power lines or other conductors of electricity.
- Jib and boom capacities shown are maximum for each section.
- Do not exceed capacities at reduced radii.
- Load ratings shown on the load rating charts are maximum allowable loads with the outriggers properly extended on a firm, level surface and the crane leveled and mounted on a factory recommended truck.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not exceed jib capabilities at any reduced boom lengths.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

Load chart

LOAD RADIUS (FEET)	LOADED BOOM ANGLE	29 ft BOOM (lb)	LOADED BOOM ANGLE	A 44 ft BOOM (lb)	LOADED BOOM ANGLE	B 58 ft BOOM (lb)	LOADED BOOM ANGLE	C 72 ft BOOM (lb)	LOADED BOOM ANGLE	D 86 ft BOOM (lb)	LOADED BOOM ANGLE	100 ft BOOM (lb)
5	79	46,000										
8	72.5	31,500	79	28,500								
10	68	26,300	76	23,800								
12	63.5	22,600	73.5	20,300	78	18,500						
14	59	19,800	70.5	17,800	76	16,200	79.5	14,700				
16	54	17,500	68	15,800	74	14,300	77.5	13,000				
20	43	14,200	61	12,800	69.5	11,700	74.5	10,700	77.5	9850		
25	25	10,500	54	10,300	64	9400	70	8600	74	7950	77	7350
30			45	8500	58.5	7800	66	7000	70.5	6450	74	6100
35			35	6900	53	6550	61.5	5950	67	5500	71	5150
40			20	5200	46	5550	56.5	5100	63	4700	67.5	4500
45					38	4700	51.5	4400	59.5	4100	64.5	3900
50					28.5	3850	46	3800	55	3550	61	3400
55					14	2650	40	3250	51	3100	57.5	2900
60							33	2700	46.5	2700	54	2550
65							24	2150	41	2300	50	2100
70							6.5	1050	35.5	1900	46	1900
75									29	1550	42	1600
80									20	1100	37	1300
85											32	1050
90											25	750
	0	5900	0	2900	0	1400	0	500				

Note: Shaded areas are structurally limited capacities.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.