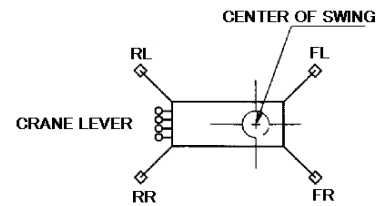


# MC-104C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 4500 mm  
 LIFTING LOAD 60 kg  
 STAGE 4  
 EXTENDED OUTRIGGERS MIN



$\theta$	FR	FL	RL	RR
0	155	155	451	451
5	133	178	383	519
10	113	202	315	583
15	97	224	249	643
20	86	244	187	696
25	81	260	130	742
30	82	272	80	779
35	90	279	38	805
40	106	281	4	822
45	129	277	(20)	827
50	160	267	(35)	821
55	198	252	(41)	803
60	243	231	(37)	775
65	294	205	(25)	738
70	350	176	(4)	691
75	409	144	23	637
80	471	110	55	576
85	534	76	92	511
90	596	42	132	443
95	656	10	172	373
100	713	(18)	213	305
105	764	(41)	251	238
110	809	(59)	286	176
115	847	(70)	317	119
120	875	(73)	342	68
125	894	(67)	360	26
130	903	(54)	371	(8)
135	901	(31)	374	(33)
140	889	1	370	(47)
145	866	41	358	(53)
150	834	89	339	(49)
155	792	144	313	(36)
160	742	205	281	(16)
165	685	271	245	12
170	621	340	206	45
175	554	412	164	83
180	483	483	123	123

<b>MAX (kg)</b>	<b>903</b>	<b>483</b>	<b>451</b>	<b>827</b>
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(k g)