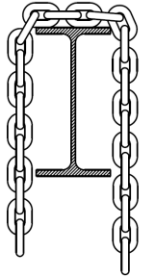


# ALLOWABLE LIFTING LOAD – CHAIN LOOP IN IPE PROFILES



- 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

Revision: 01  
Date: 17.12.2013

**Allowable lifting load in kg**

IPE 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
IPE 140	579	484	408	351	306	270	242	219	199	183	169	157	138	122
IPE 160	670	578	501	439	388	347	313	285	261	241	224	208	183	164
IPE 180	768	679	601	535	479	433	394	361	333	309	287	269	238	213
IPE 200	872	785	706	637	577	526	483	445	412	384	359	337	299	269
IPE 220	999	912	832	759	696	640	591	548	511	478	448	422	377	341
IPE 240	1132	1046	964	889	822	762	709	661	619	581	547	517	465	422
IPE 270	1200	1128	1058	992	930	874	822	775	733	693	658	625	568	520
IPE 300	1296	1232	1169	1109	1051	997	947	900	857	817	780	745	684	630
IPE 330	1493	1425	1358	1293	1231	1172	1117	1066	1017	972	930	891	821	760