



MANITOWOC ENGINEERING CO.

A division of The Manitowoc Company, Inc.

Manitowoc, Wisconsin 54220

WEIGHTS

4100W SERIES 3 RINGER®

DESCRIPTION	APPROX. WEIGHT (IN LBS.)
36 FT. DIA. AUXILIARY ROLLER RING	
Side Segment (2 req'd.)	9,975 each
End Segment (2 req'd.)	6,450 each
Side Support Beam (2 req'd.)	8,000 each
Wear Plates (16 req'd.)	360 each
Front Roller Carrier Stop (2 req'd.)	701 each
Aux. Counterweight Carrier Stop (2 req'd.)	333 each
HYDRAULIC JACKING SYSTEM	
Hydraulic Cylinders (4 req'd.)	1,015 each
Cylinder Support Pads (4 req'd.)	250 each
Power Plant and Reservoir.	530
FRONT ROLLER CARRIER ASSEMBLY	
Front Section w/Rollers, Hook Shoes and Mast Support	21,360
Front Section w/Rollers, Hook Rollers and Mast Support	21,770
Rear Section	3,625
AUXILIARY COUNTERWEIGHT ASSEMBLY	
Aux. Counterweight Carrier	22,261
Side Beam (2 req'd.)	11,535 each
Front Crossover Beam	2,350
Rear Crossover Beam.	400
Counterweight Roller Assembly (2 req'd.)	1,500 each
Counterweight Boxes w/fill (6 maximum req'd.)	46,000 each
SCREW JACK SUPPORT SYSTEM	
Front or Rear Beam (4 req'd.)	2,800 each
Side Beam (4 req'd.)	1,600 each
Side Center Beam (2 req'd.)	2,000 each
Jack Spindle (10 req'd.)	335 each
Jack Housing (10 req'd.)	95 each
Jack Support Pad (10 req'd.)	570 each
MAST ASSEMBLY - NO. 22A BOOM	
Mast Butt - 30'	5,980
Mast Top - 40'	6,880
Upper Mast Point	1,715
Lower Sheave Carrier	1,145
Pendant Links w/Shaft - Mast Top	2,990
Mast Insert - 20'	2,425
Mast Insert - 40'	4,375
Pendant - 84' 8-3/4" (4 req'd.)	460 each
Pendant - 111' 9-1/4" (4 req'd.)	965 each
Equalizer - Mast Self-erecting w/Links	2,745
Mast Stop.	1,660
	(Cont'd.)

1-040-01701

BOOM WEIGHTS:

DESCRIPTION	BOOM NO'S.					
	NO. 27		NO. 27A-27		NO. 27AB	
	LENGTH ft.-in.	WEIGHT lbs.	LENGTH ft.-in.	WEIGHT lbs.	LENGTH ft.-in.	WEIGHT lbs.
Boom Butt.	40-6	8,600	40-6	9,820	40-6	9,820
Boom Top	39-6	8,320	39-6	9,465	39-6	9,465
Boom Insert.	20	3,480	20	3,480	20	3,480
Boom Insert.	40	5,925	40	5,925	40	5,925
Boom Insert.	--	--	40	7,720	40	7,720
Basic Pendant-(4 req'd.)	31-6	155 ea.	25	155ea.	25	155ea.
Pendant-(4 per insert)	20	140 ea.	20	145ea.	20	145ea.
Pendant-(4 per insert)	40	205ea.	40	210ea.	40	210ea.
Equalizer.		2,130		2,130		2,130
Lower Boom Point		1,440		2,490		1,440
Upper Boom Point		910		1,260		910
Jib Adapter.		535		535		535
Wire Rope Guide-(Upper).		435		435		435
Wire Rope Guide-(Lower).		500		500		500

JIB WEIGHTS:

DESCRIPTION	JIB NO'S.			
	NO. 122A		NO. 123	
	LENGTH ft.-in.	WEIGHT lbs.	LENGTH ft.-in.	WEIGHT lbs.
Jib Butt	15	1,400	15	600
Jib Top.	25	1,500	15	490
Jib Insert	10	520	10	325
Basic Pendant - (2 req'd.)	44-6	200ea.	33-3 ³ / ₄	110 ea.
Pendant - (2 per insert)	10	85ea.	9-6	65 ea.
Basic Backstay Pendant - (2 req'd., w/links)	72-9	235ea.	39-3 ³ / ₄	175 ea.
Backstay Pendant - (2 req'd., w/links)	--	--	56	195 ea.
Jib Strut.	18-9	1,015	12-6	380
Jib Stop		135		--
Jib Point.		650		180

COMPONENTS

Boom Hoist Rope - 8 Part - 2140' of 7/8" - 6x26.	3,000
Hoist Line - 1-1/8" - 6x31	2.3 lbs./ft.
Whip Line - 1-1/8" - 6x31.	2.3 lbs./ft.
Wire Rope Guide Roller Assembly.	85
15 Ton Hook and Weight Ball.	1,250
300 Ton Block	
Traveling Block	8,920
Stationary Boom Point Block	1,180
200 Ton Hook Block	5,430
Boom Stop - Telescopic Air Cushioned	1,110

NOTE: The above weights may fluctuate $\pm$ 5% due to manufacturing tolerances. Also, the weights of various small components have been omitted from this weight sheet. However, for determining a total shipping weight add an additional 7000 lbs. to the total component weights.