

# URW-A094CR

# POINT LOADINGS

**Calculation of reaction forces of  
the outriggers for model URW094C  
with fully extended outriggers**

**Working radius 1405mm  
Rated load 995kg  
Number of booms 1**



Angle	OR1	OR2	OR3	OR4
0	789	789	333	333
5	813	763	309	359
10	835	735	287	387
15	854	705	268	417
20	871	673	251	448
25	885	641	237	481
30	896	607	226	514
35	904	573	218	549
40	909	539	212	583
45	912	504	210	618
50	911	469	211	653
55	907	434	215	688
60	900	400	222	721
65	890	367	232	755
70	878	335	244	786
75	862	305	260	817
80	844	276	278	846
85	823	248	299	873
90	800	223	322	899
95	775	200	347	922
100	748	179	374	942
105	719	161	403	961
110	688	146	434	976
115	656	133	466	989
120	623	123	499	999
125	589	116	533	1005
130	554	113	567	1009
135	520	112	602	1010
140	485	114	637	1008
145	450	119	672	1003
150	416	127	706	994
155	382	139	739	983
160	350	153	772	969
165	319	169	803	953
170	289	189	833	933
175	261	210	861	911
180	235	235	887	887
Max	912	789	887	1010

All units in kg

# URW-A094CR

# POINT LOADINGS

**Calculation of reaction forces of  
the outriggers for model URW094C  
with fully extended outriggers**

**Working radius 2500mm  
Rated load 650kg  
Number of booms 1+2**



Angle	OR1	OR2	OR3	OR4
0	763	763	143	143
5	793	731	113	175
10	820	697	86	210
15	844	660	63	246
20	864	621	42	285
25	881	581	25	325
30	895	540	11	366
35	905	498	1	408
40	917	450	0	445
45	923	404	0	486
50	921	362	0	530
55	911	325	0	577
60	900	285	6	621
65	888	245	18	662
70	873	205	34	701
75	853	168	53	739
80	831	132	75	774
85	806	98	101	808
90	777	67	129	839
95	746	39	160	867
100	713	13	194	893
105	668	0	220	924
110	611	0	239	962
115	556	0	263	994
120	503	0	291	1018
125	453	0	325	1035
130	406	0	362	1044
135	362	0	404	1046
140	322	0	450	1041
145	286	0	499	1028
150	254	0	551	1008
155	226	0	606	980
160	203	0	663	946
165	185	0	722	905
170	148	25	758	882
175	113	52	793	855
180	81	81	825	825
<b>Max</b>	<b>923</b>	<b>763</b>	<b>825</b>	<b>1046</b>

All units in kg

# URW-A094CR POINT LOADINGS

**Calculation of reaction forces of  
the outriggers for model URW094C  
with fully extended outriggers**

**Working radius 2800mm  
Rated load 580kg  
Number of booms 1+2+3**



Angle	OR1	OR2	OR3	OR4
0	741	741	122	122
5	770	709	92	153
10	797	675	66	188
15	820	639	42	224
20	840	601	22	262
25	857	561	5	301
30	879	512	0	334
35	899	460	0	365
40	912	412	0	401
45	918	367	0	441
50	916	326	0	484
55	906	288	0	530
60	890	255	0	580
65	866	227	0	632
70	849	190	14	673
75	830	153	33	710
80	808	117	55	745
85	783	84	80	778
90	755	54	108	809
95	724	26	139	837
100	691	0	172	862
105	634	0	185	906
110	578	0	204	943
115	524	0	227	974
120	471	0	255	998
125	422	0	288	1015
130	375	0	326	1024
135	332	0	367	1026
140	292	0	412	1021
145	256	0	460	1008
150	225	0	512	988
155	198	0	566	961
160	175	0	623	927
165	158	0	681	886
170	133	12	729	851
175	99	38	763	824
180	67	67	795	795
<b>Max</b>	<b>918</b>	<b>741</b>	<b>795</b>	<b>1026</b>

All units in kg

# URW-A094CR

# POINT LOADINGS

**Calculation of reaction forces of  
the outriggers for model URW094C  
with fully extended outriggers**

**Working radius 2500mm**

**Rated load 660kg**

**Number of booms 1+2+3+4**



Angle	OR1	OR2	OR3	OR4
0	758	758	154	154
5	787	727	125	186
10	813	693	99	220
15	837	657	76	255
20	857	619	56	293
25	874	580	39	332
30	887	540	26	372
35	897	499	16	414
40	903	457	9	455
45	906	415	7	497
50	905	373	8	539
55	900	332	12	581
60	892	291	21	621
65	880	251	32	661
70	865	213	48	700
75	846	176	66	737
80	824	141	88	771
85	800	108	113	804
90	772	78	141	835
95	741	50	171	862
100	709	25	204	887
105	674	3	239	909
110	622	0	260	943
115	568	0	284	973
120	516	0	312	997
125	467	0	344	1014
130	421	0	381	1023
135	378	0	422	1025
140	339	0	466	1020
145	304	0	515	1007
150	272	0	566	987
155	245	0	619	960
160	223	0	675	927
165	193	13	720	899
170	157	36	756	876
175	123	63	789	850
180	91	91	821	821
Max	906	758	821	1025

All units in kg