

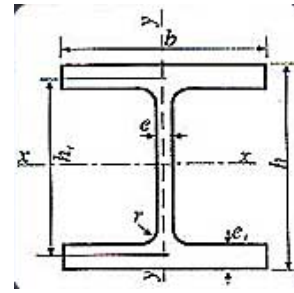
VIGAS HEM

Vigas europeas de alas anchas reforzadas

ASTM Designation A36

Tolerancias dimensionales E.N. 10024, 10034, 10056

Calidades del acero norma E.N. 10025 S 275JR



HEM	Dimensiones						Sección A cm ²	Peso P kg/m	Referido al eje x-x			Referido al eje y-y		
	h	b	e	e ₁	r	h ₁			I _x cm ⁴	W _x cm ³	I _x cm	I _y cm ⁴	W _y cm ³	I _y cm
100	120	106	12.0	20.0	12	56	53.2	41.8	1140	190	4.63	399	75.3	2.74
120	140	126	12.5	21.0	12	74	66.4	52.1	2020	288	5.51	703	112.0	3.25
140	160	146	13.4	22.0	12	92	80.6	63.2	3290	411	6.39	1140	157.0	3.77
160	180	166	14.0	23.0	15	104	97.1	76.2	5100	566	7.25	1760	212.0	4.26
180	200	186	14.5	24.0	15	122	113.4	88.9	7480	748	8.13	2580	277.0	4.77
200	220	206	15.0	25.0	18	134	131.0	103.0	10640	967	9.00	3650	354.0	5.27
220	240	226	15.5	26.0	18	152	149.0	117.0	14600	1220	8.89	5010	444.0	5.79
240	270	248	18.0	32.0	21	164	200.0	157.0	24290	1800	11.0	8450	657.0	6.39
260	290	268	18.0	32.5	24	177	220.0	172.0	31310	2160	11.9	10450	780.0	6.90
280	310	288	18.5	33.0	24	196	240.0	189.0	39550	2550	12.8	13160	914.0	7.40
300	340	310	21.0	39.0	27	208	303.0	238.0	59200	3480	14.0	19400	1250.0	8.00
320	356	309	21.0	40.0	27	225	312.0	245.0	68130	3800	14.8	19710	1280.0	7.95
340	377	309	21.0	40.0	27	243	316.0	248.0	76370	4050	15.6	19710	1280.0	7.90
360	395	308	21.0	40.0	27	261	319.0	250.0	84870	4300	16.3	19520	1270.0	7.80
400	432	307	21.0	40.0	27	298	326.0	256.0	104100	4820	17.9	19340	1260.0	7.70
450	478	307	21.0	40.0	27	344	335.0	263.0	131500	5500	19.8	19340	1260.0	7.59
500	524	306	21.0	40.0	27	390	344.0	270.0	161900	6180	21.7	19150	1250.0	7.46
550	572	306	21.0	40.0	27	438	354.0	278.0	198000	6920	23.6	19150	1250.0	7.35
600	620	305	21.0	40.0	27	486	364.0	285.0	237400	7660	25.6	18980	1240.0	7.22
650	668	305	21.0	40.0	27	534	374.0	293.0	281700	8433	27.5	18980	1245.0	7.13
700	716	304	21.0	40.0	27	582	383.0	301.0	329300	9198	29.3	18800	1237.0	7.01
800	814	303	21.0	40.0	30	674	404.0	317.0	442600	10870	33.1	18630	1230.0	6.79
900	910	302	21.0	40.0	30	770	424.0	333.0	570400	12540	36.7	18450	1222.0	6.60
1000	1008	302	21.0	40.0	30	868	444.0	349.0	722300	14330	40.3	18460	1222.0	6.45

A= Area de la sección

I= Momento de Inercia

W= Modulo Resistente

i= Radio de giro= $\sqrt{I/A}$