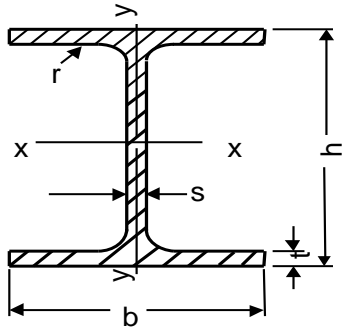




# VIGAS

## VIGAS HEA



### DIMENSIONES

h: Altura  
 b: Ancho del ala  
 s: Espesor del alma  
 t: Espesor del ala  
 r: Angulo

### MOMENTO RESPECTO A LOS EJES

I = Momento de Inercia.  
 S = Momento de Resistencia  
 R = Radio de Inercia, siempre referido al eje  
 De reflexión correspondiente.

Longitud de 12 metros

Calidad: ⇒ ASTM - A - 36.  
 ⇒ ST - 37 - 2.

HEA (I) IPBL	DIMENSIONES (mm)					AREA cm <sup>2</sup>	PESO kg/m	MOMENTO RESPECTO A LOS EJES					
	h	b	s	t	r			EJE X - X			EJE Y - Y		
								Ix cm <sup>4</sup>	Sx cm <sup>3</sup>	Rx cm	Iy cm <sup>4</sup>	Sy cm <sup>3</sup>	Ry cm
100	96	100	5.0	8.0	12	21.2	16.7	349	72.8	4.06	134	26.8	2.51
120	114	120	5.0	8.0	12	25.3	19.9	606	106.0	4.89	231	38.5	3.02
140	133	140	5.5	8.5	12	31.4	24.7	1030	155.0	5.73	389	55.6	3.52
160	152	160	6.0	9.0	15	38.8	30.4	1670	220.0	6.57	616	76.9	3.98
180	171	180	6.0	9.5	15	45.3	35.5	2510	294.0	7.45	925	103.0	4.52
200	190	200	6.5	10.0	18	53.8	42.3	3690	389.0	8.28	1340	134.0	4.98
220	210	220	7.0	11.0	18	64.3	50.5	5410	515.0	9.17	1950	178.0	5.51
240	230	240	7.5	12.0	21	76.8	60.3	7760	675.0	10.10	2770	231.0	6.00
260	250	260	7.5	12.5	24	86.8	68.2	10450	836.0	11.00	3670	282.0	6.50
280	270	280	8.0	13.0	24	97.3	76.4	13670	1010.0	11.90	4760	340.0	7.00
300	290	300	8.5	14.0	27	112.0	88.3	18260	1260.0	12.70	6310	421.0	7.49
320	310	300	9.0	15.5	27	124.0	97.6	22930	1480.0	13.60	6990	466.0	7.49
340	330	300	9.5	16.5	27	133.0	105.0	27690	1680.0	14.40	7440	496.0	7.46
360	350	300	10.0	17.5	27	143.0	112.0	33090	1890.0	15.20	7890	526.0	7.43
400	390	300	11.0	19.0	27	159.0	125.0	45070	2310.0	16.80	8560	571.0	7.34
450	440	300	11.5	21.0	27	178.0	140.0	63720	2900.0	18.90	9470	631.0	7.29
500	490	300	12.0	23.0	27	198.0	155.0	86970	3550.0	21.00	10370	691.0	7.24
550	540	300	12.5	24.0	27	212.0	166.0	111900	4150.0	23.00	10820	721.0	7.15
600	590	300	13.0	25.0	27	226.0	178.0	141200	4790.0	25.00	11270	751.0	7.05
650	640	300	13.5	26.0	27	242.0	190.0	175200	5470.0	26.90	11720	782.0	6.97
700	690	300	14.5	27.0	27	260.0	204.0	215300	6240.0	28.80	12180	812.0	6.84
800	790	300	15.0	28.0	30	286.0	224.0	303400	7680.0	32.60	12640	843.0	6.65
900	890	300	16.0	30.0	30	320.0	252.0	422100	9480.0	36.30	13550	903.0	6.50
1000	990	300	16.5	31.0	30	347.0	272.0	553800	11190.0	40.00	14000	934.0	6.35