

DEMAG

110 Ton

Chart

110 Ton - Main Boom

AC 100 Capacities on Main Boom Telescopes pinned 85%
360°

Capacity (lb x 1000) = Load + Hook Block

Radius (ft)	Main Boom (ft)				Counterweight Outrigger Base				55100 lb 23'4" x 23'
	41.0	55.1	68.9	68.9	82.7	82.7	96.8	96.8	110.6
10	220.0*	-	-	-	-	-	-	-	-
10	187.1	-	-	-	-	-	-	-	-
11	178.6	171.4	163.9	119.8	-	-	-	-	-
13	163.3	156.9	151.3	111.2	117.2	103.5	-	-	-
15	150.2	144.6	139.3	103.6	110.3	97.1	-	-	-
16	144.0	139.3	134.0	100.1	106.9	94.2	92.5	66.3	-
19	127.5	125.0	120.1	91.4	97.9	86.0	88.0	64.9	76.1
23	107.8	108.0	105.2	81.5	87.4	77.3	80.6	59.0	68.0
26	93.7	93.9	92.7	75.2	81.0	71.6	75.5	54.8	63.0
29	82.4	82.8	81.5	69.9	75.2	66.0	71.1	51.1	58.5
33	-	70.7	69.6	63.9	67.0	59.7	65.7	46.7	53.1
39	-	56.4	54.9	56.4	53.7	52.2	53.8	41.7	46.4
46	-	-	42.0	44.6	42.4	45.3	43.3	36.7	40.5
52	-	-	34.5	37.0	34.8	37.8	36.7	33.5	34.8
59	-	-	-	-	28.2	31.1	30.0	30.2	29.1
65	-	-	-	-	24.0	26.8	25.5	27.8	24.9
72	-	-	-	-	-	-	21.7	23.9	20.8
79	-	-	-	-	-	-	18.4	20.6	17.7
85	-	-	-	-	-	-	16.2	18.4	15.3
92	-	-	-	-	-	-	-	-	12.9
98	-	-	-	-	-	-	-	-	11.3
UB:	-	72.7	68.3	72.7	68.3	72.7	68.3	65.7	62.2
HE:	14*/12	11	11	8	8	7	6	5	5
LK:	1	2	3	4	5	6	7	8	9
DS:	000001								
T1[%]	0	0	45	0	45	0	45	0	90
T2[%]	0	45	45	45	90	45	45	45	45
T3[%]	0	0	0	45	0	90	90	90	90
T4[%]	0	0	0	0	0	0	0	45	0

UB = maximum capacity (lb x 1000) for unpinned operating mode

HE = no. of hoist lines

LK = length code for sequence of extended boom

DS = selecting operating mode

T = extending length telescope

*over rear

110 Ton - Main Boom

AC 100 Capacities on Main Boom Telescopes pinned 85%
360°

Capacity (lb x 1000) = Load + Hook Block

Radius (ft)	Main Boom (ft)			Counterweight Outrigger Base					
	110.6	124.7	124.7	133.9	138.5	138.5	147.6	152.2	164.7
								55100 lb	23'4" x 23'
19	44.0	-	-	-	-	-	-	-	-
23	44.0	60.5	39.6	-	-	-	-	-	-
26	44.0	56.5	39.6	35.2	46.3	37.4	-	-	-
29	42.0	52.7	39.6	35.2	45.3	37.4	28.6	34.0	28.8
33	38.9	48.3	39.1	35.1	43.5	37.4	28.6	33.2	27.5
39	35.0	42.6	35.2	31.7	40.1	35.8	28.6	32.0	26.5
46	31.2	37.2	31.4	27.9	35.6	32.3	27.0	30.6	25.3
52	28.8	33.3	28.4	25.5	32.0	29.9	25.0	29.2	24.3
59	26.2	28.2	25.3	22.9	28.6	27.1	22.9	26.6	23.1
65	24.4	24.6	23.3	21.1	25.0	24.9	21.1	24.4	22.1
72	22.7	20.8	21.2	19.2	21.6	22.7	19.2	21.8	20.3
79	20.6	17.7	19.3	17.8	18.6	20.1	17.5	19.0	18.6
85	18.4	15.3	17.9	16.5	16.4	17.9	16.3	17.0	16.8
92	16.2	12.9	16.4	15.1	14.0	15.6	15.1	14.7	14.7
98	14.6	11.1	14.8	14.1	12.2	13.7	14.1	12.9	13.1
105	-	9.4	13.0	13.2	10.5	12.1	12.3	11.2	11.4
111	-	8.2	11.7	11.8	9.1	10.7	10.9	9.8	10.0
118	-	-	-	10.6	7.9	9.4	9.7	8.6	8.6
124	-	-	-	-	6.9	8.4	8.7	7.6	7.6
131	-	-	-	-	-	-	7.5	6.4	6.6
138	-	-	-	-	-	-	-	5.4	5.4
144	-	-	-	-	-	-	-	-	4.8
151	-	-	-	-	-	-	-	-	3.9
UB:	44.0	50.0	39.6	35.2	43.0	37.4	28.6	34.0	28.6
HE:	3	4	3	3	3	3	2	3	2
LK:	10	11	12	13	14	15	16	17	18
DS:	000001								
T1[%]	0	90	0	0	90	45	45	90	100
T2[%]	90	90	90	100	90	90	100	90	100
T3[%]	45	90	90	100	90	90	100	90	100
T4[%]	90	0	90	100	45	90	100	90	100

UB = maximum capacity (lb x 1000) for unpinned operating mode
 HE = no. of hoist lines
 LK = length code for sequence of extended boom
 DS = selecting operating mode
 T = extending length telescope

mannesmann
Dematic

110 Ton Chart - with 30.2' Jib

85%

AC 100 Capacities on Main Boom Extension

360°

Capacity (lb x 1000) = Load + Hook Block

Main Boom Extension 30.2 Counterweight 55100 lb
Outrigger Base 23'4" x 22'12"

Pos. 0°

Radius (ft)	Main Boom (ft)							
	124.7	124.7	133.9	138.5	138.5	147.6	152.2	164.7
23	31.7	-	-	-	-	-	-	-
26	31.3	25.9	23.9	-	-	-	-	-
29	30.3	24.4	22.7	25.9	24.4	22.2	-	-
33	28.8	22.6	21.3	24.8	22.8	20.8	22.6	-
39	27.0	20.4	19.3	23.6	20.8	19.0	20.8	18.5
46	24.8	18.2	17.4	22.0	18.7	17.1	19.1	17.4
52	23.0	16.6	15.9	20.6	17.3	15.9	17.9	16.6
59	21.3	15.2	14.5	19.1	15.8	14.5	16.5	15.6
65	19.9	14.2	13.5	17.9	14.8	13.7	15.5	14.8
72	18.3	13.0	12.5	16.5	13.6	12.8	14.3	13.9
79	16.9	12.3	11.6	15.3	12.7	11.8	13.4	13.2
85	15.7	11.7	11.0	14.3	12.1	11.2	12.6	12.5
92	13.6	10.7	10.3	13.2	11.4	10.7	11.8	11.8
98	11.8	10.3	9.7	12.4	10.8	10.1	11.2	11.0
105	10.1	9.6	9.2	10.5	10.1	9.6	10.5	10.3
111	8.7	9.2	8.8	9.3	9.7	9.2	9.7	9.5
118	7.5	8.6	8.3	7.9	9.0	8.8	8.4	8.1
124	6.5	8.2	7.9	6.9	8.2	8.2	7.3	7.1
131	5.3	7.9	7.5	5.7	7.0	7.0	6.2	6.2
138	4.3	7.2	7.0	4.8	6.1	6.1	5.2	5.2
144	-	-	6.4	4.2	5.3	5.3	4.6	4.4
151	-	-	-	3.5	4.6	4.6	3.7	3.7
157	-	-	-	-	-	4.0	3.1	3.1
164	-	-	-	-	-	-	2.6	2.4
170	-	-	-	-	-	-	-	2.0
HE:	2	2	2	2	2	2	2	2
LK:	11	12	13	14	15	16	17	18
DS:	000041							
T1[%]	90	0	0	90	45	45	90	100
T2[%]	90	90	100	90	90	100	90	100
T3[%]	90	90	100	90	90	100	90	100
T4[%]	0	90	100	45	90	100	90	100

HE = no. of hoist lines

LK = length code for sequence of extended boom

DS = selecting operating mode

T = extending length telescope