



BILL OF MATERIAL					ASSEMBLIES USED ON
ITEM NO.	REV.	DESCRIPTION	QUANTITY	MATERIAL	DATE

REVISIONS  
07-15-09 SAV  
11 ADDED  
OPTION 719394  
81 REMOVED  
OPTIONS 719370  
& 719385

DWG. NO.  
179395  
SHT 1 OF 3

PRIVATE LABELING  
REQUIREMENT TO  
CONFORM TO  
ENGINEERING  
SPECIFICATION  
6829103794 FOR  
COMPONENTS LISTED  
IN 6829103794

DATE  
07-17-97  
PATTERN NO.

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- 11300 m TON
- 21.00 WIRE ROPE FOR USE WITH OPTIONAL LAGGING #502369 (REF. DRUM SHAFT ASSEMBLY) NEITHER 25 mm NOR 26 mm METRIC ROPE WILL SPOOL CORRECTLY FOR THIS LAGGING AND SHOULD NOT BE CONSIDERED AS ALTERNATE ROPES.
- 3900 U.S. TON
- 4BOLT TORQUE: (WITH LOCTITE #271) APPLY TO THDS, LOCTITE #271 (MCC CODE NO. 622292) CAPSCREWS W/END PLATE (ITEM 8) TORQUE TO 115 FT. LBS.
- 5NEVER-SEEZ: APPLY NEVER-SEEZ OR EQUIVALENT TO THE FOLLOWING: ALL SLEEVE I.D.
- 6SEE OPTIONAL 90T UPPER POINT BILL OF MATERIAL
- 7FOR 278 THRU 403 FT BOOM, 50FT #72 INSERT (ITEM 25) MUST BE LOCATED ABOVE #72A INSERTS.
- 8REF. 1.25-7UNC X 3.50 LG. CAPSCREW - MANITOWOC CODE NO. 612928

OPTIONAL - 900T			
44	1	LOWER BM POINT HANGER FRAME ASSY	1743463
45			

OPTIONAL - 90T UPPER POINT WITH 1.125 WIRE ROPE			
46	1	BOOM POINT ASSEMBLY-UPPER	175731
47	2	SPACER	175753
48	1	WIRE ROPE GUIDE ASSEMBLY	175882
49	1	WIRE ROPE GUIDE ASSEMBLY	175889
50			
51	1	SHEAVE 42.00 DIA, 1.12 ROPE - STEEL	631092

BILL OF MATERIAL					ASSEMBLIES USED ON
ITEM NO. OR Dwg. No.	SEC-TION	DESCRIPTION	LENGTH IN.	MATERIAL	
11		1.00 X 1.00	5.00	CF 1018	174346-9
24		PIN			136697
32		PIN			160306
44		WASHER			162803
51		BOOM ANGLE INDICATOR ASSEMBLY			168779
61		BOOM STOP ASSEMBLY FOR #72 BOOM			173550
71		WIRE ROPE GUIDE ASSEMBLY #72 BOOM			173795
81		END PLATE			174236
91		SLEEVE			174345
101		SPACER			174354
111		SPACER			174356
121		EQUALIZER SUPPORT ASSEMBLY			174811
131		LOWER BM POINT HANGER FRAME ASSY			1750781
142		LINK			175221
151		ROPE GUARD			175754
161		EQUALIZER ASSEMBLY			175887
171		#75A MAST ASSEMBLY			179123
182		SHEAVE 42.00 DIA, 1.62 ROPE - STEEL			631086
19					
20					
21					

REVISIONS12-19-97 ACK A1WAS 173435

ITEM NO. DWG. NO.	22173436	23175608	24175610	257173408	26179982	27175699	28175700	29175702	30175709	31175701	32175713	33175714	34175715	35175797	36175796	37175795	38175794	39175245	40175242
BOOM LENGTH	50 FT 15.24 M BUTT	50 FT 15.24 M #72A INSERT	25 FT 7.62 M #72A INSERT	50 FT 7.62 M #72 INSERT	50 FT 15.24 M TRANSITION INSERT	3 FT .91 M TOP	80.83" 2.05 M BASIC STRAP	25 FT 7.62 M STRAP	50 FT 7.62 M STRAP	15.00" .38 M LINK	PIN	COLLAR	PIN	STRAP BRACKET ASSEMBLY	STRAP BRACKET ASSEMBLY	STRAP BRACKET AND TIMBER GUARD ASSEMBLY	STRAP BRACKET ASSEMBLY	TIMBER GUARD ASSEMBLY	TIMBER GUARD ASSEMBLY
153 FT-46.63 M	1	1	0	0	1	1	2	2	0	8	8	8	8	1	1	1	0	1	3
178 FT-54.25 M	1	1	1	0	1	1	2	4	0	12	12	12	12	1	1	2	0	1	3
203 FT-61.87 M	1	2	0	0	1	1	2	4	0	12	12	12	12	1	1	1	0	1	5
228 FT-69.49 M	1	2	1	0	1	1	2	6	0	16	16	16	16	1	1	2	1	1	5
253 FT-77.11 M	1	2	2	0	1	1	2	8	0	20	20	20	20	1	1	3	2	1	5
278 FT-84.73 M	1	2	1	1	1	1	2	6	2	20	20	20	20	1	1	3	2	1	6
303 FT-92.35 M	1	2	2	1	1	1	2	8	2	24	24	24	24	1	1	4	3	1	6
328 FT-99.97 M	1	2	1	2	1	1	2	6	4	24	24	24	24	1	1	4	3	1	7
353 FT-107.59 M	1	2	2	2	1	1	2	8	4	28	28	28	28	1	1	5	4	1	7
378 FT-115.21 M	1	2	1	3	1	1	2	6	6	28	28	28	28	1	1	5	4	1	8
403 FT-122.83 M	1	2	2	3	1	1	2	8	6	32	32	32	32	1	1	6	5	1	8

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TOLERANCE UNLESS OTHERWISE SPECIFIED

DECIMAL PLACES	FABRICATION	MACHINING
(1) PLACE 0.0	≤ 10 FEET ±.120	> 10 FEET ±.030
(2) PLACE 0.00	±.060	±.015
(3) PLACE 0.000		±.005
ANGLES	±1°30'	±0°30'

SCALE

DR. ACK

OK. MJW

APP. TSC

DATE 179395

BY

179395

Manitowoc Cranes, Inc.  
Manitowoc, Wisconsin

BOOM RIGGING ASSEMBLY

MODEL M-1200R

#72A BOOM - #75A MAST

W/ HANGING STEEL CWT

DATE 07-17-97

PATTERN NO.

179395