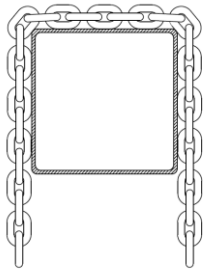


ALLOWABLE LIFTING LOAD – CHAIN LOOP IN RHS PROFILES



- Max allowable pull angle from vertical is 15° in any direction
- Yield strength for beam profile and plate is assumed to be 235 MPa
- Loads from other equipment is not accounted for; if other loads are significant, the beam must be checked separately
- All lifts above 2 tonnes must be approved by competent enterprise (allowable lifting loads above 2 tonnes are shown in red)

Revision: 01
Date: 17.12.2013

Allowable lifting load in kg

RHS PROFILE	BEAM SPAN (M)													
	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	8.0
RHS 40x40x2.5	252	127	85	63	51	42	36	32	28	25	23	21	18	16
RHS 50x50x2.5	411	208	139	104	83	69	59	52	46	42	38	35	30	26
RHS 60x60x3.0	704	357	239	179	144	120	103	90	80	72	65	60	51	45
RHS 80x80x3.0	1288	662	443	333	267	222	191	167	148	134	121	111	95	83
RHS 100x100x4.0	2610	1360	914	688	551	459	394	345	307	276	251	230	197	173
RHS 120x120x4.0	3753	1990	1342	1011	810	676	580	508	451	406	369	339	290	254
RHS 140x140x5.0	6174	3334	2258	1703	1366	1140	978	856	761	685	623	571	490	429
RHS 150x150x5.0	7049	3846	2611	1971	1581	1320	1133	992	882	794	722	662	567	497
RHS 160x160x5.0	7956	4388	2986	2256	1811	1512	1297	1136	1010	910	827	758	650	569
RHS 180x180x5.0	9872	5565	3807	2882	2315	1934	1660	1454	1293	1165	1059	971	833	729
RHS 200x200x5.0	11901	6863	4722	3582	2881	2408	2068	1812	1612	1451	1320	1210	1038	908
RHS 220x220x6.3	17357	10221	7072	5377	4330	3621	3110	2725	2425	2184	1986	1822	1562	1367
RHS 250x250x6.3	21503	13104	9158	6990	5639	4721	4058	3557	3166	2852	2594	2379	2041	1787
RHS 260x260x6.3	22920	14127	9907	7573	6113	5120	4402	3859	3435	3094	2815	2582	2215	1939
RHS 300x300x6.3	28696	18480	13148	10110	8185	6866	5909	5184	4617	4160	3786	3473	2980	2609
RHS 350x350x8.0	45216	30561	22141	17158	13946	11725	10105	8873	7906	7128	6489	5954	5110	4476
RHS 400x400x8.0	54663	38676	28571	22338	18240	15376	13273	11667	10404	9385	8547	7845	6736	5901