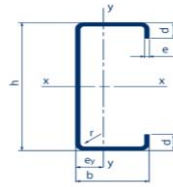


PERFIL C

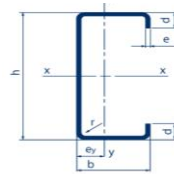
Medidas y características geométricas



DESIGNACIÓN DE PERFIL	ALTURA (alma)	ALA (rama)	ALA RIG. (rigidizador)	ESPESOR	RADIO DE ACUERDO	AREA NOMINAL DE LA SECCIÓN	MASA NOMINAL	DISTANCIAS AL CENTRO DE GRAVEDAD (l)		MOMENTOS DE INERCIA (I)		MODULOS RESISTENTES (W)		RADIOS DE GIRO (i)	
	h mm	b mm	d mm	e mm	r mm	S Cm ²	G Kg/m	ey Cm	ey' Cm	I _x Cm ⁴	I _y Cm ⁴	W _x Cm ³	W _y Cm ³	i _x Cm	i _y Cm
80x40x15 x 1.60	80	40	15	1.60	1.60	2.87	2.25	1.31		29.03	6.73	7.26	2.66	3.18	1.53
80x40x15 x 1.80	80	40	15	1.80	1.80	3.21	2.52	1.28		32.21	7.43	8.05	2.93	3.17	1.52
80x40x15 x 2.00	80	40	15	2.00	2.00	3.54	2.78	1.26		35.25	8.07	8.81	3.18	3.16	1.51
80x50x15 x 1.60	80	50	15	1.60	1.60	3.19	2.51	1.73		33.95	11.46	8.49	3.69	3.26	1.89
80x50x15 x 2.00	80	50	15	2.00	2.00	3.94	3.09	1.69		41.33	13.82	10.33	4.44	3.24	1.87
80x50x20 x 1.60	80	50	20	1.60	1.60	3.35	2.63	1.88		34.76	12.85	8.69	4.34	3.22	1.96
80x50x20 x 2.00	80	50	20	2.00	2.00	4.14	3.25	1.84		42.35	15.54	10.59	5.24	3.20	1.94
100x40x15 x 1.60	100	40	15	1.60	1.60	3.19	2.51	1.17		48.97	7.30	9.79	2.73	3.92	1.51
100x40x15 x 2.00	100	40	15	2.00	2.00	3.94	3.09	1.12		59.66	8.76	11.93	3.27	3.89	1.49
100x45x10 x 1.60	100	45	10	1.60	1.60	3.19	2.51	1.22		50.59	8.25	10.12	2.52	3.98	1.61
100x45x10 x 2.00	100	45	10	2.00	2.00	3.94	3.09	1.18		61.65	9.89	12.33	3.47	3.96	1.58
100x45x15 x 1.60	100	45	15	1.60	1.60	3.35	2.63	1.36		52.85	9.66	10.57	3.08	3.97	1.70
100x45x15 x 2.00	100	45	15	2.00	2.00	4.14	3.25	1.32		64.46	11.63	12.89	3.66	3.95	1.68
100x50x15 x 1.60	100	50	15	1.60	1.60	3.51	2.76	1.57		56.70	12.41	11.34	3.79	4.02	1.88
100x50x15 x 1.80	100	50	15	1.80	1.80	3.93	3.08	1.55		63.07	13.74	12.61	4.20	4.01	1.87
100x50x15 x 2.00	100	50	15	2.00	2.00	4.34	3.40	1.53		69.23	14.98	13.85	4.57	4.00	1.86
100x50x15 x 2.50	100	50	15	2.50	2.50	5.34	4.19	1.47		83.99	17.90	16.80	5.46	3.97	1.83
100x50x20 x 1.60	100	50	20	1.60	1.60	3.67	2.88	1.71		58.39	13.97	11.68	4.46	3.99	1.95
100x50x20 x 2.00	100	50	20	2.00	2.00	4.54	3.56	1.67		71.35	16.91	14.27	5.39	3.97	1.93
100x50x20 x 2.50	100	50	20	2.50	2.50	5.59	4.39	1.61		86.64	20.28	17.33	6.46	3.94	1.90
100x50x20 x 3.20	100	50	20	3.20	3.20	7.01	5.50	1.54		106.53	24.54	21.31	7.81	3.90	1.87
120x50x15 x 1.60	120	50	15	1.60	1.60	3.83	3.01	1.43		86.48	13.21	14.41	3.87	4.75	1.86
120x50x15 x 1.80	120	50	15	1.80	1.80	4.29	3.37	1.41		96.28	14.62	16.05	4.29	4.74	1.85
120x50x15 x 2.00	120	50	15	2.00	2.00	4.74	3.72	1.39		105.80	15.95	17.63	4.67	4.73	1.83
120x50x15 x 2.50	120	50	15	2.50	2.50	5.84	4.58	1.39		128.78	19.11	21.46	5.60	4.70	1.81
120x50x15 x 3.20	120	50	15	3.20	3.20	7.33	5.75	1.26		158.61	22.98	26.44	6.72	4.65	1.77
120x50x20 x 1.60	120	50	20	1.60	1.60	3.99	3.13	1.56		89.37	14.91	14.89	4.55	4.73	1.93
120x50x20 x 2.00	120	50	20	2.00	2.00	4.94	3.88	1.52		109.42	18.05	18.24	5.51	4.71	1.91
120x50x20 x 2.50	120	50	20	2.50	2.50	6.09	4.78	1.47		133.22	21.66	22.20	6.60	4.68	1.89
120x50x20 x 3.20	120	50	20	3.20	3.20	7.65	6.00	1.40		164.23	26.15	27.37	7.96	4.63	1.85
120x60x20 x 1,80	120	60	20	1.80	1.80	4.83	3.79	1.95		112.11	25.41	18.69	6.57	4.82	2.29
120x60x20 x 2.00	120	60	20	2.00	2.00	5.34	4.19	1.93		123.39	27.84	20.56	7.19	4.81	2.28
120x60x20 x 3,20	120	60	20	3.20	3.20	8.29	6.51	1.80		186.23	40.90	31.04	10.55	4.74	2.22
140x50x10x1,60	140	50	10	1.60	1.60	3.99	3.13	1.18		118.65	11.92	16.95	3.25	5.45	1.73
140x50x10x2,00	140	50	10	2.00	2.00	4.94	3.88	1.13		145.28	14.34	20.75	3.91	5.42	1.72
140x50x10x2,50	140	50	10	2.50	2.50	6.09	4.78	1.08		176.91	17.08	25.27	4.65	5.39	1.67
140x50x15x 1.60	140	50	15	1.60	1.60	4.15	3.26	1.31		123.94	13.90	17.71	3.94	5.46	1.83
140x50x15x 2,00	140	50	15	2.00	2.00	5.14	4.03	1.27		151.85	16.76	21.69	4.75	5.44	1.81
140x50x15x2,50	140	50	15	2.50	2.50	6.34	4.98	1.22		185.18	20.09	26.45	5.69	5.40	1.78
140x50x20 x 1.60	140	50	20	1.60	1.60	4.31	3.38	1.44		128.36	15.73	18.34	4.63	5.46	1.91
140x50x20 x 2.00	140	50	20	2.00	2.00	5.34	4.19	1.40		157.36	19.03	22.48	5.60	5.43	1.89
140x50x20 x 2.50	140	50	20	2.50	2.50	6.59	5.17	1.35		191.98	22.84	27.43	6.71	5.40	1.86
140x50x20 x 3.20	140	50	20	3.20	3.20	8.93	6.51	1.27		267.31	43.08	38.19	10.72	5.47	2.20
140x60x15 x 2.00	140	60	15	2.00	2.00	5.54	4.35	1.65		170.89	26.18	24.41	6.30	5.56	2.17
140x60x20 x 1.60	140	60	20	1.60	1.60	4.63	3.64	1.83		143.65	24.14	20.52	6.02	5.57	2.28
140x60x20 x 1,80	140	60	20	1.80	1.80	5.19	4.07	1.81		160.22	26.80	22.89	6.68	5.56	2.27
140x60x20 x 2.00	140	60	20	2.00	2.00	5.74	4.50	1.79		176.41	29.35	25.20	7.32	5.55	2.26
140x60x20 x 2.50	140	60	20	2.50	2.50	7.09	5.56	1.74		215.62	35.41	30.80	8.82	5.52	2.23
140x60x20 x 3.20	140	60	20	3.20	3.20	8.93	7.01	1.66		267.31	43.08	38.19	10.72	5.47	2.20
150x100x30 x 3,20	150	100	30	3.20	3.20	12.45	9.77	3.56		468.75	179.17	62.50	29.28	6.14	3.79
150x100x30 x 4,75	150	100	30	4.75	4.75	17.99	14.12	3.39		660.06	248.07	88.01	40.46	6.06	3.71
150x100x40x3,20	150	100	40	3.20	3.20	13.09	10.27	3.85		479.05	200.80	63.87	34.45	6.05	3.92
150x100x40x4,75	150	100	40	4.75	4.75	18.94	14.87	3.69		675.34	279.44	90.05	47.88	5.97	3.84

PERFIL C

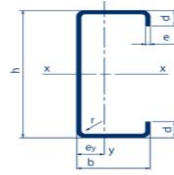
Medidas y características geométricas



DESIGNACIÓN DE PERFIL	ALTURA (alma)	ALA (rama)	ALA RIG. (rigidizador)	ESPESOR	RADIO DE ACUERDO	ÁREA NOMINAL DE LA SECCIÓN	MASA NOMINAL	DISTANCIAS AL CENTRO DE GRAVEDAD (1)	MOMENTOS DE INERCIA (1)		MÓDULOS RESISTENTES (1)		RADIOS DE GIRO (1)	
	h mm	b mm	d mm	e mm	r mm	S Cm ²	G Kg/m	e _y Cm	I _x Cm ⁴	I _y Cm ⁴	W _x Cm ³	W _y Cm ³	i _x Cm	i _y Cm
160x50x15 x 2,00	160	50	15	2.00	2.00	5.54	4.35	1.17	208.23	17.49	26.03	4.82	6.13	1.78
160x50x20x 2,00	160	50	20	2.00	2.00	5.74	4.50	1.30	216.04	19.89	27.01	5.68	6.14	1.86
160x60x15x1,60	160	60	15	1.60	1.60	4.79	3.76	1.57	189.76	22.53	23.72	5.28	6.29	2.17
160x60x15x2,00	160	60	15	2.00	2.00	5.94	4.66	1.53	233.19	27.35	29.15	6.49	6.27	2.15
160x60x20 x 1.60	160	60	20	1.60	1.60	4.95	3.89	1.71	195.98	25.23	24.50	6.11	6.29	2.26
160x60x20 x 2.00	160	60	20	2.00	2.00	6.14	4.82	1.67	240.95	30.68	30.12	7.42	6.27	2.24
160x60x20 x 2.50	160	60	20	2.50	2.50	7.59	5.96	1.61	294.93	37.03	36.87	8.95	6.23	2.21
160x60x20 x 3.20	160	60	20	3.20	3.20	9.57	7.51	1.54	366.41	45.06	45.80	10.89	6.19	2.17
160x60x25x1,60	160	60	25	1.60	1.60	5.11	4.01	1.83	201.31	27.79	25.16	6.94	6.28	2.33
160x60x25x2,50	160	60	25	2.50	2.50	7.84	6.15	1.74	303.32	40.98	37.91	10.22	6.22	2.29
160x60x25 x 3.20	160	60	25	3.20	3.20	9.89	7.76	1.67	376.99	49.97	47.12	12.46	6.18	2.25
160x60x25x4,75	160	60	25	4.75	4.75	14.19	11.14	1.51	524.40	66.91	65.55	16.66	6.08	2.17
180x60x20 x 2.00	180	60	20	2.00	2.00	6.54	5.13	1.56	317.83	31.88	35.31	7.52	6.97	2.21
180x60x20 x 2.50	180	60	20	2.50	2.50	8.09	6.35	1.51	389.55	38.50	43.28	9.07	6.94	2.18
180x60x20 x 3.20	180	60	20	3.20	3.20	10.21	8.01	1.43	484.89	46.92	53.88	11.05	6.89	2.14
180x70x15x1,60	180	70	15	1.60	1.60	5.43	4.26	1.83	275.30	34.06	30.59	6.80	7.12	2.50
180x70x15x2,00	180	70	15	2.00	2.00	6.74	5.29	1.79	339.00	41.47	37.67	8.27	7.09	2.48
180x70x20 x 2.00	180	70	20	2.00	2.00	6.94	5.45	1.93	349.45	46.13	38.83	9.47	7.10	2.58
180x70x20 x 2.50	180	70	20	2.50	2.50	8.59	6.74	1.87	428.81	55.89	47.65	11.46	7.07	2.55
180x70x20 x 3.20	180	70	20	3.20	3.20	10.85	8.51	1.80	534.65	68.42	59.41	14.02	7.02	2.51
180x70x25 x 2.00	180	70	25	2.00	2.00	7.14	5.60	2.06	358.56	50.56	39.84	10.67	7.09	2.66
180x70x25 x 2.50	180	70	25	2.50	2.50	8.84	6.94	2.01	440.20	61.37	48.91	12.95	7.06	2.64
180x70x25 x 3.20	180	70	25	3.20	3.20	11.17	8.77	1.94	549.24	75.35	61.03	15.88	7.01	2.60
180x70x25 x 4,75	180	70	25	4.75	4.75	19.09	12.63	1.77	770.02	102.05	85.56	21.48	6.92	2.52
200x60x20 x 2.00	200	60	20	2.00	2.00	6.94	5.45	1.46	407.73	32.92	40.77	7.59	7.67	2.18
200x60x20 x 2.50	200	60	20	2.50	2.50	8.59	6.74	1.40	500.24	39.76	50.02	9.16	7.63	2.15
200x60x20 x 3.20	200	60	20	3.20	3.20	10.85	8.51	1.34	623.57	48.45	62.36	11.16	7.58	2.11
200x70x25 x 2.00	200	70	25	2.00	2.00	7.54	5.92	1.95	458.87	52.33	45.89	10.78	7.80	2.63
200x70x25 x 2.50	200	70	25	2.50	2.50	9.34	7.33	1.89	563.87	63.53	56.39	13.08	7.77	2.61
200x70x25 x 3.20	200	70	25	3.20	3.20	11.81	9.27	1.82	704.48	78.01	70.45	16.06	7.72	2.57
200x80x15x1,60	200	80	15	1.60	1.60	6.07	4.77	2.08	383.12	48.87	38.31	8.49	7.94	2.84
200x80x15x2,00	200	80	15	2.00	2.00	7.54	5.92	2.04	472.52	59.67	47.25	10.36	7.92	2.81
200x80x20x2,00	200	80	20	2.00	2.00	7.74	6.07	2.19	486.14	65.91	48.61	11.74	7.93	2.92
200x80x20x2,50	200	80	20	2.50	2.50	9.59	7.53	2.13	597.76	80.13	59.78	14.27	7.90	2.89
200x80x20x3,20	200	80	20	3.20	3.20	12.13	9.52	2.06	747.52	98.61	74.75	17.54	7.85	2.85
200x80x25 x 2.00	200	80	25	2.00	2.00	7.94	6.23	2.33	498.07	71.80	49.81	13.12	7.92	3.01
200x80x25 x 2.50	200	80	25	2.50	2.50	9.84	7.72	2.27	612.63	87.41	61.26	15.96	7.89	2.98
200x80x25 x 3.20	200	80	25	3.20	3.20	12.45	9.77	2.20	766.45	107.76	76.64	19.66	7.85	2.94
200x80x25 x 4,75	200	80	25	4.75	4.75	17.99	14.12	2.03	1081.12	147.25	108.11	26.82	7.75	2.86
200x100x25x3,20	200	100	25	3.20	3.20	13.73	10.78	2.99	890.69	185.46	89.07	27.71	8.06	3.68
200x100x25x4,75	200	100	25	4.75	4.75	19.89	15.61	2.82	1262.24	256.36	126.22	38.23	7.97	3.59
200x100x30x4,75	200	100	30	4.75	4.75	20.37	15.99	2.97	1287.22	275.78	128.72	42.07	7.95	3.68
220x60x20 x 2.00	220	60	20	2.00	2.00	7.34	5.76	1.38	511.50	33.84	46.50	7.65	8.35	2.15
220x60x20 x 2.50	220	60	20	2.50	2.50	9.09	7.13	1.33	628.10	40.87	57.10	9.24	8.31	2.12
220x60x20 x 3.20	220	60	20	3.20	3.20	11.49	9.02	1.26	783.94	49.82	71.27	11.26	8.26	2.08
220x70x25 x 2.00	220	70	25	2.00	2.00	7.94	6.23	1.84	574.34	53.95	52.21	10.89	8.51	2.61
220x70x25 x 2.50	220	70	25	2.50	2.50	9.84	7.72	1.79	706.38	65.54	64.22	13.22	8.47	2.58
220x70x25 x 3.20	220	70	25	3.20	3.20	12.45	9.77	1.72	883.65	80.54	80.33	16.24	8.43	2.54
220x80x25 x 2.00	220	80	25	2.00	2.00	8.34	6.54	2.21	621.77	74.04	56.52	13.24	8.64	2.98
220x80x25 x 2.50	220	80	25	2.50	2.50	10.34	8.12	2.16	765.36	90.14	69.58	16.12	8.60	2.95
220x80x25 x 3.20	220	80	25	3.20	3.20	13.09	10.27	2.08	958.53	111.14	87.14	19.86	8.56	2.91
220x80x25 x 4,75	220	80	25	4.75	4.75	18.94	14.87	1.92	1355.24	151.93	123.20	27.11	8.46	2.83
220x90x25 x 2.00	220	90	25	2.00	2.00	8.74	6.86	2.59	669.39	98.10	60.85	15.79	8.75	3.35
220x90x25 x 2.50	220	90	25	2.50	2.50	10.84	8.51	2.53	824.66	119.74	74.97	19.26	8.72	3.32
220x90x25 x 3.20	220	90	25	3.20	3.20	13.73	10.78	2.46	1034.07	148.17	94.01	23.82	8.68	3.29

PERFIL C

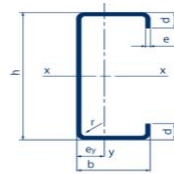
Medidas y características geométricas



DESIGNACIÓN DE PERFIL	ALTURA (alma)	ALA (rama)	ALA RIG. (rigidizador)	ESPESOR	RADIO DE ACUERDO	ÁREA NOMINAL DE LA SECCIÓN	MASA NOMINAL	DISTANCIAS AL CENTRO DE GRAVEDAD (l)		MOMENTOS DE INERCIA (I)		MÓDULOS RESISTENTES (W)		RADIOS DE GIRO (i)	
	h mm	b mm	d mm	e mm	r mm	S Cm ²	G Kg/m	e _y Cm	I _x Cm ⁴	I _y Cm ⁴	W _x Cm ³	W _y Cm ³	i _x Cm	i _y Cm	
240x80x20 x 2,00	240	80	20	2.00	2.00	8.54	6.70	1.97	743.13	69.66	61.93	11.95	9.33	2.86	
240x80x20 x 2,50	240	80	20	2.50	2.50	10.59	8.31	1.92	914.98	84.68	76.25	14.53	9.30	2.83	
240x80x20 x 3,20	240	80	20	3.20	3.20	13.41	10.52	1.85	1146.37	104.16	95.53	17.86	9.25	2.79	
240x80x25 x 2,00	240	80	25	2.00	2.00	8.74	6.86	2.10	762.25	76.11	63.52	13.36	9.34	2.95	
240x80x25 x 2,50	240	80	25	2.50	2.50	10.84	8.51	2.05	938.94	92.71	78.24	16.27	9.31	2.92	
240x80x25 x 3,20	240	80	25	3.20	3.20	13.73	10.78	1.98	1177.15	114.38	98.10	20.06	9.26	2.89	
240x80x25 x 4,75	240	80	25	4.75	4.75	19.89	15.61	1.82	1667.25	156.16	138.94	27.36	9.16	2.80	
240x80x30 x 2,50	240	80	30	2.50	2.50	11.09	8.70	2.18	960.33	100.30	80.03	18.00	9.31	3.01	
240x80x30 x 3,20	240	80	30	3.20	3.20	14.05	11.03	2.11	1204.54	123.98	100.38	22.24	9.26	2.97	
240x90x25 x 2,00	240	90	25	2.00	2.00	9.14	7.17	2.47	818.89	100.86	68.24	15.93	9.47	3.32	
240x90x25 x 2,50	240	90	25	2.50	2.50	11.34	8.90	2.42	1009.45	123.12	84.12	19.44	9.44	3.30	
240x90x25 x 3,20	240	90	25	3.20	3.20	14.37	11.28	2.34	1266.88	152.37	105.57	24.05	9.39	3.26	
240x90x30 x 2,50	240	90	30	2.50	2.50	11.59	9.10	2.55	1030.84	132.55	85.90	21.38	9.43	3.38	
240x90x30 x 3,20	240	90	30	3.20	3.20	14.69	11.53	2.48	1294.26	164.32	107.86	26.49	9.39	3.34	
240x100x25 x 2,00	240	100	25	2.00	2.00	9.54	7.49	2.85	875.54	129.88	72.96	18.68	9.58	3.69	
240x100x25 x 2,50	240	100	25	2.50	2.50	11.84	9.29	2.79	1079.96	158.82	90.00	22.83	9.55	3.66	
240x100x25 x 3,20	240	100	25	3.20	3.20	15.01	11.78	2.72	1356.60	197.07	113.05	28.31	9.51	3.62	
260x80x15x 1,60	260	80	15	1.60	1.60	7.03	5.52	1.79	705.62	52.76	54.28	8.72	10.02	2.74	
260x80x15x 2,00	260	80	15	2.00	2.00	8.74	6.86	1.75	871.67	64.42	67.05	10.64	9.99	2.72	
260x80x20x 1,60	260	80	20	1.60	1.60	7.19	5.65	1.92	725.87	58.34	55.84	9.86	10.05	2.85	
260x80x20 x 2,00	260	80	20	2.00	2.00	8.94	7.02	1.88	896.88	71.30	68.99	12.04	10.02	2.82	
260x80x20 x 2,50	260	80	20	2.50	2.50	11.09	8.70	1.83	1104.94	86.68	85.00	14.64	9.98	2.80	
260x80x20 x 3,20	260	80	20	3.20	3.20	14.05	11.03	1.76	1385.52	106.62	106.58	18.00	9.93	2.76	
260x80x20x 4,75	260	80	20	4.75	4.75	20.37	15.99	1.59	1964.13	144.96	151.09	24.44	9.82	2.67	
260x80x40x 2,50	260	80	40	2.50	2.50	12.09	9.49	2.31	1205.47	117.59	92.73	21.61	9.99	3.12	
260x80x40x3,20	260	80	40	3.20	3.20	15.33	12.03	2.24	1514.34	145.78	116.49	26.78	9.94	3.08	
260x80x40x 4,75	260	80	40	4.75	4.75	22.27	17.48	2.08	2154.77	201.32	165.75	36.97	9.84	3.01	
260x90x25 x 2,00	260	90	25	2.00	2.00	9.54	7.49	2.36	986.67	103.39	75.90	16.06	10.17	3.29	
260x90x25 x 2,50	260	90	25	2.50	2.50	11.84	9.29	2.31	1216.92	126.22	93.61	19.60	10.14	3.27	
260x90x25 x 3,20	260	90	25	3.20	3.20	15.13	11.88	2.31	1549.52	164.84	119.19	25.08	10.12	3.30	
260x100x25 x 2,00	260	100	25	2.00	2.00	9.94	7.80	2.73	1053.24	133.22	81.02	18.84	10.30	3.66	
260x100x25 x 2,50	260	100	25	2.50	2.50	12.34	9.69	2.68	1299.80	162.91	99.98	23.03	10.26	3.63	
260x100x25 x 3,20	260	100	25	3.20	3.20	15.65	12.28	2.60	1633.94	202.16	125.69	28.56	10.22	3.59	
260x100x30 x 2,50	260	100	30	2.50	2.50	12.59	9.88	2.81	1326.07	174.75	102.01	25.19	10.26	3.73	
260x100x30 x 3,20	260	100	30	3.20	3.20	15.97	12.53	2.74	1667.56	217.17	128.27	31.29	10.22	3.69	
280x80x20 x 2,00	280	80	20	2.00	2.00	9.34	7.33	1.80	1068.62	72.85	76.33	12.13	10.70	2.79	
280x80x20 x 2,50	280	80	20	2.50	2.50	11.59	9.10	1.74	1317.29	88.59	94.09	14.75	10.66	2.76	
280x80x20 x 3,20	280	80	20	3.20	3.20	14.69	11.53	1.67	1653.19	109.04	118.08	18.15	10.61	2.72	
280x90x25 x 2,00	280	90	25	2.00	2.00	9.94	7.80	2.26	1173.52	105.72	83.82	16.17	10.87	2.26	
280x90x25 x 2,50	280	90	25	2.50	2.50	12.34	9.69	2.21	1448.07	129.06	103.43	19.74	10.83	3.23	
280x90x25 x 3,20	280	90	25	3.20	3.20	15.65	12.28	2.14	1819.97	159.75	130.00	24.42	10.79	3.20	
280x100x25 x 2,00	280	100	25	2.00	2.00	10.34	8.11	2.62	1250.81	136.29	89.34	18.98	11.00	3.63	
280x100x25 x 2,50	280	100	25	2.50	2.50	12.84	10.08	2.57	1544.33	166.69	110.31	23.20	10.97	3.60	
280x100x25 x 3,20	280	100	25	3.20	3.20	16.29	12.79	2.49	1942.57	206.85	138.75	28.78	10.92	3.56	
300x80x20 x 2,00	300	80	20	2.00	2.00	9.74	7.64	1.72	1258.80	74.18	83.92	12.20	11.37	2.76	
300x80x20 x 2,50	300	80	20	2.50	2.50	12.09	9.49	1.67	1552.38	90.18	103.49	14.82	11.33	2.73	
300x80x20 x 3,20	300	80	20	3.20	3.20	15.33	12.03	1.60	1949.38	110.92	129.96	18.23	11.28	2.69	
300x80x30 x 3,20	300	80	30	3.20	3.20	15.97	12.53	1.83	2049.89	132.67	136.66	22.69	11.33	2.88	
300x90x20x 3,20	300	90	20	3.20	3.20	15.97	12.53	1.92	2090.79	149.33	139.39	22.09	11.44	3.06	
300x90x20x4,75	300	90	20	4.75	4.75	23.22	18.22	1.76	2979.39	204.38	198.63	30.20	11.33	2.97	
300x90x25 x 2,00	300	90	25	2.00	2.00	10.34	8.11	2.17	1380.25	107.87	92.02	16.27	11.56	3.23	
300x90x25 x 2,50	300	90	25	2.50	2.50	12.84	10.08	2.12	1703.89	139.69	113.59	19.86	11.52	3.49	
300x90x25 x 3,20	300	90	25	3.20	3.20	16.29	12.79	2.05	2142.82	163.00	142.85	24.85	11.47	3.16	
300x90x25x 4,75	300	90	25	4.75	4.75	23.69	18.60	1.89	3056.61	224.23	203.77	33.79	11.36	3.08	
300x90x30 x 2,50	300	90	30	2.50	2.50	13.09	10.27	2.24	1741.41	142.07	116.09	21.84	11.53	3.29	
300x90x30 x 3,20	300	90	30	3.20	3.20	16.61	13.04	2.17	2190.84	176.15	146.06	27.07	11.49	3.26	

PERFIL C

Medidas y características geométricas



DESIGNACIÓN DE PERFIL	ALTURA (alma)	ALA (rama)	ALA RIG. (rigidizador)	ESPESOR	RADIO DE ACUERDO	ÁREA NOMINAL DE LA SECCIÓN	MASA NOMINAL	DISTANCIAS AL CENTRO DE GRAVEDAD (1)	MOMENTOS DE INERCIA (1)		MÓDULOS RESISTENTES (1)		RADIOS DE GIRO (1)	
	h mm	b mm	d mm	e mm	r mm	S Cm ²	G Kg/m	ey Cm	I _x Cm ⁴	I _y Cm ⁴	W _x Cm ³	W _y Cm ³	i _x Cm	i _y Cm
300x90x30x 4,75	300	90	30	4.75	4.75	24.17	18.97	2.01	3127.90	243.31	208.53	37.37	11.38	3.17
300x90x40x 3,20	300	90	40	3.20	3.20	17.25	13.54	2.41	2275.54	200.98	151.70	32.05	11.49	3.41
300x90x40x 4,75	300	90	40	4.75	4.75	25.12	19.72	2.25	3252.62	279.30	216.91	44.52	11.38	3.33
300x100x25 x 2.00	300	100	25	2.00	2.00	10.74	8.43	2.52	1469.05	139.14	97.14	19.11	11.70	3.60
300x100x25 x 2.50	300	100	25	2.50	2.50	13.34	10.47	2.47	1814.53	170.18	120.97	23.36	11.66	3.57
300x100x25 x 3.20	300	100	25	3.20	3.20	16.93	13.29	2.39	2283.77	211.19	152.25	28.98	11.62	3.53
300x100x30 x 2,00	300	100	30	2.00	2.00	10.94	8.59	2.65	1499.07	149.27	99.94	20.88	11.71	3.69
300x100x30 x 3.20	300	100	30	3.20	3.20	17.25	13.54	2.52	2331.79	227.15	155.45	31.75	11.63	3.63
320x80x20 x 2.00	320	80	20	2.00	2.00	10.14	7.96	1.65	1468.57	75.45	91.79	12.26	12.04	2.73
320x80x20 x 2.50	320	80	20	2.50	2.50	12.59	9.88	1.60	1811.86	91.72	113.24	14.90	12.00	2.70
320x80x20 x 3.20	320	80	20	3.20	3.20	15.97	12.53	1.53	2276.65	112.81	142.29	18.33	11.94	2.66
320x90x25 x 2.00	320	90	25	2.00	2.00	10.74	8.43	2.09	1607.65	109.86	100.48	16.37	12.24	3.20
320x90x25 x 2.50	320	90	25	2.50	2.50	13.34	10.47	2.04	1985.40	134.12	124.09	19.98	12.20	3.17
320x90x25 x 3.20	320	90	25	3.20	3.20	16.93	13.29	1.96	2498.24	166.08	156.14	24.72	12.15	3.13
320x100x25 x 2.00	320	100	25	2.00	2.00	11.14	8.74	2.42	1708.77	141.79	106.80	19.22	12.39	3.57
320x100x25 x 2.50	320	100	25	2.50	2.50	13.84	10.86	2.37	2111.41	173.41	131.96	23.50	12.35	3.54
320x100x25 x 3.20	320	100	25	3.20	3.20	17.57	13.79	2.30	2658.82	215.22	166.18	29.16	12.30	3.50
340x80x20 x 2.00	340	80	20	2.00	2.00	10.54	8.27	1.58	1698.76	76.67	99.93	12.33	12.70	2.70
340x80x20 x 2.50	340	80	20	2.50	2.50	13.09	10.27	1.53	2096.80	93.23	123.34	14.99	11.66	2.67
340x80x20 x 3.20	340	80	20	3.20	3.20	16.61	13.04	1.49	2636.39	114.75	155.08	18.45	12.60	2.63
340x90x25 x 2.00	340	90	25	2.00	2.00	11.14	8.74	2.01	1856.52	111.71	109.21	16.45	12.91	3.17
340x90x25 x 2.50	340	90	25	2.50	2.50	13.84	10.86	1.96	2293.58	136.37	134.92	20.08	12.87	3.14
340x90x25 x 3.20	340	90	25	3.20	3.20	17.57	13.79	1.89	2887.51	168.80	169.85	24.85	12.82	3.10
340x100x25 x 2.00	340	100	25	2.00	2.00	11.54	9.06	2.34	1970.77	144.25	115.93	19.33	13.07	3.54
340x100x25 x 2.50	340	100	25	2.50	2.50	14.34	11.26	2.29	2435.97	174.42	143.29	23.63	13.03	3.51
340x100x25 x 3.20	340	100	25	3.20	3.20	18.21	14.29	2.21	3069.01	218.96	180.53	29.32	12.98	3.47
350x100x25 x 2.00	350	100	25	2.00	2.00	11.74	9.21	2.30	2110.37	145.42	120.59	19.38	13.41	3.52
350x100x25 x 2.50	350	100	25	2.50	2.50	14.59	11.45	2.24	2608.94	177.85	149.08	23.69	13.37	3.49
350x100x25 x 3.20	350	100	25	3.20	3.20	18.53	14.54	2.17	3287.68	220.73	187.87	29.40	13.32	3.45
360x100x20x 3,20	360	100	20	3.20	3.20	18.53	14.54	2.00	3436.23	204.67	190.90	26.67	13.62	3.32
360x100x20x 4,75	360	100	20	4.75	4.75	27.02	21.21	1.85	4922.88	282.02	273.49	36.72	13.50	3.23
360x100x25 x 3,20	360	100	25	3.20	3.20	18.85	14.79	2.13	3515.62	222.44	195.31	29.47	13.66	3.44
360x100x25x 4,75	360	100	25	4.75	4.75	27.49	21.58	1.97	5040.72	307.88	280.04	40.77	13.54	3.35
360x100x30 x 3,20	360	100	30	3.20	3.20	19.17	15.05	2.26	3590.04	236.62	199.45	32.28	13.69	3.54
360x100x30 x 4,75	360	100	30	4.75	4.75	27.97	21.95	2.10	5151.20	332.86	286.18	44.82	13.57	3.45
360x100x40x 3,20	360	100	40	3.20	3.20	19.81	15.55	2.49	3724.66	272.30	206.93	37.88	13.71	3.71
360x100x40 x 4,75	360	100	40	4.75	4.75	28.92	22.70	2.33	5351.01	380.37	297.28	52.90	13.60	3.63

(#) Perfiles normalizados según Norma IRAM IAS U 500-206 - 1 y 3 Calidades de Acero F24/F26.

(1) Los valores indicados son a título informativo.

Medidas que no figuran en esta tabla consultar factibilidad de fabricación.

Troquelado: corte parcial a partir de 2 mts.

Largo Mínimo de Barra: 4 mts.

Largo Standard: 12 mts.

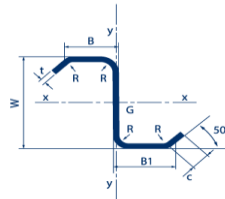
Largo 13 mts.: en Alturas mayores o iguales a 120 mm, consultar según medidas y espesores.

Largo 15 mts.: en Alturas mayores o iguales a 140 mm, consultar según medidas, espesores y volúmen mínimo.

Tolerancia en el largo -0 / +30 mm. Para largos especiales consultar por tolerancia restringida.

PERFIL Z ANIDABLE (Ze)

Medidas y características
geométricas



DESIGNACIÓN DE PERFIL	ALTIMETRIA (Alma)		ALA 2 (rama 2)	ALA RIG. (rigidizador)	ESPESOR	ÁREA NOMINAL DE LA SELECCIÓN	MASA NOMINAL	DISTANCIAS AL CENTRO DE GRAVEDAD		MOMENTOS DE INERCIA		MÓDULOS RESISTENTE		RADIOS DE GIRO	
	W	B						XG	YG	I _x	I _y	S _x	S _y	r _x	r _y
	mm	mm	mm	mm	mm	Cm ²	Kg/m	Cm	Cm	Cm ⁴	Cm ⁴	Cm ³	Cm ³	Cm	Cm
120x50x15 x 2.0	120	50	50	15	2.00	4.59	3.60	0.01	0.00	102.53	25.73	17.08	4.34	4.72	2.36
120x50x15 x 2.5	120	50	50	15	2.50	5.62	4.41	0.01	0.00	123.24	29.67	20.54	5.01	4.68	2.29
160x54x24 x 1.6 (*)	160	54	60.3	24	1.60	4.89	3.84	0.15	0.16	192.60	43.62	23.59	5.90	6.27	2.98
160x54x24 x 2.0	160	54	60.3	24	2.00	6.04	4.74	0.14	0.16	235.21	51.91	28.80	7.03	6.23	2.93
160x54x24 x 2.5	160	54	60.3	24	2.50	7.42	5.83	0.14	0.16	285.41	60.94	34.94	8.26	6.19	2.86
160x54x24 x 3.2	160	54	60.3	24	3.20	9.28	7.28	0.12	0.17	350.02	71.30	42.84	9.68	6.14	2.77
160x55x20 x 1.6 (*)	160	55	55	20	1.60	4.70	3.69	0.00	0.00	183.09	34.27	22.88	5.07	6.24	2.69
160x55x20 x 2.0	160	55	55	20	2.00	5.79	4.55	0.00	0.00	223.33	40.60	27.91	6.01	6.20	2.64
160x60x15 x 2.5	160	60	60	15	2.50	7.12	5.59	0.01	0.00	274.49	48.67	34.31	7.03	6.20	2.61
180x54x24 x 1.6 (*)	180	54	60.3	24	1.60	5.21	4.09	0.14	0.17	253.92	43.63	27.68	5.90	6.97	2.89
180x54x24 x 2.0	180	54	60.3	24	2.00	6.44	5.05	0.13	0.17	310.45	51.92	33.84	7.03	6.94	2.83
180x54x24 x 2.5	180	54	60.3	24	2.50	7.92	6.22	0.13	0.17	377.26	60.96	41.11	8.26	6.89	2.77
180x54x24 x 3.2	180	54	60.3	24	3.20	9.92	7.78	0.12	0.17	463.66	71.32	50.51	9.67	6.83	2.68
180x60x15 x 2.0	180	60	60	15	2.00	6.19	4.86	0.00	0.00	298.68	41.72	33.18	6.02	6.94	2.59
180x60x15 x 2.5	180	60	60	15	2.50	7.62	5.98	0.01	0.00	362.35	48.67	40.26	7.03	6.89	2.52
180x60x15 x 3.2	180	60	60	15	3.20	9.52	7.48	0.02	0.00	444.22	56.38	49.35	8.16	6.82	2.43
200x50x20 x 2.0	200	50	50	20	2.00	6.39	5.02	0.00	0.00	359.35	32.07	35.93	5.13	7.49	2.23
200x50x20 x 2.5	200	50	50	20	2.50	7.87	6.17	0.01	0.00	436.04	37.23	43.60	5.96	7.44	2.17
200x50x20 x 3.2	200	50	50	20	3.20	9.84	7.73	0.02	0.00	534.72	42.82	53.47	6.87	7.36	2.08
200x54x23 x 1.6 (*)	200	54	60.3	23	1.60	5.50	4.32	0.13	0.18	323.46	42.13	31.76	5.74	7.66	2.76
200x54x23 x 2.0	200	54	60.3	23	2.00	6.80	5.34	0.12	0.18	395.79	50.10	38.86	6.83	7.62	2.71
200x54x23 x 2.5	200	54	60.3	23	2.50	8.37	6.57	0.12	0.18	481.46	58.78	47.26	8.02	7.58	2.64
200x54x23 x 3.2	200	54	60.3	23	3.20	10.49	8.24	0.11	0.18	592.63	68.69	58.16	9.38	7.51	2.55
200x80x23 x 1.6 (*)	200	80	86	23	1.60	6.33	4.97	0.14	0.15	404.90	105.29	39.89	10.64	7.99	4.07
200x80x23 x 2.0	200	80	86	23	2.00	7.83	6.15	0.14	0.15	497.18	126.82	48.97	12.83	7.96	4.02
200x80x23 x 2.5	200	80	86	23	2.50	9.67	7.59	0.14	0.15	607.57	151.23	59.84	15.31	7.92	3.95
200x80x23 x 3.2	200	80	86	23	3.20	12.15	9.54	0.13	0.15	752.92	180.99	74.13	18.34	7.87	3.85
220x54x23 x 1.6 (*)	220	54	60.3	23	1.60	5.82	4.57	0.12	0.18	405.73	42.14	36.26	5.73	8.34	2.68
220x54x23 x 2.0	220	54	60.3	23	2.00	7.20	5.65	0.12	0.19	496.89	50.11	44.40	6.83	8.30	2.63
220x54x23 x 2.5	220	54	60.3	23	2.50	8.87	6.96	0.11	0.19	605.14	58.79	54.06	8.02	8.25	2.57
220x54x23 x 3.2	220	54	60.3	23	3.20	11.13	8.74	0.10	0.19	746.10	68.70	66.63	9.38	8.18	2.48
230x54x23 x 1.6 (*)	230	54	60.3	23	1.60	5.98	4.69	0.12	0.19	451.20	42.14	38.58	5.73	8.68	2.65
230x54x23 x 2.0	230	54	60.3	23	2.00	7.40	5.81	0.11	0.19	552.80	50.12	47.27	6.82	8.64	2.60
230x54x23 x 2.5	230	54	60.3	23	2.50	9.12	7.16	0.11	0.19	673.57	58.79	57.58	8.01	8.59	2.53
230x54x23 x 3.2	230	54	60.3	23	3.20	11.45	8.99	0.10	0.19	831.11	68.70	71.03	9.37	8.51	2.44
240x70x20 x 1.6 (*)	240	70	70	20	1.60	6.46	5.07	0.00	0.00	547.81	62.55	45.65	7.58	9.20	3.11
240x70x20 x 2.0	240	70	70	20	2.00	7.99	6.27	0.00	0.00	672.32	74.80	56.02	9.07	9.16	3.05
240x70x20 x 2.5	240	70	70	20	2.50	9.87	7.74	0.01	0.00	821.02	88.38	68.41	10.73	9.12	2.99
240x70x20 x 3.2	240	70	70	20	3.20	12.40	9.74	0.01	0.00	1016.35	104.35	84.69	12.68	9.04	2.89
260x80x24 x 1.6 (*)	260	80	86	24	1.60	7.32	5.75	0.12	0.16	748.11	108.15	56.80	10.84	10.10	3.84
260x80x24 x 2.0	260	80	86	24	2.00	9.07	7.12	0.12	0.17	920.40	130.32	69.88	13.07	10.06	3.78
260x80x24 x 2.5	260	80	86	24	2.50	11.22	8.80	0.12	0.17	1127.55	155.48	85.60	15.61	10.02	3.72
260x80x24 x 3.2	260	80	86	24	3.20	14.13	11.09	0.11	0.17	1402.31	186.22	106.44	18.71	9.95	3.62
280x54x23 x 1.6 (*)	280	54	60.3	23	1.60	6.78	5.32	0.10	0.20	725.03	42.15	51.03	5.72	10.33	2.49
280x54x23 x 2.0	280	54	60.3	23	2.00	8.40	6.59	0.10	0.20	889.85	50.13	62.62	6.81	10.29	2.44
280x54x23 x 2.5	280	54	60.3	23	2.50	10.37	8.14	0.09	0.21	1086.71	58.82	76.47	8.00	10.23	2.38
280x54x23 x 3.2	280	54	60.3	23	3.20	13.05	10.25	0.09	0.21	1345.29	68.73	94.64	9.36	10.14	2.29
300x54x23 x 1.6 (*)	300	54	60.3	23	1.60	7.10	5.57	0.10	0.21	857.76	42.16	56.38	5.72	10.98	2.43
300x54x23 x 2.0	300	54	60.3	23	2.00	8.80	6.91	0.09	0.21	1053.38	50.14	69.24	6.81	10.93	2.38
300x54x23 x 2.5	300	54	60.3	23	2.50	10.87	8.53	0.09	0.21	1287.41	52.82	84.61	8.00	10.87	2.32
300x54x23 x 3.2	300	54	60.3	23	3.20	13.69	10.75	0.08	0.21	1595.55	68.74	104.84	9.36	10.79	2.24
310x80x24 x 1.6 (*)	310	80	86	24	1.60	8.12	6.37	0.11	0.18	1132.26	108.17	72.20	10.83	11.80	3.64
310x80x24 x 2.0	310	80	86	24	2.00	10.07	7.91	0.11	0.18	1394.65	130.33	88.92	13.06	11.76	3.59
310x80x24 x 2.5	310	80	86	24	2.50	12.47	9.78	0.11	0.18	1711.08	155.51	109.09	15.59	11.71	3.53
310x80x24 x 3.2	310	80	86	24	3.20	15.73	12.35	0.10	0.18	2132.64	186.25	135.94	18.70	11.64	3.44
320x54x23 x 1.6 (*)	320	54	60.3	23	1.60	7.42	5.83	0.09	0.21	1004.70	42.16	61.95	5.72	11.63	2.38
320x54x23 x 2.0	320	54	60.3	23	2.00	9.20	7.22	0.09	0.21	1234.52	50.14	76.12	6.80	11.58	2.33
320x54x23 x 2.5	320	54	60.3	23	2.50	11.37	8.93	0.09	0.21	1509.87	58.83	93.08	7.99	11.51	2.27
320x54x23 x 3.2	320	54	60.3	23	3.20	14.33	11.25	0.08	0.21	1873.21	68.75	115.46	9.35	11.42	2.18

Norma IRAM IAS U 500-206 - 1 y 7 - Acero Galvanizado Zar 250

Medidas que no figuran en esta tabla consultar factibilidad de fabricación.

(*) Los valores indicados son a título informativo

(*) Medidas en espesor 1.60 se conforman solo con chapa galvanizada.

Largo Mínimo de Barra: 4 mts.

Largo Standard: 12 mts.

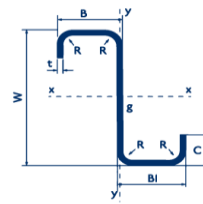
Tolerancia en el largo - / +30 mm. Para largos especiales consultar por tolerancia restringida.

Largo 13 mts.: en Alturas mayores o iguales a 120 mm, consultar según medidas y espesores.

Largo 15 mts.: en Alturas mayores o iguales a 140 mm, consultar según medidas, espesores y volúmen mínimo.

PERFIL Z RIGIDIZABLE (Zr)

Medidas y características
geométricas



Medidas y Propiedades de la Sección

DESIGNACIÓN DE PERFIL	ALTIMA (alma)	ALA 1 (rama 1)	ALA 2 (rama 2)	ALA RIG. (rigidizador)	ESPESOR	AREA NOMINAL DE LA SECCIÓN	MASA NOMINAL	DISTANCIAS AL CENTRO DE GRAVEDAD (1)		MOMENTOS DE INERCIA (1)		MÓDULOS RESISTENTE (1)		RADIOS DE GIRO (1)	
	W	B	B1	C	t	A	M	XG	YG	Ix	Iy	Sx	Sy	rx	ry
	mm	mm	mm	mm	mm	Cm ²	Kg/m	Cm	Cm	Cm ⁴	Cm ⁴	Cm ³	Cm ³	Cm	Cm
120x50x15x2.0	120	50	50	15	2.00	4.74	3.72	0.00	0.00	105.80	26.43	17.63	5.39	4.73	2.36
120x50x20x2.5	120	50	50	20	2.50	6.09	4.78	0.00	0.00	133.22	37.15	22.20	7.62	4.68	2.47
120x50x20x3.2	120	50	50	20	3.20	7.65	6.00	0.00	0.00	164.22	44.67	27.37	9.23	4.63	2.42
140x60x20x2.5	140	60	60	20	2.50	7.09	5.56	0.00	0.00	215.61	59.96	30.80	10.21	5.52	2.91
140x60x20x3.2	140	60	60	20	3.20	8.93	7.01	0.00	0.00	267.30	72.71	38.19	12.45	5.47	2.85
180x80x20x3.2	180	80	80	20	3.20	11.49	9.02	0.00	0.00	584.65	158.14	64.96	20.17	7.13	3.71
200x80x20x3.2	200	80	80	20	3.20	12.13	9.52	0.00	0.00	747.20	158.14	74.72	20.17	7.85	3.61
220x63.5x70x3.2	220	63.5	70	20	3.20	11.92	9.36	0.14	0.19	833.94	97.15	74.53	14.50	8.36	2.86
220x65x70x2.5	220	65	70	20	2.50	9.69	7.61	0.31	0.39	697.40	98.44	61.21	13.19	8.48	3.19
220x68.5x75x3.2	220	68.5	75	20	3.20	12.24	9.61	0.14	0.18	871.55	118.02	77.93	16.40	8.44	3.11
220x70x75x2.5	220	70	75	20	2.50	9.71	7.63	0.11	0.14	701.66	99.23	62.99	13.66	8.50	3.20
220x73.5x80x3.2	220	73.5	80	20	3.20	12.56	9.86	0.15	0.18	909.16	141.61	81.32	18.41	8.51	3.36
220x75x80x2.5	220	75	80	20	2.50	9.96	7.82	0.12	0.14	731.23	118.59	65.66	15.28	8.57	3.45
220x80x80x2.5	220	80	80	20	2.50	10.09	7.92	0.00	0.00	746.20	128.97	67.84	16.38	8.60	3.58
220x80x80x3.2	220	80	80	20	3.20	12.77	10.02	0.00	0.00	934.01	158.14	84.91	20.17	8.55	3.52
240x63.5x70x3.2	240	63.5	70	20	3.20	12.56	9.86	0.13	0.20	1026.98	97.16	84.21	14.49	9.04	2.78
240x65x70x2.5	240	65	70	20	2.50	9.96	7.82	0.10	0.15	826.62	82.06	68.04	12.12	9.11	2.87
240x68.5x75x3.2	240	68.5	75	20	3.20	12.88	10.11	0.14	0.19	1071.86	118.04	87.92	16.39	9.12	3.03
240x70x75x2.5	240	70	75	20	2.50	10.21	8.02	0.11	0.15	861.88	99.24	70.96	13.65	9.19	3.12
240x73.5x80x3.2	240	73.5	80	20	3.20	13.20	10.36	0.14	0.19	1116.73	141.63	91.64	18.40	9.20	3.28
240x75x80x2.5	240	75	80	20	2.50	10.46	8.21	0.11	0.14	897.14	118.60	73.89	15.27	9.26	3.37
240x80x80x2.5	240	80	80	20	2.50	10.59	8.31	0.00	0.00	914.97	128.97	76.25	16.38	9.30	3.49
240x80x80x3.2	240	80	80	20	3.20	13.41	10.52	0.00	0.00	1146.34	158.14	95.53	20.17	9.25	3.43
260x63.5x70x3.2	260	63.5	70	20	3.20	13.20	10.36	0.13	0.20	1245.15	97.17	94.31	14.47	9.71	2.71
260x65x70x2.5	260	65	70	20	2.50	10.46	8.21	0.10	0.15	1001.08	82.06	76.11	12.11	9.78	2.80
260x68.5x75x3.2	260	68.5	75	20	3.20	13.52	10.61	0.13	0.20	1297.92	118.05	98.35	16.37	9.80	2.96
260x70x75x2.5	260	70	75	20	2.50	10.71	8.41	0.10	0.15	1042.52	99.24	79.28	13.64	9.86	3.04
260x73.5x80x3.2	260	73.5	80	20	3.20	13.84	10.86	0.14	0.19	1350.69	141.64	102.38	18.38	9.88	3.20
260x75x80x2.5	260	75	80	20	2.50	10.96	8.61	0.11	0.15	1083.97	118.60	82.45	15.26	9.94	3.29
260x80x80x2.5	260	80	80	20	2.50	11.09	8.70	0.00	0.00	1104.93	128.97	84.99	16.38	9.98	3.41
260x80x80x3.2	260	80	80	20	3.20	14.05	11.03	0.00	0.00	1385.49	158.14	106.58	20.17	9.93	3.36
280x63.5x70x3.2	280	63.5	70	20	3.20	13.84	10.86	0.12	0.21	1489.71	97.18	104.85	14.46	10.38	2.65
280x65x70x2.5	280	65	70	20	2.50	10.96	8.61	0.09	0.16	1196.46	82.07	84.51	12.10	10.45	2.74
280x68.5x75x3.2	280	68.5	75	20	3.20	14.16	11.11	0.12	0.20	1551.02	118.06	109.20	16.36	10.47	2.89
280x70x75x2.5	280	70	75	20	2.50	11.21	8.80	0.10	0.15	1244.59	99.25	87.93	13.64	10.54	2.98
280x73.5x80x3.2	280	73.5	80	20	3.20	14.48	11.37	0.13	0.20	1612.32	141.65	113.55	18.37	10.55	3.13
280x75x80x2.5	280	75	80	20	2.50	11.46	9.00	0.10	0.15	1292.73	118.61	91.35	15.26	10.62	3.22
280x80x80x2.5	280	80	80	20	2.50	11.59	9.10	0.00	0.00	1317.06	128.97	94.08	16.38	10.66	3.34
280x80x80x3.2	280	80	80	20	3.20	14.69	11.53	0.00	0.00	1652.74	158.14	118.05	20.17	10.61	3.28
300x63.5x70x3.2	300	63.5	70	20	3.20	14.48	11.37	0.11	0.21	1761.94	97.19	115.82	14.45	11.03	2.59
300x65x70x2.5	300	65	70	20	2.50	11.46	9.00	0.09	0.16	1413.77	82.07	93.24	12.10	11.11	2.68
300x68.5x75x3.2	300	68.5	75	20	3.20	14.80	11.62	0.12	0.21	1832.43	118.07	120.49	16.35	11.13	2.82
300x70x75x2.5	300	70	75	20	2.50	11.71	9.20	0.09	0.16	1469.09	99.25	96.91	13.63	11.20	2.91
300x73.5x80x3.2	300	73.5	80	20	3.20	15.12	11.87	0.12	0.20	1902.91	141.66	125.16	18.36	11.22	3.06
300x75x80x2.5	300	75	80	20	2.50	11.96	9.39	0.10	0.16	1524.42	118.61	100.59	15.25	11.29	3.15
300x80x80x2.5	300	80	80	20	2.50	12.09	9.49	0.00	0.00	1552.36	128.97	103.49	16.38	11.33	3.27
300x80x80x3.2	300	80	80	20	3.20	15.33	12.03	0.00	0.00	1949.35	158.14	129.96	20.17	11.28	3.21
320x63.5x70x3.2	320	63.5	70	20	3.20	15.12	11.87	0.11	0.22	2063.13	97.20	127.21	14.44	11.68	2.54
320x65x70x2.5	320	65	70	20	2.50	11.96	9.39	0.09	0.17	1654.01	82.08	102.31	12.09	11.76	2.62
320x68.5x75x3.2	320	68.5	75	20	3.20	15.44	12.12	0.11	0.21	2143.44	118.08	132.20	16.34	11.78	2.77
320x70x75x2.5	320	70	75	20	2.50	12.21	9.59	0.09	0.16	1717.02	99.26	106.23	13.62	11.86	2.85
320x73.5x80x3.2	320	73.5	80	20	3.20	15.76	12.37	0.12	0.21	2223.74	141.67	137.19	18.35	11.88	3.00
320x75x80x2.5	320	75	80	20	2.50	12.46	9.78	0.09	0.16	1780.03	118.62	110.16	15.24	11.95	3.08
320x80x80x2.5	320	80	80	20	2.50	12.59	9.88	0.00	0.00	1811.85	128.97	113.24	16.38	12.00	3.20
320x80x80x3.2	320	80	80	20	3.20	15.97	12.53	0.00	0.00	2276.62	158.14	142.29	20.17	11.94	3.15

Norma IRAM IAS U 500-206 - 1 y 6 - Acero Galvanizado Zar 250

Medidas que no figuran en esta tabla consultar factibilidad de fabricación.

(1) Los valores indicados son a título informativo

Largo Mínimo de Barra: 4 mts.

Largo Standard: 12 mts.

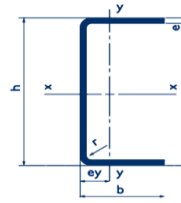
Tolerancia en el largo -0 / +30 mm. Para largos especiales consultar por tolerancia restringida.

Largo 13 mts.: en Alturas mayores o iguales a 120 mm, consultar según medidas y espesores.

Largo 15 mts.: en Alturas mayores o iguales a 140 mm, consultar según medidas, espesores y volúmen mínimo.

PERFIL U

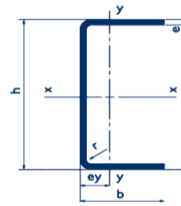
Medidas y características
geométricas



DESIGNACIÓN DEL PERFIL	ALTURA (alma)	ALA (rama)	ESPESOR	RADIO DE ACUERDO	AREA NOMINAL DE LA SECCIÓN	MASA NOMINAL	DISTANCIAS AL CENTRO DE GRAVEDAD (l)	MOMENTOS DE INERCIA (I)		MÓDULOS RESISTENTE (I)		RADIOS DE GIRO (I)	
	h mm	b mm	e mm	r mm	S Cm ²	G Kg/m	ey Cm	I _x Cm ⁴	I _y Cm ⁴	W _x Cm ³	W _y Cm ³	i _x Cm	i _y Cm
100x50 x 2.00	100	50	2.00	2.00	3.87	3.04	1.14	61.48	9.72	12.30	2.66	3.99	1.59
100x50 x 2.50	100	50	2.50	2.50	4.79	3.76	1.12	75.27	11.94	15.05	3.28	3.96	1.58
120x50 x 1.60	120	50	1.60	1.60	3.44	2.70	1.05	76.14	8.33	12.69	2.20	4.71	1.56
120x50 x 2.00	120	50	2.00	2.00	4.27	3.35	1.03	93.79	10.28	15.63	2.72	4.69	1.55
120x50 x 2.50	120	50	2.50	2.50	5.29	4.16	1.00	115.09	12.63	19.18	3.37	4.66	1.54
120x50 x 3.20	120	50	3.20	3.20	6.70	5.26	0.96	143.51	15.78	23.92	4.24	4.63	1.53
140x50 x 2.00	140	50	2.00	2.00	4.67	3.66	0.93	134.63	10.74	19.23	2.78	5.37	1.52
140x50 x 2.50	140	50	2.50	2.50	5.79	4.55	0.90	165.49	13.21	23.64	3.43	5.34	1.51
140x50 x 3.20	140	50	3.20	3.20	7.34	5.76	0.86	206.87	16.52	29.55	4.33	5.31	1.50
140x60 x 1.60	140	60	1.60	1.60	4.07	3.19	1.29	124.47	14.41	17.78	3.17	5.52	1.88
140x60 x 2.00	140	60	2.00	2.00	5.07	3.98	1.27	153.67	17.81	21.95	3.94	5.51	1.87
140x60 x 2.50	140	60	2.50	2.50	6.29	4.94	1.25	189.12	21.95	27.02	4.88	5.48	1.87
140x60 x 3.20	140	60	3.20	3.20	7.98	6.27	1.21	236.82	27.54	33.83	6.16	5.45	1.86
140x70 x 3.20	140	70	3.20	3.20	8.62	6.77	1.58	266.76	42.24	38.11	8.28	5.56	2.21
140x75 x 2.50	140	75	2.50	2.50	7.04	5.52	1.74	218.43	44.93	31.20	7.80	5.57	2.53
160x50 x 2.00	160	50	2.00	2.00	5.07	3.98	0.85	184.80	11.13	23.10	2.82	6.04	1.48
160x50 x 2.50	160	50	2.50	2.50	6.29	4.94	0.82	227.48	13.69	28.44	3.48	6.01	1.47
160x50 x 3.20	160	50	3.20	3.20	7.98	6.27	0.78	284.92	17.13	35.61	4.39	5.97	1.46
160x60 x 1.60	160	60	1.60	1.60	4.39	3.45	1.19	169.74	14.97	21.21	3.22	6.21	1.84
160x60 x 2.00	160	60	2.00	2.00	5.47	4.29	1.17	209.77	18.51	26.22	4.00	6.19	1.84
160x60 x 2.50	160	60	2.50	2.50	6.79	5.33	1.15	258.49	22.83	32.31	4.96	6.17	1.83
160x60 x 3.20	160	60	3.20	3.20	8.62	6.77	1.11	324.26	28.65	40.53	6.27	6.13	1.82
160x60 x 4.75	160	60	4.75	4.75	12.55	9.85	1.01	460.32	40.80	57.54	9.05	6.05	1.80
160x70 x 3.20	160	70	3.20	3.20	9.26	7.27	1.46	363.60	44.04	45.45	8.43	6.27	2.18
160x80 x 3.20	160	80	3.20	3.20	9.90	7.77	1.83	402.93	63.70	50.37	10.88	6.38	2.54
170x50x 4,75	170	50	4,75	4,75	12,08	9,49	0,66	467,48	24,62	55,00	6,36	6,22	1,43
170x60 x 1,60	170	60	1,60	1,60	4,55	3,57	1,15	195,63	15,22	23,01	3,24	6,55	1,82
170x60 x 2,00	170	60	2,00	2,00	5,66	4,44	1,12	241,90	18,83	28,45	4,03	6,53	1,82
170x60 x 2,50	170	60	2,50	2,50	7,04	5,52	1,10	298,27	23,22	35,09	4,99	6,50	1,81
170x60 x 3,20	170	60	3,20	3,20	8,94	7,02	1,06	374,50	29,17	44,06	6,31	6,47	1,80
170x60 x 4,75	170	60	4,75	4,75	13,03	10,23	0,97	532,35	41,52	62,62	9,12	6,39	1,78
180x60 x 2.00	180	60	2.00	2.00	5.87	4.61	1.09	276.80	19.12	30.76	4.06	6.87	1.80
180x60 x 2.50	180	60	2.50	2.50	7.29	5.73	1.06	341.44	23.58	37.94	5.03	6.84	1.80
180x60 x 3.20	180	60	3.20	3.20	9.26	7.27	1.02	428.95	29.61	47.66	6.35	6.80	1.79
180x70 x 1,60	180	70	1,60	1,60	5,03	3,95	1,44	249,26	23,68	27,69	4,38	7,03	2,16
180x70 x 2,00	180	70	2,00	2,00	6,26	4,92	1,41	308,52	29,33	34,28	5,45	7,01	2,16
180x70 x 2,50	180	70	2,50	2,50	7,79	6,11	1,39	380,90	36,24	42,32	6,76	6,99	2,15
180x70 x 3,20	180	70	3,20	3,20	9,90	7,77	1,35	479,10	45,64	53,23	8,56	6,95	2,14
180x70 x 4,75	180	70	4,75	4,75	14,45	11,34	1,26	683,85	65,31	75,98	12,41	6,87	2,12
180x80 x 3.20	180	80	3.20	3.20	10.54	8.28	1.71	528.97	66.07	58.77	11.06	7.08	2.50
200x60 x 2.00	200	60	2.00	2.00	6.27	4.92	1.01	355.57	19.65	35.56	4.10	7.53	1.77
200x60 x 2.50	200	60	2.50	2.50	7.79	6.12	0.98	438.99	24.23	43.90	5.08	7.50	1.76
200x60 x 3.20	200	60	3.20	3.20	9.90	7.77	0.94	552.16	30.44	55.22	6.43	7.47	1.75
200x70 x 2.50	200	70	2.50	2.50	8.29	6.51	1.30	487.75	37.31	48.77	6.85	7.67	2.12
200x70 x 3.20	200	70	3.20	3.20	10.54	8.28	1.26	614.13	46.98	61.41	8.67	7.63	2.11
200x80 x 1,60	200	80	1,60	1,60	5,67	4,45	1,68	350,27	35,24	35,02	5,72	7,85	2,49
200x80 x 2,00	200	80	2,00	2,00	7,06	5,54	1,66	434,02	43,69	43,40	7,12	7,83	2,48
200x80 x 2,50	200	80	2,50	2,50	8,79	6,90	1,63	536,58	54,06	53,65	8,84	7,81	2,47
200x80 x 3.20	200	80	3.20	3.20	11.18	8.78	1.60	676.10	68.17	67.61	11.21	7.78	2.47
200x80 x 4,75	200	80	4,75	4,75	16,36	12,84	1,51	969,07	97,93	96,91	16,29	7,70	2,45
200x100 x 1,60	200	100	1,60	1,60	6,31	4,95	2,41	413,25	64,87	41,32	8,73	8,08	3,20
200x100 x 2,00	200	100	2,00	2,00	7,86	6,17	2,39	512,43	80,54	51,24	10,87	8,07	3,20
200x100 x 2,50	200	100	2,50	2,50	9,79	7,68	2,36	634,10	99,81	63,41	13,51	8,04	3,19
200x100 x 3,20	200	100	3,20	3,20	12,46	9,78	2,32	800,21	126,23	80,02	17,16	8,01	3,18
200x100 x 4,75	200	100	4,75	4,75	18,25	14,33	2,24	1150,71	182,40	115,07	25,04	7,93	3,16

PERFIL U

Medidas y características geométricas



DESIGNACIÓN DEL PERFIL	ALTURA (alma)	ALA (rama)	ESPESOR	RADIO DE ACUERDO	AREA NOMINAL DE LA SECCIÓN	MASA NOMINAL	DISTANCIAS AL CENTRO DE GRAVEDAD (I)	MOMENTOS DE INERCIA (I)		MÓDULOS RESISTENTE (I)		RADIOS DE GIRO (I)	
	h	b	e	r	S	G	e _y	I _x	I _y	W _x	W _y	i _x	i _y
	mm	mm	mm	mm	Cm ²	Kg/m	Cm	Cm ⁴	Cm ⁴	Cm ³	Cm ³	Cm	Cm
220x50 x 3.20	220	50	3.20	3.20	9.90	7.77	0.60	619.98	18.50	56.36	4.53	7.91	1.37
220x80 x 3.20	220	80	3.20	3.20	11.82	9.28	1.50	845.59	70.05	76.87	11.34	8.46	2.43
240x80 x 1.60	240	80	1.60	1.60	6.31	4.95	1.50	536.06	37.04	44.67	5.85	9.21	2.42
240x80 x 2.00	240	80	2.00	2.00	7.87	6.18	1.49	664.81	45.93	55.40	7.28	9.19	2.42
240x80 x 2.50	240	80	2.50	2.50	9.79	7.69	1.46	822.86	56.84	68.57	9.03	9.17	2.41
240x80 x 3.20	240	80	3.20	3.20	12.46	9.78	1.42	1038.72	71.73	86.56	11.46	9.13	2.40
240x80 x 4.75	240	80	4.75	4.75	18.26	14.33	1.33	1494.59	103.15	124.55	16.66	9.05	2.38
240x90 x 1.60	240	90	1.60	1.60	6.63	5.20	1.83	581.53	51.28	48.46	7.32	9.36	2.77
240x90 x 2.00	240	90	2.00	2.00	8.26	6.49	1.81	721.50	63.64	60.12	9.11	9.34	2.77
240x90 x 2.50	240	90	2.50	2.50	10.29	8.08	1.78	893.46	78.84	74.45	11.32	9.31	2.76
240x90 x 3.20	240	90	3.20	3.20	13.10	10.28	1.74	1128.65	99.65	94.05	14.37	9.28	2.75
240x 90 x4,75	240	90	4.75	4.75	19.20	15.07	1.66	1626.65	143.82	135.55	20.95	9.20	2.73
260x80 x 2.50	260	80	2.50	2.50	10.29	8.08	1.38	994.92	58.03	76.53	9.11	9.83	2.37
260x80 x 3.20	260	80	3.20	3.20	13.10	10.29	1.34	1256.79	73.25	96.68	11.56	9.79	2.36
280x80 x 2.50	280	80	2.50	2.50	10.79	8.47	1.31	1187.57	59.11	84.83	9.18	10.49	2.34
280x80 x 3.20	280	80	3.20	3.20	13.74	10.79	1.27	1501.06	74.63	107.22	11.65	10.45	2.33
300x80 x 2.50	300	80	2.50	2.50	11.29	8.87	1.25	1401.80	60.10	93.45	9.24	11.14	2.31
300x80 x 3.20	300	80	3.20	3.20	14.38	11.29	1.21	1772.81	75.88	118.19	11.72	11.10	2.30
300x90 x 3.20	300	90	3.20	3.20	15.02	11.79	1.50	1914.01	105.75	127.60	14.73	11.28	2.65
300x90 x 4,75	300	90	4.75	4.75	22.05	17.31	1.41	2769.28	152.78	184.61	21.49	11.20	2.63
320x80 x 2.50	320	80	2.50	2.50	11.79	9.26	1.19	1638.63	61.00	102.41	9.30	11.79	2.27
320x80 x 3.20	320	80	3.20	3.20	15.02	11.79	1.15	2073.34	77.03	129.58	11.80	11.75	2.26

(#) Perfiles normalizados según Norma IRAM IAS U 500-206 - 1 y 2

Medidas que no figuran en esta tabla consultar factibilidad de fabricación.

(I) Los valores indicados son a título informativo

Largo Mínimo de Barra: 4 metros

Largo Standard: 12 mts.

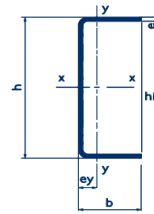
Largo 13 mts.: en Alturas mayores o iguales a 120 mm, consultar según medidas y espesores.

Largo 15 mts.: en Alturas mayores o iguales a 140 mm, consultar según medidas, espesores y volúmen mínimo.

Tolerancia en el largo -0 / +30 mm. Para largos especiales consultar por tolerancia restringida.

PERFIL U ENSAMBLABLE

Medidas y características
geométricas



MEDIDAS Y CARACTERÍSTICAS GEOMÉTRICAS

DESIGNACIÓN DEL PERFIL	ALTURA (alma)		ALA (rama)	ESPESOR	RADIO DE ACUERDO	AREA NOMINAL DE LA SECCIÓN	MASA NOMINAL	DISTANCIAS DEL CENTRO DE GRAVEDAD (I)	MOMENTOS DE INERCIA		MÓDULOS RESISTENTES (I)		RADIOS DE GIRO (I)		
	h	hi	b						e _y	I _x	I _y	W _x	W _y	i _x	i _y
	mm	mm	mm						mm	Cm	Cm ⁴	Cm ⁴	Cm ³	Cm ³	Cm
125x50 x 2.50	125	120	50	2.50	2.50	5.42	4.25	0.97	126.66	12.79	20.27	3.38	4.83	1.54	
125x60 x 3.20	125	120	60	3.20	3.20	7.35	5.77	1.09	179.39	19.87	28.86	4.33	4.94	1.64	
145x60 x 2.50	145	140	60	2.50	2.50	6.42	5.04	1.18	196.84	20.18	27.15	4.18	5.54	1.77	
146x50 x 3.20	146	140	50	3.20	3.20	8.19	6.43	1.12	246.37	23.69	33.52	4.85	5.47	1.70	
146x60 x 2.50	146	141	60	2.50	2.50	6.35	4.98	1.06	205.45	17.81	28.23	3.80	5.69	1.68	
146x60 x 3.20	146	140	60	3.20	3.20	8.19	6.43	1.17	263.00	27.92	35.93	6.20	5.67	1.85	
150x50 x 3.20	150.4	144	50	3.20	3.20	7.68	6.03	0.79	225.29	11.63	29.96	2.76	5.42	1.23	
166x60 x 3.20	166	160	60	3.20	3.20	8.83	6.93	1.08	355.82	28.97	42.77	6.30	6.35	1.81	
186x70 x 3.20	186	180	70	3.20	3.20	10.11	7.93	1.32	520.00	46.07	55.79	8.60	7.17	2.13	
188x60 x 2.00	188	184	60	2.00	2.00	6.03	4.73	1.04	301.74	17.15	32.10	3.46	7.07	1.69	
200x85 x 3.20	200	194	85	3.20	3.20	11.52	9.04	1.71	687.25	83.85	68.59	12.35	7.72	2.70	
206x70 x 3.20	206	200	70	3.20	3.20	10.75	8.44	1.23	661.77	47.39	64.13	8.70	7.85	2.10	
206x80 x 3.20	206	200	80	3.20	3.20	11.39	8.94	1.52	701.94	67.75	68.02	10.45	7.85	2.44	
206x90 x 3.20	206	200	90	3.20	3.20	12.03	9.45	1.86	771.31	102.30	74.74	14.32	8.01	2.92	
206x100 x 3.20	206	200	100	3.20	3.20	12.67	9.95	2.21	840.68	146.92	81.46	18.86	8.14	3.40	
228x80 x 3.20	228	222	80	3.20	3.20	12.10	9.50	1.43	893.35	67.75	78.23	10.31	8.59	2.37	
228x90 x 3.20	228	222	90	3.20	3.20	12.74	10.00	1.75	978.55	102.30	85.69	14.12	8.77	2.83	
228x100 x 3.20	228	222	100	3.20	3.20	13.38	10.50	2.09	1063.75	146.92	93.15	18.58	8.92	3.31	
248x80 x 3.20	248	242	80	3.20	3.20	12.74	10.00	1.36	1092.69	67.75	87.98	10.20	9.26	2.31	
248x90 x 3.20	248	242	90	3.20	3.20	13.38	10.50	1.67	1169.10	102.30	96.11	13.96	9.45	2.77	
268x80 x 3.20	268	262	80	3.20	3.20	13.38	10.50	1.29	1317.56	67.75	98.18	10.10	9.92	2.25	
268x90 x 3.20	268	262	90	3.20	3.20	14.02	11.00	1.59	1435.71	102.30	106.98	13.81	10.12	2.70	
268x100 x 3.20	268	262	100	3.20	3.20	14.66	11.51	1.91	1553.87	146.92	115.79	18.16	10.30	3.17	
288x80 x 3.20	288	282	80	3.20	3.20	14.02	11.00	1.23	1569.29	67.75	108.83	10.01	10.58	2.20	
288x90 x 3.20	288	282	90	3.20	3.20	14.66	11.51	1.52	1705.94	102.30	118.30	13.68	10.79	2.64	
288x100 x 3.20	288	282	100	3.20	3.20	15.30	12.01	1.83	1842.59	146.92	127.78	17.98	10.98	3.10	
308x80 x 3.20	308	302	80	3.20	3.20	14.66	11.51	1.18	1849.23	67.75	119.92	9.93	11.23	2.15	
308x90 x 3.20	308	302	90	3.20	3.20	15.30	12.01	1.46	2005.72	102.30	130.07	13.57	11.45	2.59	
308x100 x 3.20	308	302	100	3.20	3.20	15.94	12.51	1.76	2162.21	146.92	140.22	17.82	11.65	3.04	

(#) Perfiles normalizados según Norma IRAM IAS U 500-206 - 2 - Calidades de Acero F22/F24

Medidas que no figuran en esta tabla consultar factibilidad de fabricación.

(I) Los valores indicados son a título informativo

Largo Mínimo de Barra: 4 mts.

Largo Standard: 12 mts.

Largo 13 mts.: en Alturas mayores o iguales a 120 mm, consultar según medidas y espesores.

Largo 15 mts.: en Alturas mayores o iguales a 140 mm, consultar según medidas, espesores y volúmen mínimo.

Tolerancia en el largo -0 / +30 mm. Para largos especiales consultar por tolerancia restringida.