

### DESCRIPCIÓN:

Perfiles que son conformados ya sea por plegado en una prensa o mediante un proceso de perfilado continuo. Así obtenemos los perfiles U, C y Z.

### USOS:

Construcción de edificios industriales, comerciales, de servicios y en general donde se requiera la edificación de una estructura liviana de alta resistencia y rápida instalación.

### PROPIEDADES MECÁNICAS:

NORMA TÉCNICA	R	F	A
	Kg/mm <sup>2</sup>	Kg/mm <sup>2</sup>	%
ASTM A36	41 mín.	25.3 mín.	18 mín.
ASTM A1011 SS Grado 36 T1	37 mín.	25.3 mín.	18 mín.
ASTM A 1011 CS	30 mín.	-	25 mín.

### DIMENSIONES Y PROPIEDADES PARA DISEÑO:

DESIGNACIÓN	D	B	d	t	Área A	Peso	Eje Y - Y			Eje X - X			eo	X
							I	S	r	I	S	r		
							cm <sup>4</sup>	cm <sup>3</sup>	cm	cm <sup>4</sup>	cm <sup>3</sup>	cm		
C 6" X 3"	152.4	76.2	25.4	4.5	14.67	11.52	114.90	23.32	2.80	527.40	69.21	6.00	3.05	2.69
	152.4	76.2	25.4	3.0	10.08	7.91	83.39	16.96	2.88	372.60	48.89	6.08	3.20	2.70
	152.4	76.2	22.2	2.5	8.32	6.53	67.70	13.52	2.85	312.00	40.95	6.12	3.22	2.61
	152.4	76.2	19.1	2.3	7.54	5.92	59.52	11.68	2.81	284.80	37.88	6.15	3.20	2.52
	152.4	76.2	19.1	2.0	6.60	5.18	52.68	10.34	2.83	250.60	32.88	6.16	3.23	2.53
C 6" X 2"	152.4	50.8	22.2	4.5	12.10	9.50	39.49	11.38	1.81	394.40	51.76	5.71	1.81	1.61
	152.4	50.8	19.1	3.0	8.17	6.42	27.57	7.78	1.84	276.50	36.29	5.82	1.93	1.54
	152.4	50.8	19.1	2.5	6.89	5.41	23.92	6.76	1.86	235.90	30.96	5.85	1.98	1.54
	152.4	50.8	15.9	2.3	6.23	4.89	20.60	5.69	1.82	214.00	28.08	5.86	1.95	1.46
	152.4	50.8	15.9	2.0	5.45	4.28	18.37	5.07	1.84	188.70	24.76	5.88	1.98	1.46
C 5" X 2"	127.0	50.8	22.2	4.5	10.95	8.60	37.05	11.14	1.84	253.20	39.88	4.81	1.87	1.75
	127.0	50.8	19.1	3.0	7.41	5.82	25.95	7.63	1.87	179.10	28.20	4.92	1.99	1.68
	127.0	50.8	19.1	2.5	6.26	4.91	22.52	6.63	1.90	153.10	24.11	4.95	2.04	1.68
	127.0	50.8	15.9	2.3	5.64	4.43	19.43	5.58	1.86	139.20	21.92	4.97	2.02	1.60
	127.0	50.8	15.9	2.0	4.94	3.88	17.33	4.98	1.87	122.90	19.36	4.99	2.05	1.60
C 4" X 2"	101.6	50.8	22.2	4.5	9.81	7.70	34.04	10.82	1.86	147.40	29.01	3.88	1.89	1.93
	101.6	50.8	19.1	3.0	6.65	5.22	23.95	7.43	1.90	105.60	20.78	3.98	2.04	1.86
	101.6	50.8	19.1	2.5	5.62	4.41	20.80	6.46	1.92	90.55	17.82	4.01	2.09	1.86
	101.6	50.8	15.9	2.3	5.06	3.97	17.99	5.44	1.89	82.63	16.27	4.04	2.10	1.77
	101.6	50.8	15.9	2.0	4.44	3.48	16.05	4.85	1.90	73.11	14.39	4.06	2.13	1.77

### DIMENSIONES Y PROPIEDADES PARA DISEÑO:

DESIGNACIÓN	D	B	d	t	Área A	Peso	Eje Y - Y			Eje X - X			eo	X
							I	S	r	I	S	R		
	mm	mm	mm	mm	cm <sup>2</sup>	kg/m	cm <sup>4</sup>	cm <sup>3</sup>	cm	cm <sup>4</sup>	cm <sup>3</sup>	cm	cm	cm
C 3" X 2"	76.2	50.8	22.2	4.5	8.67	6.80	30.25	10.35	1.87	73.16	10.35	2.91	1.85	2.16
	76.2	50.8	19.1	3.0	5.89	4.62	21.44	7.14	1.91	53.51	7.14	3.01	2.04	2.08
	76.2	50.8	19.1	2.5	4.99	3.92	18.64	6.21	1.93	46.12	6.21	3.04	2.09	2.08
	76.2	50.8	15.9	2.3	4.47	3.51	16.18	5.23	1.90	42.38	5.23	3.08	2.14	1.99
	76.2	50.8	15.9	2.0	3.93	3.08	14.44	4.67	1.92	37.60	4.67	3.09	2.17	1.99
C 9" X 3"	228.6	76.2	25.4	4.5	18.10	14.21	131.90	24.45	2.70	1378.0	120.50	8.72	2.84	2.23
	228.6	76.2	25.4	3.0	12.36	9.70	95.55	17.73	2.78	962.8	84.23	8.82	2.99	2.23
	228.6	76.2	22.2	2.5	10.22	8.03	77.31	14.23	2.75	801.7	70.14	8.86	2.98	2.15
	228.6	76.2	19.1	2.3	9.29	7.30	67.77	12.21	2.70	729.7	63.84	8.86	2.94	2.07
	228.6	76.2	19.1	2.0	8.12	6.37	59.97	10.81	2.72	640.5	56.04	8.88	2.97	2.07
C 9" X 2"	228.6	50.8	22.2	4.5	15.53	12.19	44.67	11.83	1.70	1067.0	93.34	8.29	1.62	1.30
	228.6	50.8	19.1	3.0	10.46	8.21	31.03	8.07	1.72	736.8	64.46	8.39	1.72	1.23
	228.6	50.8	19.1	2.5	8.80	6.91	26.92	7.00	1.75	625.8	54.75	8.43	1.77	1.23
	228.6	50.8	15.9	2.3	7.98	6.26	23.08	5.89	1.70	566.3	49.54	8.42	1.72	1.16
	228.6	50.8	15.9	2.0	6.98	5.48	20.58	5.25	1.72	498.1	43.58	8.45	1.75	1.16
C 8" X 3"	203.2	76.2	25.4	4.5	16.96	13.31	127.00	24.14	2.74	1041.0	102.40	7.83	2.91	2.36
	203.2	76.2	25.4	3.0	11.60	9.11	92.03	17.52	2.82	729.4	71.79	7.93	3.07	2.37
	203.2	76.2	22.2	2.5	9.59	7.53	74.53	13.97	2.79	608.2	59.86	7.96	3.07	2.28
	203.2	76.2	19.1	2.3	8.71	6.84	65.39	12.06	2.74	553.9	54.52	7.97	3.03	2.20
	203.2	76.2	19.1	2.0	7.61	5.98	57.86	10.68	2.76	486.5	47.89	7.99	3.03	2.20
C 8" X 2"	203.2	50.8	22.2	4.5	14.38	11.29	43.22	11.71	1.73	797.6	78.50	7.45	1.69	1.39
	203.2	50.8	19.1	3.0	9.70	7.61	30.06	7.99	1.76	552.9	54.42	7.55	1.79	1.32
	203.2	50.8	19.1	2.5	8.16	6.41	26.08	6.93	1.79	470.2	46.28	7.59	1.84	1.32
	203.2	50.8	15.9	2.3	7.39	5.80	22.38	5.84	1.74	425.6	41.89	7.59	1.79	1.25
	203.2	50.8	15.9	2.0	6.47	5.08	19.95	5.21	1.76	374.7	36.88	7.61	1.82	1.25
C 7" X 3"	177.8	76.2	25.4	4.5	15.81	12.41	121.40	23.77	2.77	758.5	85.32	6.93	2.99	2.51
	177.8	76.2	25.4	3.0	10.84	8.51	88.01	17.27	2.85	533.5	60.01	7.02	3.14	2.52
	177.8	76.2	22.2	2.5	8.95	7.03	71.36	13.77	2.82	445.7	50.13	7.06	3.15	2.44
	177.8	76.2	19.1	2.3	8.13	6.38	62.67	11.89	2.78	406.3	45.70	7.06	3.12	2.35
	177.8	76.2	19.1	2.0	7.10	5.58	55.45	10.53	2.79	357.1	40.17	7.09	3.15	2.35
C 7" X 2"	177.8	50.8	22.2	4.5	13.24	10.39	41.51	11.56	1.77	574.6	64.64	6.59	1.75	1.49
	177.8	50.8	19.1	3.0	8.94	7.01	28.92	7.90	1.80	400.3	45.03	6.69	1.86	1.42
	177.8	50.8	19.1	2.5	7.53	5.91	25.09	6.86	1.83	340.9	38.34	6.73	1.91	1.42
	177.8	50.8	15.9	2.3	6.81	5.35	21.56	5.77	1.78	308.8	34.74	6.73	1.87	1.34
	177.8	50.8	15.9	2.0	5.95	4.68	19.23	5.15	1.80	272.1	30.60	6.76	1.90	1.34

## DIMENSIONES Y PROPIEDADES PARA DISEÑO:

DESIGNACIÓN	D	B	d	t	Peso	Área A	Eje Y - Y			Eje X - X			eo	X
							I	S	r	I	S	r		
							cm <sup>4</sup>	cm <sup>3</sup>	cm	cm <sup>4</sup>	cm <sup>3</sup>	cm		
C 12" X 3"	304.8	76.2	25.4	4.5	16.90	21.53	143.5	25.11	2.58	2753.0	180.60	11.31	2.61	1.91
	304.8	76.2	25.4	3.0	11.50	14.65	103.9	18.19	2.66	1912.0	125.50	11.42	2.77	1.91
	304.8	76.2	22.2	2.5	9.52	12.13	83.91	14.50	2.63	1588.0	104.20	11.44	2.75	1.83
	304.8	76.2	19.1	2.3	8.67	11.05	73.41	12.53	2.58	1444.0	94.77	11.43	2.69	1.76
	304.8	76.2	19.1	2.0	7.57	9.64	64.95	11.08	2.60	1266.0	83.09	11.46	2.72	1.76
C 12" X 2"	304.8	50.8	22.2	4.5	14.88	18.95	48.00	12.09	1.59	2190.0	143.70	10.75	1.45	1.11
	304.8	50.8	19.1	3.0	10.01	12.75	33.26	8.23	1.62	1501.0	98.48	10.85	1.53	1.04
	304.8	50.8	19.1	2.5	8.40	10.70	28.86	7.14	1.64	1271.0	83.41	10.90	1.58	1.04
	304.8	50.8	15.9	2.3	7.64	9.73	24.67	6.01	1.59	1150.0	75.47	10.87	1.53	0.98
	304.8	50.8	15.9	2.0	6.67	8.50	22.00	5.36	1.61	1010.0	66.28	10.90	1.56	0.97
C 11" X 3"	279.4	76.2	25.4	4.5	16.00	20.39	140.00	24.92	2.62	2230.0	159.60	10.46	2.69	2.00
	279.4	76.2	25.4	3.0	10.90	13.89	101.40	18.06	2.70	1552.0	111.10	10.57	2.84	2.00
	279.4	76.2	22.2	2.5	9.02	11.49	81.95	14.39	2.67	1290.0	92.32	10.59	2.82	1.93
	279.4	76.2	19.1	2.3	8.21	10.46	71.74	12.44	2.62	1173.0	83.96	10.59	2.77	1.85
	279.4	76.2	19.1	2.0	7.17	9.14	63.47	11.00	2.64	1029.0	73.64	10.61	2.80	1.85
C 11" X 2"	279.4	50.8	22.2	4.5	13.98	17.81	47.03	12.01	1.62	1759.0	125.90	9.94	1.50	1.17
	279.4	50.8	19.1	3.0	9.41	11.98	32.61	8.19	1.65	1208.0	86.49	10.04	1.59	1.10
	279.4	50.8	19.1	2.5	7.90	10.07	28.29	7.10	1.68	1024.0	73.32	10.09	1.64	1.09
	279.4	50.8	15.9	2.3	7.18	9.15	24.20	5.98	1.63	926.7	66.34	10.07	1.59	1.03
	279.4	50.8	15.9	2.0	6.27	7.99	21.58	5.33	1.64	814.2	58.28	10.09	1.62	1.03
C 10" X 3"	254.0	76.2	25.4	4.5	15.11	19.24	136.20	24.70	2.66	1773.0	139.60	9.60	2.76	2.11
	254.0	76.2	25.4	3.0	10.30	13.12	98.66	17.91	2.74	1236.0	97.32	9.70	2.92	2.11
	254.0	76.2	22.2	2.5	8.52	10.86	79.77	14.27	2.71	1028.0	80.96	9.73	2.90	2.03
	254.0	76.2	19.1	2.3	7.75	9.88	69.87	12.33	2.66	935.4	73.65	9.73	2.85	1.95
	254.0	76.2	19.1	2.0	6.77	8.63	61.82	10.91	2.68	820.7	64.62	9.75	2.88	1.95
C 10" X 2"	254.0	50.8	22.2	4.5	13.08	16.67	45.93	11.93	1.66	1386.0	109.20	9.12	1.56	1.23
	254.0	50.8	19.1	3.0	8.81	11.22	31.87	8.13	1.69	954.4	75.15	9.22	1.65	1.16
	254.0	50.8	19.1	2.5	7.41	9.43	27.65	7.05	1.71	809.8	63.76	9.26	1.70	1.16
	254.0	50.8	15.9	2.3	6.72	8.56	23.68	5.94	1.66	732.7	57.69	9.25	1.65	1.09
	254.0	50.8	15.9	2.0	5.88	7.48	21.11	5.29	1.68	644.1	50.72	9.28	1.68	1.09

