

# PERFIL ESTRUCTURAL "U"



## NORMAS DE FABRICACIÓN: IRAM - IAS - U500 - 205 - 2

MEDIDAS	SECCIÓN	PESO	VALORES ESTÁTICOS RELATIVOS A LOS EJES XX-YY					
	cm <sup>2</sup>	mts	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	Wx cm <sup>3</sup>	Wy cm <sup>3</sup>	ix cm	iy cm
60x40x1.60	2.08	1.63	11.55	1.76	3.84	0.85	2.39	1.01
60x40x2.00	2.61	2.04	14.44	2.21	4.81	1.06	2.38	0.99
60x40x2.50	3.01	2.34	16.61	2.53	5.53	1.21	2.36	0.98
80x40x1.60	2.48	1.94	25.18	3.98	6.31	1.36	3.19	1.27
80x40x2.00	3.07	2.41	30.83	4.89	7.71	1.68	3.17	1.26
80x40x2.50	3.79	2.98	37.54	5.97	9.39	2.07	3.15	1.25
80x50x1.60	2.77	2.17	29.53	7.22	7.38	2.05	3.27	1.62
80x50x2.00	3.47	2.72	36.92	9.03	9.23	2.57	3.26	1.61
80x50x2.50	4.26	3.34	44.67	10.92	11.16	3.11	3.24	1.61
100x50x1.60	3.12	2.45	50.01	7.89	10.01	2.14	4.01	1.59
100x50x2.00	3.87	3.04	61.48	9.72	12.31	2.66	3.99	1.59

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	cm <sup>2</sup>	mts	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	Wx cm <sup>3</sup>	Wy cm <sup>3</sup>	ix cm	iy cm
100x50x2.50	4.79	3.76	75.27	11.94	15.05	3.28	3.96	1.58
100x50x3.20	6.06	4.76	93.56	14.91	18.71	4.14	3.91	1.57
100x50x4.75	8.91	7.01	128.01	21.31	25.61	6.21	3.83	1.61
120x50x1.60	3.44	2.71	76.14	8.33	12.69	2.21	4.71	1.56
120x50x2.00	4.27	3.35	93.79	10.28	15.63	2.72	4.69	1.55
120x50x2.50	5.29	4.16	115.09	12.63	19.18	3.37	4.66	1.54
120x50x3.20	6.71	5.26	143.51	15.78	23.92	4.24	4.63	1.53
120x50x4.75	9.91	7.81	202.21	24.11	33.71	5.91	4.51	1.61
140x60x1.60	4.11	3.22	124.47	14.42	17.77	3.19	5.53	1.88
140x60x2.00	5.07	3.98	153.67	17.81	21.95	3.94	5.51	1.87
140x60x2.50	6.29	4.94	189.12	21.95	27.02	4.88	5.48	1.87

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	cm <sup>2</sup>	mts	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	Wx cm <sup>3</sup>	Wy cm <sup>3</sup>	ix cm	iy cm
140x60x3.20	7.98	6.27	236.82	27.54	33.83	6.16	5.45	1.86
140x60x4.75	11.01	8.58	324.44	37.72	46.34	8.43	5.43	1.84
160x60x2.00	5.47	4.29	209.77	18.51	26.22	4.01	6.79	1.84
160x60x2.50	6.79	5.33	258.49	22.83	32.31	4.96	6.17	1.83
160x60x3.20	8.62	6.77	324.26	28.65	40.53	5.27	6.13	1.82
160x60x4.75	11.92	9.36	417.61	30.04	52.21	5.42	6.05	1.62
180x70x2.00	6.31	4.94	324.48	28.74	34.81	5.36	7.19	2.15
180x70x2.50	7.88	6.18	405.61	35.93	43.51	6.71	7.18	2.14
180x70x3.20	10.11	7.93	520.01	46.07	55.79	8.61	7.17	2.13
180x70x4.75	14.42	10.54	691.62	61.27	74.21	11.43	7.16	2.12
200x80x2.50	9.48	7.72	527.35	53.17	52.73	14.01	7.81	2.49

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	cm <sup>2</sup>	mts	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	Wx cm <sup>3</sup>	Wy cm <sup>3</sup>	ix cm	iy cm
200x80x3.20	11.18	8.78	676.11	68.17	67.61	11.21	7.78	2.47
200x80x4.75	13.84	12.60	905.01	71.67	90.51	11.41	7.68	2.36
220x80x2.50	9.11	8.14	651.11	53.93	59.18	8.73	8.49	2.46
220x80x3.20	11.82	9.28	845.59	70.05	76.87	11.34	8.46	2.43
220x80x4.75	16.76	13.08	1192.21	98.77	108.38	15.98	8.44	2.41
240x80x2.50	9.79	8.49	822.86	56.84	68.57	9.03	9.17	2.41
240x80x3.20	12.46	9.78	1038.72	71.73	86.56	11.46	9.13	2.41
240x80x4.75	18.26	14.33	1494.59	103.15	124.55	16.66	9.05	2.38
260x80x2.50	10.29	8.08	994.92	58.03	76.53	9.11	9.83	2.37
260x80x3.20	13.11	10.29	1256.79	73.25	96.68	11.56	9.79	2.36
260x80x4.75	18.34	14.41	1758.03	102.55	135.35	16.18	9.72	2.35

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## NORMAS DE FABRICACIÓN: IRAM - IAS - U500 - 205 - 2

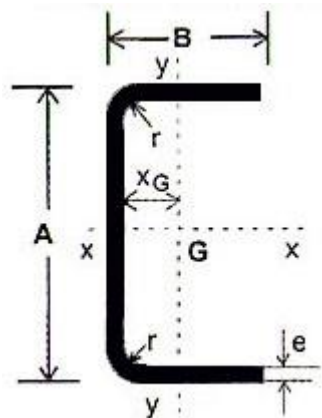
MEDIDAS	SECCIÓN	PESO	VALORES ESTÁTICOS RELATIVOS A LOS EJES XX-YY					
	cm <sup>2</sup>	mts	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	Wx cm <sup>3</sup>	Wy cm <sup>3</sup>	ix cm	iy cm
280x80x2.50	10.29	8.47	1187.57	59.11	84.83	9.18	10.49	2.34
280x80x3.20	13.74	10.79	1501.06	74.63	107.22	11.65	10.45	2.33
280x80x4.75	19.23	15.11	2101.48	104.48	150.11	16.31	10.38	2.31
300x90x2.50	11.79	9.26	1638.63	61.01	102.41	9.31	11.79	2.27
300x90x3.20	15.02	11.79	2073.34	77.03	129.58	11.81	11.75	2.26
300x90x4.75	21.17	16.62	2922.93	108.61	182.71	16.63	11.73	2.25
320x80x2,50	11.79	9.26	1638.63	61.01	102.41	9.31	11.79	2.28
320x80x3,20	15.02	9.26	2073.32	77.03	129.55	11.81	11.75	2.26
320x80x4,75	21.17	16.62	2922.93	108.61	182.71	16.63	11.73	2.25
340x80x2,50	12.49	9.81	2260.01	63.45	122.89	7.92	13.21	2.21
340x80x3,20	15.86	12.45	2825.02	78.67	155.41	10.05	13.17	2.19

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MEDIDAS	SECCIÓN	PESO	VALORES ESTÁTICOS RELATIVOS A LOS EJES XX-YY					
	cm <sup>2</sup>	mts	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	Wx cm <sup>3</sup>	Wy cm <sup>3</sup>	ix cm	iy cm
340x80x4,75	22.21	13.77	3926.77	110.13	214.46	14.15	13.15	2.18
360x80x2,50	16.23	10.33	3073.55	65.48	153.72	6.88	14.71	2.14
360x80x3,20	21.04	13.56	3841.22	82.64	195.27	9.36	14.51	2.12
360x80x4,75	30.99	18.94	5286.33	116.52	269.22	13.45	14.47	2.11

Nota: viene en chapa negra o galvanizada



# PERFIL ESTRUCTURAL "C"



## NORMAS DE FABRICACIÓN: IRAM - IAS - U500 - 205 - 2

MEDIDAS	SECCIÓN	PESO	VALORES ESTÁTICOS RELATIVOS A LOS EJES XX-YY					
	cm <sup>2</sup>	mts	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	Wx cm <sup>3</sup>	Wy cm <sup>3</sup>	ix cm	iy cm
60x40x15x1.60	2.42	1.99	14.35	5.79	4.78	2.45	2.42	1.54
60x40x15x2.00	3.14	2.46	17.94	7.23	5.98	3.06	2.39	1.52
80x40x15x1.60	2.87	2.25	29.03	6.73	7.26	2.66	3.18	1.53
80x40x15x2.00	3.54	2.78	35.25	8.07	8.81	3.18	3.16	1.51
80x40x15x2.50	4.34	3.41	42.45	9.56	10.61	3.76	3.13	1.48
80x50x15x1,60	3.19	2.51	33.95	11.46	8.49	3.69	3.26	1.89
80x50x15x2.00	3.94	3.09	41.03	13.82	10.33	4.44	3.24	1.87
80x50x15x2.50	4.85	3.86	51.23	18.62	12.81	6.28	3.17	1.91
100x50x15x1.60	3.51	2.76	56.71	12.41	11.34	3.79	4.02	1.88
100x50x15x2.00	4.34	3.41	69.23	14.98	13.85	4.57	4.01	1.86
100x50x15x2.50	5.34	4.19	83.99	17.91	16.81	5.46	3.97	1.83

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MEDIDAS	SECCIÓN	PESO	VALORES ESTÁTICOS RELATIVOS A LOS EJES XX-YY					
	cm <sup>2</sup>	mts	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	Wx cm <sup>3</sup>	Wy cm <sup>3</sup>	ix cm	iy cm
100x50x15x3.20	6.69	5.25	103.01	21.47	20.61	6.54	3.93	1.79
120x50x15x1.60	3.83	3.01	86.48	13.21	14.41	3.87	4.75	1.86
120x50x15x2.00	4.74	3.72	105.81	15.95	17.63	4.67	4.73	1.83
120x50x15x2.50	5.98	4.75	131.22	21.56	22.12	6.36	4.66	1.86
120x50x15x3.20	7.62	5.92	164.17	25.99	27.31	7.92	4.62	1.84
140x60x20x1.60	4.63	3.64	143.65	24.14	20.52	6.02	5.57	2.28
140x60x20x2.00	5.74	4.51	176.41	29.35	25.21	7.32	5.55	2.26
140x60x20x2.50	7.09	5.56	215.62	35.41	30.81	8.82	5.52	2.23
140x60x20x3.20	8.93	7.01	267.31	43.08	38.19	10.72	5.47	2.21
160x60x20x2.00	6.14	4.82	240.95	30.68	30.12	7.42	6.27	2.24
160x60x20x2.50	7.59	5.96	294.93	37.03	36.87	8.95	6.23	2.21



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	cm <sup>2</sup>	mts	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	Wx cm <sup>3</sup>	Wy cm <sup>3</sup>	ix cm	iy cm
60x60x20x3.20	9.57	7.51	366.41	45.06	45.81	10.89	6.19	2.17
180x70x25x2.00	6.96	5.48	351.45	46.81	38.87	9.52	7.12	2.61
180x70x25x2.50	8.62	6.81	429.52	56.07	47.69	11.63	7.11	2.58
180x70x25x3.20	10.88	8.61	536.65	68.72	59.82	14.12	7.07	2.55
200x80x25x2.50	9.84	7.72	612.63	87.41	61.26	15.96	7.89	2.98
200x80x25x3.20	12.45	9.77	766.45	107.76	76.64	19.64	7.85	2.94
220x80x25x2.50	10.34	8.12	765.36	90.14	69.58	16.12	8.61	2.95
220x80x25x3.20	13.09	10.27	958.53	111.14	87.14	19.86	8.56	2.91
240x80x25x2.50	10.55	8.31	914.98	84.68	76.25	14.53	9.31	2.83
240x80x25x3.20	13.41	10.52	1146.37	104.16	95.53	17.86	9.25	2.79
260x80x25x2.50	11.09	8.71	1104.99	86.68	85.01	14.64	9.98	2.81

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MEDIDAS	SECCIÓN	PESO	VALORES ESTÁTICOS RELATIVOS A LOS EJES XX-YY					
	cm <sup>2</sup>	mts	I <sub>x</sub> cm <sup>4</sup>	I <sub>y</sub> cm <sup>4</sup>	W <sub>x</sub> cm <sup>3</sup>	W <sub>y</sub> cm <sup>3</sup>	i <sub>x</sub> cm	i <sub>y</sub> cm
260x80x25x3.20	14.05	11.03	1385.52	106.62	106.58	14.01	9.93	2.76
280x80x25x2.50	11.42	8.96	1137.12	89.28	78.53	15.07	10.27	2.74
280x80x25x3.20	14.38	11.28	1432.77	112.49	98.94	18.45	10.16	2.73
300x90x30x2.50	13.07	10.27	1822.16	92.02	114.12	15.02	12.03	2.72
300x90x30x3.20	16.61	13.03	2293.14	113.16	143.02	19.14	11.98	2.67

Nota: viene en chapa negra o galvanizada

