



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 280 AA	61.2	264	280	7.0	10.0	24	78	244	196	10560	3664	11.6	6.85	800	262	873	399	0.591	35.5
HE 280 A	76.4	270	280	8.0	13.0	24	97.3	244	196	13670	4763	11.9	7.00	1013	340	1112	518	0.786	63.5
HE 280 B	103	280	280	10.5	18.0	24	131	244	196	19270	6595	12.1	7.09	1376	471	1534	718	1.13	146
HE 280 M	189	310	288	18.5	33.0	24	240	244	196	39550	13160	12.8	7.40	2551	914	2966	1397	2.52	807
HE 300 AA	69.8	283	300	7.5	10.5	27	88.9	262	208	13800	4734	12.5	7.30	976	316	1065	482	0.879	47.8
HE 300 A	88.3	290	300	8.5	14.0	27	113	262	208	18260	6310	12.7	7.49	1260	421	1383	641	1.20	87.8
HE 300 B	117	300	300	11.0	19.0	27	149	262	208	25170	8563	13.0	7.58	1678	571	1869	870	1.69	189
HE 300 C	177	320	305	16.0	29.0	27	225	262	208	40950	13740	13.5	7.80	2559	901	2927	1374	2.91	604
HE 300 M	238	340	310	21.0	39.0	27	303	262	208	59200	19400	14.0	8.00	3482	1252	4078	1913	4.39	1411
HE 320 AA	74.2	301	300	8.0	11.0	27	94.6	279	225	16450	4959	13.2	7.24	1093	331	1196	506	1.04	53.6
HE 320 A	97.6	310	300	9.0	15.5	27	124	279	225	22930	6985	13.6	7.49	1479	466	1628	710	1.51	112
HE 320 B	127	320	300	11.5	20.5	27	161	279	225	30820	9239	13.8	7.57	1929	616	2149	939	2.07	230
HE 320 M	245	359	309	21.0	40.0	27	312	279	225	68130	19710	14.8	7.95	3796	1276	4435	1951	5.01	1506
HE 340 AA	78.9	320	300	8.5	11.5	27	101	297	243	19550	5185	13.9	7.18	1222	346	1341	529	1.23	60.0
HE 340 A	105	330	300	9.5	16.5	27	133	297	243	27690	7436	14.4	7.46	1678	496	1850	756	1.83	131
HE 340 B	134	340	300	12.0	21.5	27	171	297	243	36660	9690	14.6	7.53	2156	646	2408	986	2.46	263
HE 340 M	248	377	309	21.0	40.0	27	316	297	243	76370	19710	15.6	7.90	4052	1276	4718	1953	5.60	1512
HE 360 AA	83.7	339	300	9.0	12.0	27	107	315	261	23040	5410	14.7	7.12	1359	361	1495	553	1.45	67.1
HE 360 A	112	350	300	10.0	17.5	27	143	315	261	33090	7887	15.2	7.43	1891	526	2088	802	2.18	153
HE 360 B	142	360	300	12.5	22.5	27	181	315	261	43190	10140	15.5	7.49	2400	676	2683	1032	2.89	298
HE 360 M	250	395	308	21.0	40.0	27	319	315	261	84870	19520	16.3	7.83	4297	1268	4989	1942	6.15	1513
HE 400 AA	92.4	378	300	9.5	13.0	27	118	352	298	31250	5861	16.3	7.06	1654	391	1824	600	1.95	81.3
HE 400 x 107	107	384	297	10.0	16.0	27	136	352	298	37640	6998	16.6	7.20	1960	471	2165	721	2.37	126
HE 400 A	125	390	300	11.0	19.0	27	159	352	298	45070	8564	16.8	7.34	2311	571	2562	873	2.95	193
HE 400 B	155	400	300	13.5	24.0	27	198	352	298	57680	10820	17.1	7.40	2884	721	3232	1104	3.82	361
HE 400 M	256	432	307	21.0	40.0	27	326	352	298	104100	19340	17.9	7.70	4820	1260	5571	1934	7.43	1520
HE 450 AA	100	425	300	10.0	13.5	27	127	398	344	41890	6088	18.2	6.92	1971	406	2183	624	2.58	91.4
HE 450 x 123	123	435	300	10.2	18.5	27	158	398	344	55860	8338	18.8	7.27	2568	556	2836	850	3.62	178
HE 450 A	140	440	300	11.5	21.0	27	178	398	344	63720	9465	18.9	7.29	2896	631	3216	966	4.15	250
HE 450 B	171	450	300	14.0	26.0	27	218	398	344	79890	11720	19.1	7.33	3551	781	3982	1198	5.27	448
HE 450 M	263	478	307	21.0	40.0	27	335	398	344	131500	19340	19.8	7.59	5501	1260	6331	1939	9.28	1534
HE 500 AA	107	472	300	10.5	14.0	27	137	444	390	54640	6314	20.0	6.79	2315	421	2576	649	3.31	103
HE 500 A	155	490	300	12.0	23.0	27	198	444	390	86970	10370	21.0	7.24	3550	691	3949	1059	5.65	318
HE 500 B	187	500	300	14.5	28.0	27	239	444	390	107200	12620	21.2	7.27	4287	842	4815	1292	7.03	548
HE 500 M	270	524	306	21.0	40.0	27	344	444	390	161900	19150	21.7	7.46	6180	1252	7094	1932	11.2	1544