

HEA beam weight chart

Dimensions, weight per metre and second moments of area of European HEA wide flange beams, HEA 100 to HEA 1000.

Section	h (mm)	b (mm)	tw (mm)	tf (mm)	kg/m	lb/ft	A (cm ²)	Ix (cm ⁴)	Iy (cm ⁴)	Zx (cm ³)
HEA 100	96	100	5	8	16.67	11.20	21.24	349	134	72.75
HEA 120	114	120	5	8	19.89	13.37	25.34	606	231	106
HEA 140	133	140	5.5	8.5	24.66	16.57	31.42	1,033	389	155
HEA 160	152	160	6	9	30.44	20.45	38.77	1,673	615	220
HEA 180	171	180	6	9.5	35.52	23.87	45.25	2,510	925	294
HEA 200	190	200	6.5	10	42.26	28.40	53.83	3,692	1,335	389
HEA 220	210	220	7	11	50.51	33.94	64.34	5,409	1,954	515
HEA 240	230	240	7.5	12	60.32	40.53	76.84	7,763	2,768	675
HEA 260	250	260	7.5	12.5	68.15	45.79	86.82	10,454	3,667	836
HEA 280	270	280	8	13	76.35	51.30	97.26	13,672	4,762	1,013
HEA 300	290	300	8.5	14	88.33	59.36	112.53	18,262	6,308	1,259
HEA 320	310	300	9	15.5	97.63	65.60	124.37	22,927	6,984	1,479
HEA 340	330	300	9.5	16.5	104.78	70.41	133.47	27,692	7,434	1,678
HEA 360	350	300	10	17.5	112.06	75.30	142.76	33,088	7,885	1,891
HEA 400	390	300	11	19	124.80	83.86	158.98	45,068	8,562	2,311
HEA 450	440	300	11.5	21	139.75	93.91	178.03	63,720	9,464	2,896
HEA 500	490	300	12	23	155.07	104.20	197.54	86,973	10,366	3,550
HEA 550	540	300	12.5	24	166.23	111.70	211.76	111,931	10,817	4,146
HEA 600	590	300	13	25	177.77	119.46	226.46	141,207	11,270	4,787
HEA 650	640	300	13.5	26	189.69	127.47	241.64	175,177	11,722	5,474
HEA 700	690	300	14.5	27	204.48	137.40	260.48	215,300	12,177	6,241
HEA 800	790	300	15	28	224.37	150.77	285.83	303,440	12,636	7,682
HEA 900	890	300	16	30	251.61	169.07	320.53	422,073	13,545	9,485
HEA 1000	990	300	16.5	31	272.27	182.96	346.85	553,844	14,002	11,189

Dimensions from the structuralcodes library (Apache-2.0); masses and properties calculated. Nominal values for estimating; verify with the producer. steelweight-calculator.com