



EUROPEAN WIDE FLANGE BEAMS: Dimensions and Properties

Designation	G	h	b	t _w	t _f	r	A	h _i	d	I _y	I _z	I _y	I _z	W _y	W _z	W _{ply}	W _{plz}	I _w	I _T
	kg/m	mm	mm	mm	mm	mm	cm ²	mm	mm	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm ³	cm ³	dm ⁶	cm ⁴
HE 550 AA	120	522	300	11.5	15.0	27	153	492	438	72870	6767	21.8	6.65	2792	451	3128	699	4.35	127
HE 550 A	166	540	300	12.5	24.0	27	212	492	438	111900	10820	23.0	7.15	4146	721	4622	1107	7.20	360
HE 550 B	199	550	300	15.0	29.0	27	254	492	438	136700	13080	23.2	7.17	4971	872	5591	1341	8.87	610
HE 550 M	278	572	306	21.0	40.0	27	354	492	438	198000	19160	23.6	7.35	6923	1252	7933	1937	13.60	1559
HE 600 AA	129	571	300	12.0	15.5	27	164	540	486	91870	6993	23.7	6.53	3218	466	3623	724	5.40	142
HE 600 x 137	137	575	300	11.8	17.5	27	175	540	486	101500	7893	24.1	6.70	2529	526	3952	814	6.13	177
HE 600 x 151	151	582	300	11.6	20.6	27	193	540	486	117100	9287	24.7	6.90	4024	619	4483	953	7.32	247
HE 600 x 174	174	588	300	13.6	23.9	27	223	540	486	136400	10780	24.7	7.00	4639	719	5202	1109	8.57	374
HE 600 A	178	590	300	13.0	25.0	27	226	540	486	141200	11270	25.0	7.05	4787	751	5350	1156	9.00	407
HE 600 B	212	600	300	15.5	30.0	27	270	540	486	171000	13530	25.2	7.08	5701	902	6425	1391	11.00	677
HE 600 M	285	620	305	21.0	40.0	27	364	540	486	237400	18980	25.6	7.22	7660	1244	8772	1930	16.00	1570
HE 650 AA	138	620	300	12.5	16.0	27	176	588	534	113900	7221	25.5	6.41	3676	481	4160	751	6.59	158
HE 650 A	190	640	300	13.5	26.0	27	242	588	534	175200	11720	26.9	6.97	5474	782	6136	1205	11.00	458
HE 650 B	225	650	300	16.0	31.0	27	286	588	534	210600	13980	27.1	6.99	6480	932	7320	1441	13.40	749
HE 650 M	293	668	305	21.0	40.0	27	374	588	534	281700	18980	27.5	7.13	8433	1245	9657	1936	18.70	1584
HE 700 AA	150	670	300	13.0	17.0	27	191	636	582	142700	7673	27.3	6.34	4260	512	4840	800	8.18	186
HE 700 x 166	166	678	300	12.5	21.0	27	212	636	582	168900	9471	28.2	6.69	4982	631	5598	978	10.20	274
HE 700 A	204	690	300	14.5	27.0	27	260	636	582	215300	12180	28.8	6.84	6241	812	7032	1257	13.40	522
HE 700 B	241	700	300	17.0	32.0	27	306	636	582	256900	14440	29.0	6.87	7340	963	8327	1495	16.10	839
HE 700 M	301	716	304	21.0	40.0	27	383	636	582	329300	18800	29.3	7.01	9198	1237	10540	1929	21.50	1595
HE 800 AA	172	770	300	14.0	18.0	30	218	734	674	208900	8134	30.9	6.10	5426	542	6225	857	11.50	243
HE 800 A	224	790	300	15.0	28.0	30	286	734	674	303400	12640	32.6	6.65	7682	843	8699	1312	18.30	609
HE 800 B	262	800	300	17.5	33.0	30	334	734	674	359100	14900	32.8	6.68	8977	994	10230	1553	21.90	959
HE 800 M	317	814	303	21.0	40.0	30	404	734	674	442600	18630	33.1	6.79	10870	1230	12490	1930	27.90	1657
HE 900 AA	198	870	300	15.0	20.0	30	252	830	770	301100	9041	34.6	5.99	6923	603	7999	958	16.30	322
HE 900 A	252	890	300	16.0	30.0	30	321	830	770	422100	13550	36.3	6.50	9485	903	10810	1414	25.00	749
HE 900 B	291	900	300	18.5	35.0	30	371	830	770	494100	15820	36.5	6.53	10980	1054	12580	1658	29.60	1150
HE 900 M	333	910	302	21.0	40.0	30	424	830	770	570400	18450	36.7	6.60	12540	1222	14440	1929	34.90	1683
HE 1000 AA	222	970	300	16.0	21.0	30	282	928	868	406500	9501	38.0	5.80	8380	633	9777	1016	21.40	387
HE 1000 A	272	990	300	16.5	31.0	30	347	928	868	553800	14000	40.0	6.35	11190	934	12820	1470	32.20	835
HE 1000 B	314	1000	300	19.0	36.0	30	400	928	868	644700	16280	40.1	6.38	12890	1085	14860	1716	37.80	1267
HE 1000 M	349	1008	302	21.0	40.0	30	444	928	868	722300	18460	40.3	6.45	14330	1222	16570	1940	43.20	1713