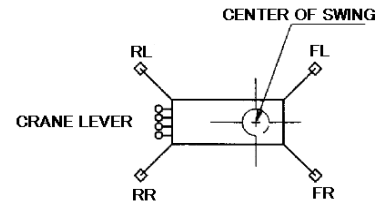


MC-104C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 5100 mm
 LIFTING LOAD 45 kg
 STAGE 4
 EXTENDED OUTRIGGERS MIN



θ	FR	FL	RL	RR
0	139	139	458	458
5	108	171	377	538
10	81	203	297	614
15	57	233	219	685
20	39	260	147	748
25	28	282	81	803
30	25	299	23	846
35	31	310	(25)	878
40	46	313	(63)	898
45	70	310	(90)	904
50	103	299	(105)	896
55	146	280	(108)	876
60	196	255	(101)	843
65	254	224	(83)	798
70	319	188	(56)	743
75	388	148	(20)	678
80	460	106	22	607
85	533	62	69	529
90	606	19	119	449
95	677	(21)	171	367
100	744	(58)	222	286
105	805	(89)	270	208
110	859	(114)	314	135
115	903	(131)	352	69
120	938	(138)	384	11
125	961	(136)	407	(38)
130	972	(123)	420	(76)
135	971	(99)	425	(103)
140	957	(65)	419	(118)
145	931	(21)	404	(121)
150	894	33	380	(113)
155	845	96	348	(95)
160	787	165	309	(67)
165	721	241	263	(31)
170	647	321	214	11
175	569	404	162	59
180	487	487	110	110

MAX (kg)	972	487	458	904
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(k g)