

REQUIRED FOR VARIOUS BOOM LENGTHS											
ITEM NO.		(21)	(24)	(27)	(30)	(33)	(36)	(23) OR (26)	(29) OR (32)	(35) OR (38)	(44)
BOOM LENGTH		10 FT(3.05 M)	10 FT(3.05 M)	20 FT(6.10 M)	20 FT(6.10 M)	40 FT(12.19 M)	40 FT(12.19 M)	PENDANT	PENDANT	PENDANT	WIRE ROPE
FEET	METERS	INSERT	INSERT WITH JIB BACKSTAY	INSERT	INSERT WITH JIB BACKSTAY	INSERT	INSERT WITH JIB BACKSTAY	10 FT.	20 FT.	40 FT.	ROLLER GUIDE (OPT.)
40 BASIC	12.2	0	0	0	0	0	0	0	0	0	0
50	15.4	1	0	0	0	0	0	2	0	0	1
60	18.3	2	0	0	0	0	0	4	0	0	2
		0	0	1	0	0	0	0	2	0	1
70	21.3	1	0	1	0	0	0	2	2	0	2
		0	1	1	0	0	0	2	2	0	2
80	24.4	2	0	1	0	0	0	4	2	0	3
		0	0	1	1	0	0	0	4	0	2
		0	0	0	0	1	0	0	0	2	2
		0	0	0	0	0	1	0	0	2	2
		0	0	2	0	0	0	0	4	0	2
90	27.4	1	0	2	0	0	0	2	4	0	3
		1	0	1	1	0	0	2	4	0	3
		1	0	0	0	1	0	2	0	2	3
		1	0	0	0	0	1	2	0	2	3
100	30.5	2	0	0	0	1	0	4	0	2	4
		2	0	0	0	0	1	4	0	2	4
		0	0	1	0	1	0	0	2	2	3
		0	0	1	0	0	1	0	2	2	3
110	33.5	1	0	1	0	1	0	2	2	2	4
		1	0	1	0	0	1	2	2	2	4
120	36.6	2	0	1	0	1	0	4	2	2	5
		0	0	2	0	0	0	0	4	2	4
		2	0	1	0	0	1	4	2	2	5
		0	0	0	0	2	0	0	0	4	4
		0	0	2	0	0	1	0	4	2	4
		0	0	0	0	1	1	0	0	4	4
130	39.6	1	0	2	0	1	0	2	4	2	5
		1	0	2	0	0	1	2	4	2	5
		1	0	0	0	2	0	2	0	4	5
		1	0	0	0	1	1	2	0	4	5
140	42.7	2	0	0	0	2	0	4	0	4	6
		2	0	0	0	1	1	4	0	4	6
		0	0	1	0	2	0	0	2	4	5
		0	0	1	0	1	1	0	2	4	5
150	45.7	1	0	1	0	2	0	2	2	4	6
		1	0	1	0	1	1	2	2	4	6
160	48.8	2	0	1	0	2	0	4	2	4	7
		0	0	2	0	2	0	0	4	4	6
		2	0	1	0	1	1	4	2	4	7
		0	0	2	0	1	1	0	4	4	6
		0	0	0	0	3	0	0	0	6	6
		0	0	0	0	2	1	0	0	6	6
170	51.8	1	0	2	0	2	0	2	4	4	7
		1	0	2	0	1	1	2	4	4	7
		1	0	0	0	3	0	2	0	6	7
		1	0	0	0	2	1	2	0	6	7
180	54.9	2	0	0	0	3	0	4	0	6	8
		2	0	0	0	2	1	4	0	6	8
		0	0	1	0	3	0	0	2	6	7

BOOM HANDLING INSTRUCTIONS					SWING ALLOWED	
					CRAWLERS RETRACTED CTWTS INSTALLED	CRAWLERS EXTENDED CTWTS INSTALLED
TRAVEL SPEED NOT TO EXCEED 1/2 MPH WITH BOOM ANGLE AT 10° OR LESS						
ATTACHMENT ARRANGEMENT	GANTRY POSITION	MAX. LENGTH OF BOOM HANDLED	BOOM MAKE UP	BOOM CONDITIONS OR LIMITATIONS		
EQUALIZER PINNED TO LUGS ON BOOM BUTT	UP	59 FT.	BUTT & INSERTS ONLY	CAN CANTILEVER 40 FT. OF INSERTS.	NO*	YES
	DOWN	59 FT.	BUTT & INSERTS ONLY	CAN CANTILEVER 40 FT. OF INSERTS.	NO*	YES
PENDANTS ATTACHED TO BOOM TOP	DOWN	80 FT WITHOUT JIB	BUTT, INSERTS & TOP	LOAD BLOCK, HOOK AND WEIGHT BALL MAY BE SUSPENDED BELOW BOOM POINTS	NO*	YES
		70 FT WITHOUT JIB			NO*	YES

* MACHINE MUST BE FACING FRONT OR REAR (SWING NOT ALLOWED)

REAR DRUM

AUX. DRUM

FRONT DRUM

VIEW OF EQUALIZER PINNED TO BOOM,BUTT



XIMUM NUMBER OF 10 FT. INSERTS = 2.

XIMUM NUMBER OF 20 FT. INSERTS =2.

MINUMATION OF 10 FT. AND 20 FT. INSERTS
NOT EXCEED 2-10 FT. * 1-20 FT.
1-10 FT. * 2-20 FT:

ARTING WITH THE BOOM BUTT, INSERTS MUST BE
STALLED IN ORDER OF ASCENDING LENGTH.

NIMUM BOOM LENGTH REQUIRED FOR JIB = 70 FT.

TAB DRAWING 75002.

R .875 WIRE ROPE.

E VIEW "C".
QUIRED FOR BOOM HANDLING.
SO USED FOR COUNTERWEIGHT HANDLING AND
USING THE GANTRY WITH 40 FT. BASIC BOOM.
E TAB DRAWING 73025.

E VIEW "C". REQUIRED FOR GANTRY TIE-DOWN
O COUNTERWEIGHTS INSTALLED.

E WIRE ROPE ANCHOR JOINT ASS'Y. MUST BE
MOVED WHEN USING MULTIPLE PARTS OF LINE.
ED TO REPLACE PENDANT PIN COTTER PIN
R PENDANT 27693B.

ANTITY AS REQUIRED.

E CHART FOR QUANTITY REQUIRED.

	SCALE		
	.19=1FT	Manitowoc Cranes, Inc.	
DR. JRS		Manitowoc, Wisconsin	BOOM RIGGING ASSEMBLY
CK. JRR	MODEL 180		
APP. JRS			

DATE	03-02-04
PATTERN NO.	
DWG. NO.	A10177

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