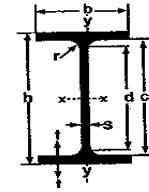


PERFIL H EUROPEO DE ALA ANCHA - HE

PERFILES - HEA- HEB



Dimensiones y Propiedades para el diseño

DESIGNACION	DIMENSIONES							AREA Cm ²	PESO Kg/mt	PROPIEDADES ELASTICAS						PLASTICO		CONS TORS Jt
	ALTURA		ALA		DISTANCIAS					EJE X-X			EJE Y-Y			PLASTICO		
	h	s	b	t	r	c	d			lx	Sx	rx	ly	Sy	ry	zx	zy	
HEA 100	96.00	5.00	100.00	8.00	12.00	80.00	56.00	21.20	16.70	349.00	72.80	4.06	134.00	26.80	2.51	83.00	41.10	5.24
HEB 100	100.00	6.00	100.00	10.00	12.00	80.00	56.00	26.00	20.40	450.00	89.90	4.16	167.00	33.50	2.53	104.00	51.40	9.25
HEA 120	114.00	5.00	120.00	8.00	12.00	98.00	74.00	25.30	19.90	606.00	106.00	4.89	231.00	38.50	3.02	119.00	58.90	5.99
HEA 120	120.00	6.50	120.00	11.00	12.00	98.00	74.00	34.00	26.70	864.00	144.00	5.04	318.00	52.90	3.06	165.00	81.00	13.80
HEA 140	133.00	5.50	140.00	8.50	12.00	116.00	92.00	31.40	24.70	1.033.00	155.00	5.73	389.00	55.60	3.52	173.00	84.80	8.13
HEB 140	140.00	7.00	140.00	12.00	12.00	116.00	92.00	43.00	33.70	1.509.00	216.00	5.93	550.00	78.50	3.58	245.00	120.00	20.10
HEA 160	152.00	6.00	160.00	9.00	15.00	134.00	104.00	38.80	30.40	1.673.00	220.00	6.57	616.00	76.90	3.98	245.00	117.00	12.20
HEB 160	160.00	8.00	160.00	13.00	15.00	134.00	104.00	54.30	42.60	2.492.00	311.00	6.78	889.00	111.00	4.05	354.00	170.00	31.20
HEA 180	171.00	6.00	180.00	9.50	15.00	152.00	122.00	45.30	35.50	2.510.00	294.00	7.45	925.00	103.00	4.52	325.00	156.00	14.80
HEB 180	180.00	8.50	180.00	14.00	15.00	152.00	122.00	65.30	51.20	3.831.00	426.00	7.66	1.363.00	151.00	4.57	481.00	231.00	42.20
HEA 200	190.00	6.50	200.00	10.00	18.00	170.00	134.00	53.80	42.30	3.692.00	389.00	8.28	1.336.00	134.00	4.96	429.00	204.00	21.00
HEB 200	200.00	9.00	200.00	15.00	18.00	170.00	134.00	78.10	61.30	2.696.00	570.00	8.54	2.003.00	200.00	5.07	643.00	306.00	59.30
HEA 220	210.00	7.00	220.00	11.00	18.00	188.00	152.00	64.30	50.50	5.410.00	515.00	9.17	1.955.00	178.00	5.51	568.00	271.00	28.50
HEB 220	220.00	9.50	220.00	16.00	18.00	188.00	152.00	91.00	71.50	8.091.00	736.00	9.43	2.843.00	256.00	5.59	827.00	394.00	76.60
HEA 240	230.00	7.50	240.00	12.00	21.00	206.00	164.00	76.80	60.30	7.763.00	675.00	10.10	2.769.00	231.00	6.00	745.00	352.00	41.60
HEB 240	240.00	10.00	240.00	17.00	21.00	206.00	164.00	106.00	83.20	11.260.00	938.00	10.30	3.923.00	327.00	6.08	1.053.00	498.00	103.00
HEA 260	250.00	7.50	260.00	12.50	24.00	225.00	177.00	86.80	68.20	10.450.00	836.00	11.00	3.668.00	282.00	6.50	920.00	430.00	52.40
HEB 260	260.00	10.00	260.00	17.50	24.00	225.00	177.00	118.00	93.00	14.920.00	1.148.00	11.20	5.135.00	395.00	6.58	1.283.00	602.00	124.00
HEA 280	270.00	8.00	280.00	13.00	24.00	244.00	196.00	97.30	76.40	13.670.00	1.013.00	11.90	4.763.00	340.00	7.00	1.112.00	518.00	62.10
HEB 280	280.00	10.50	280.00	18.00	24.00	244.00	196.00	131.00	103.00	19.270.00	1.376.00	12.10	6.595.00	471.00	7.09	1.534.00	718.00	144.00
HEA 300	290.00	8.50	300.00	14.00	27.00	262.00	208.00	113.00	88.30	18.260.00	1.260.00	12.70	6.310.00	421.00	7.49	1.383.00	641.00	85.20
HEB 300	300.00	11.00	300.00	19.00	27.00	262.00	208.00	149.00	117.00	25.170.00	1.678.00	13.00	8.563.00	571.00	7.58	1.869.00	870.00	185.00
HEA 320	310.00	9.00	300.00	15.50	27.00	279.00	225.00	124.00	97.60	22.930.00	1.479.00	13.60	6.985.00	466.00	7.49	1.628.00	710.00	108.00

HEB 320	320.00	11.50	300.00	20.50	27.00	279.00	225.00	161.00	127.00	30.820.00	1.926.00	13.80	9.239.00	616.00	7.57	2.149.00	939.00	225.00
HEA 340	330.00	9.50	300.00	16.50	27.00	297.00	243.00	133.00	105.00	27.690.00	1.678.00	14.40	7.436.00	496.00	7.46	1.850.00	756.00	127.00
HEB 340	340.00	12.00	300.00	21.50	27.00	297.00	243.00	171.00	134.00	36.660.00	2.156.00	14.60	9.690.00	646.00	7.53	2.408.00	986.00	257.00
HEA 360	350.00	10.00	300.00	17.50	27.00	315.00	261.00	143.00	112.00	33.090.00	1.891.00	15.20	7.887.00	526.00	7.43	2.088.00	802.00	149.00
HEB 360	360.00	12.50	300.00	22.50	27.00	315.00	261.00	181.00	142.00	43.190.00	2.400.00	15.50	10.140.00	676.00	7.49	2.663.00	1.032.00	292.00
HEA 400	390.00	11.00	300.00	19.00	27.00	352.00	298.00	159.00	125.00	45.070.00	2.311.00	16.80	8.564.00	571.00	7.34	2.562.00	873.00	189.00
HEB 400	400.00	13.50	300.00	24.00	27.00	352.00	298.00	198.00	155.00	57.680.00	2.884.00	17.10	18.820.00	721.00	7.40	3.232.00	1.104.00	356.00
HEB 450	440.00	11.50	300.00	21.00	27.00	398.00	344.00	179.00	140.00	63.720.00	2.893.00	18.90	9.465.00	631.00	7.29	3.216.00	966.60	244.00
HEB 450	450.00	14.00	300.00	26.00	27.00	398.00	344.00	218.00	171.00	79.890.00	3.551.00	19.10	11.720.00	781.00	7.33	3.982.00	1.198.00	440.00
HEA 500	490.00	12.00	300.00	23.00	27.00	444.00	390.00	198.00	155.00	86.970.00	3.550.00	21.00	10.370.00	691.00	7.24	3.949.00	1.059.00	308.00
HEB 500	500.00	14.50	300.00	28.00	27.00	444.00	390.00	239.00	187.00	107.200.00	4.287.00	21.20	12.620.00	842.00	7.27	4.815.00	1.292.00	538.00
HEA 550	540.00	12.50	300.00	24.00	27.00	492.00	438.00	212.00	166.00	111.900.00	4.146.00	23.00	10.820.00	721.00	7.15	4.622.00	1.107.00	352.00
HEB 550	550.00	15.00	300.00	29.00	27.00	492.00	438.00	254.00	199.00	136.700.00	4.971.00	23.20	13.080.00	872.00	7.17	5.591.00	1.341.00	600.00
HEA 600	590.00	13.00	300.00	25.00	27.00	540.00	486.00	226.00	178.00	141.200.00	4.787.00	25.00	11.270.00	751.00	7.05	5.350.00	1.156.00	398.00
HEB 600	600.00	15.50	300.00	30.00	27.00	540.00	486.00	270.00	212.00	171.000.00	5.701.00	25.20	13.530.00	902.00	7.08	6.425.00	1.391.00	667.00
HEA 650	640.00	13.50	300.00	26.00	27.00	588.00	534.00	242.00	190.00	175.200.00	5.474.00	26.90	11.720.00	782.00	6.97	6.136.00	1.205.00	448.00
HEB 650	650.00	16.00	300.00	31.00	27.00	588.00	534.00	286.00	225.00	210.600.00	6.480.00	27.10	13.980.00	932.00	6.99	7.320.00	1.441.00	739.00
HEA 700	690.00	14.50	300.00	27.00	27.00	636.00	582.00	260.00	204.00	215.300.00	6.241.00	28.80	12.180.00	812.00	6.84	7.032.00	1.257.00	514.00
HEB 700	700.00	17.00	300.00	32.00	27.00	636.00	582.00	306.00	241.00	256.900.00	7.340.00	29.00	14.440.00	963.00	6.87	8.327.00	1.495.00	831.00
HEA 800	790.00	15.00	300.00	28.00	30.00	734.00	674.00	286.00	224.00	303.400.00	7.682.00	32.60	12.640.00	843.00	6.65	8.699.00	1.312.00	597.00
HEB 800	800.00	17.50	300.00	33.00	30.00	734.00	674.00	334.00	262.00	359.100.00	8.977.00	32.80	14.900.00	994.00	6.68	10.230.00	1.553.00	946.00
HEA 900	890.00	16.00	300.00	30.00	30.00	830.00	770.00	321.00	252.00	422.100.00	9.485.00	36.30	13.550.00	903.00	6.50	10.810.00	1.414.00	737.00
HEB 900	900.00	18.50	300.00	35.00	30.00	830.00	770.00	371.00	291.00	494.100.00	10.980.00	40.00	14.000.00	1.054.00	6.53	12.80.00	1.658.00	1.137.00
HEA 1000	990.00	16.50	300.00	31.00	30.00	928.00	868.00	347.00	272.00	553.800.00	11.190.00	40.00	14.000.00	934.00	6.35	12.820.00	1.470.00	822.00
HEB 1000	1.000.00	19.00	300.00	36.00	30.00	928.00	868.00	400.00	314.00	644.700.00	12.890.00	40.10	16.280.00	1.085.00	6.38	14.860.00	1.716.00	1.254.00
HEA 1100	1.090.00	18.00	300.00	31.00	20.00	1.028.00	988.00	374.00	294.00	693.500.00	12.720.00	43.00	14.010.00	934.00	6.12	14.780.00	1.483.00	839.00
HEB 1100	1.100.00	20.00	300.00	36.00	20.00	1.028.00	988.00	425.00	334.00	801.500.00	14.570.00	43.40	16.280.00	1.085.00	6.19	16.950.00	1.728.00	1.253.00