

CANAL "Z"

DE ALAS ATIESADAS

INFORMACIÓN GENERAL

DESCRIPCIÓN

Perfiles que son conformados ya sea por plegado en una prensa mediante un proceso de perfilado Continuo (Roll Forming). Así obtenemos los perfiles U, C, Z.

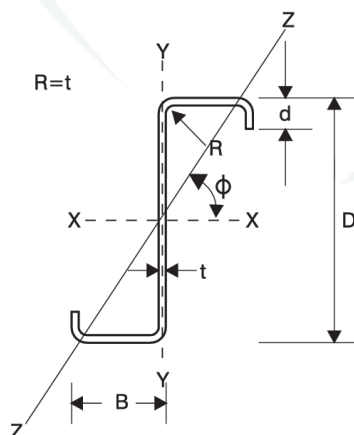
USOS

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	F	R	A
	kg/mm ²	kg/mm ²	%
ASTM A-36	25.3 mínimo	41 mínimo	18 mínimo
ASTM A-1011 SS GR 36 T1	25.3 mínimo	37 mínimo	18 mínimo
ASTM A-1011 CS	-	30 mínimo	25 mínimo



DIMENSIONES Y PROPIEDADES PARA DISEÑO

Designación	D	B	d	t	Peso	Área A	Eje X - X			Eje Y - Y			Ixy	90°- ϕ
							I	S	r	I	S	r		
	mm	mm	mm	mm	kg/m	cm ²	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm	cm	cm
Z 12" x 3"	304.8	76.2	19.0	4.5	16.45	20.95	2655.0	174.2	11.26	174.7	23.63	2.89	427.4	10,424
	304.8	76.2	19.0	3.0	11.20	14.26	1847.0	121.2	11.38	128.5	17.20	3.00	339.0	10,766
	304.8	76.2	19.0	2.5	9.40	11.97	1560.0	102.4	11.42	110.6	14.75	3.04	289.3	10,879
	304.8	76.2	19.0	2.0	7.57	9.64	1266.0	83.04	11.46	91.28	12.14	3.08	237.0	10,990
Z 12" x 2"	304.8	50.8	19.0	4.5	14.65	18.67	2140.0	140.4	10.71	56.63	11.66	1.74	225.5	6,108
	304.8	50.8	19.0	3.0	10.00	12.74	1500.0	98.41	10.85	43.22	8.77	1.84	166.4	6,435
	304.8	50.8	19.0	2.5	8.40	10.70	1270.0	83.35	10.90	37.63	7.59	1.88	143.2	6,542
	304.8	50.8	19.0	2.0	6.77	8.62	1033.0	67.76	10.94	31.43	6.31	1.91	118.3	6,649
Z 10" x 3"	254.0	76.2	19.0	4.5	14.65	18.67	1709.0	67.76	10.94	174.7	23.62	3.06	390.9	13,497
	254.0	76.2	19.0	3.0	10.00	12.47	1194.0	134.6	9.57	128.5	17.20	3.18	280.8	13,898
	254.0	76.2	19.0	2.5	8.40	10.70	1010.0	94.00	9.68	110.6	14.75	3.21	239.7	14,029
	254.0	76.2	19.0	2.0	6.77	8.62	820.3	79.53	9.72	91.28	12.14	3.25	169.4	14,160
Z 10" x 2"	254.0	50.8	19.0	4.5	12.86	16.38	1354.0	106.6	9.09	56.59	11.66	1.86	186.4	8,017
	254.0	50.8	19.0	3.0	8.80	11.22	953.7	75.10	9.22	43.21	8.76	1.96	137.6	8,410
	254.0	50.8	19.0	2.5	7.40	9.43	809.2	63.72	9.26	37.62	7.59	2.00	118.5	8,540
	254.0	50.8	19.0	2.0	5.97	7.61	659.0	51.89	9.31	31.42	6.31	2.03	97.95	8,668
Z 9" x 3"	228.6	76.2	19.0	4.5	13.76	17.52	1329.0	116.2	8.71	174.67	23.62	3.16	350.2	15,626
	228.6	76.2	19.0	3.0	9.40	11.98	930.2	81.38	8.81	128.5	17.20	3.28	251.7	16,062
	228.6	76.2	19.0	2.5	7.90	10.06	787.6	68.91	8.85	110.6	14.75	3.31	214.9	16,205
	228.6	76.2	19.0	2.0	6.37	8.12	640.2	56.01	8.88	91.27	12.14	3.35	176.1	16,346

Designación	D	B	d	t	Peso	Área A	Eje X - X			Eje Y - Y			Ixy	90° - ϕ
							l	S	r	l	S	r		
	mm	mm	mm	mm	kg/m	cm ²	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm	cm	cm
Z 9" x 2"	228.6	50.8	19.0	4.5	11.96	15.24	1042.0	91.13	8.27	56.57	11.65	1.93	166.8	9,354
	228.6	50.8	19.0	3.0	8.21	10.45	736.3	64.41	8.39	43.21	8.76	2.03	123.3	9,790
	228.6	50.8	19.0	2.5	6.90	8.79	625.3	54.71	8.43	37.62	7.59	2.07	106.2	9,933
	228.6	50.8	19.0	2.0	5.57	7.10	509.7	44.60	8.47	31.42	6.31	2.10	87.75	10,075
Z 8" x 3"	203.2	76.2	19.0	4.5	12.86	16.38	1004.0	98.85	7.83	174.7	23.62	3.27	309.4	18,359
	203.2	76.2	19.0	3.0	8.80	11.22	705.2	69.41	7.93	43.21	17.20	3.28	222.6	18,832
	203.2	76.2	19.0	2.5	7.40	9.43	597.7	58.83	7.96	37.62	14.75	3.42	190.1	18,986
	203.2	76.2	19.0	2.0	5.97	7.61	486.3	47.86	7.99	31.42	12.14	3.46	155.9	19,139
Z 8" x 2"	203.2	50.8	19.0	4.5	11.06	14.09	778.7	76.64	7.43	56.55	11.65	2.00	147.2	11,091
	203.2	50.8	19.0	3.0	7.61	9.69	552.5	54.38	7.55	43.20	8.76	2.11	108.9	11,575
	203.2	50.8	19.0	2.5	6.40	8.16	469.8	46.24	7.59	37.61	7.59	2.15	93.82	11,734
	203.2	50.8	19.0	2.0	5.18	6.59	383.4	37.74	7.63	31.42	6.31	2.18	77.56	11,891
Z 7" x 3"	177.8	76.2	19.0	4.5	11.96	15.24	732.9	82.44	6.94	174.60	23.62	3.39	268.70	21,995
	177.8	76.2	19.0	3.0	8.21	10.45	516.4	58.09	7.03	128.50	17.20	3.51	193.50	22,464
	177.8	76.2	19.0	2.5	6.90	8.79	438.2	49.29	7.06	110.55	14.57	3.55	165.30	22,630
	177.8	76.2	19.0	2.0	5.57	7.10	356.9	40.16	7.09	91.27	12.14	3.59	135.60	22,794
Z 7" x 2"	177.8	50.8	19.0	4.5	10.17	12.92	561.2	63.13	6.58	56.53	11.64	2.09	127.60	13,415
	177.8	50.8	19.0	3.0	7.01	8.93	400.0	44.99	6.69	43.19	8.76	2.20	94.51	13,956
	177.8	50.8	19.0	2.5	5.90	7.52	340.6	38.32	6.73	37.61	7.59	2.24	81.46	14,133
	177.8	50.8	19.0	2.0	4.78	6.08	278.4	31.32	6.76	31.42	6.31	2.27	67.37	14,308

Designación	D	B	d	t	Peso	Área A	Eje X - X			Eje Y - Y			Ixy	90° - ϕ
							l	S	r	l	S	r		
	mm	mm	mm	mm	kg/m	cm ²	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm	cm	cm
Z 6" x 3"	152.4	76.2	19.0	4.5	11.06	14.09	510.6	67.00	6.02	174.61	23.61	3.52	228.00	26,807
	152.4	76.2	19.0	3.0	7.61	9.69	361.4	47.42	6.11	128.50	17.20	3.64	164.40	27,344
	152.4	76.2	19.0	2.5	6.40	8.16	307.1	40.30	6.13	110.54	14.75	3.68	140.50	27,519
	152.4	76.2	19.0	2.0	5.18	6.59	250.4	32.87	6.16	91.27	12.14	3.72	115.30	27,691
Z 6" x 2"	152.4	50.8	19.0	4.5	9.27	11.81	385.5	50.59	5.71	56.51	11.64	2.19	108.04	16,648
	152.4	50.8	19.0	3.0	6.41	8.17	276.3	36.26	5.82	43.19	8.76	2.30	80.13	17,254
	152.4	50.8	19.0	2.5	5.41	6.89	235.7	30.93	5.85	37.61	7.59	2.34	69.10	17,451
	152.4	50.8	19.0	2.0	4.38	5.58	193.0	25.33	5.88	31.42	6.31	2.37	57.18	17,646
Z 5" x 2"	127.0	50.8	19.0	4.5	8.37	10.67	247.9	39.04	4.82	56.49	11.64	2.30	88.46	21,372
	127.0	50.8	19.0	3.0	5.81	7.41	179.0	28.18	4.92	43.18	8.76	2.41	65.76	22,043
	127.0	50.8	19.0	2.5	4.91	6.25	153.0	24.10	4.95	37.60	7.59	2.45	56.75	22,260
	127.0	50.8	19.0	2.0	3.98	5.07	125.6	19.77	4.98	31.41	6.31	2.49	46.99	22,474
Z 4" x 2"	101.6	50.8	19.0	4.5	7.48	9.52	144.7	28.49	3.90	56.47	11.63	2.44	68.88	28,675
	101.6	50.8	19.0	3.0	5.22	6.64	105.5	20.77	3.98	43.18	8.76	2.55	51.38	29,379
	101.6	50.8	19.0	2.5	4.41	5.62	90.50	17.81	4.01	37.60	7.59	2.59	44.39	29,606
	101.6	50.8	19.0	2.0	3.58	4.56	74.49	14.66	4.04	31.41	6.31	2.62	36.79	29,829
Z 3" x 2"	76.2	50.8	19.0	4.5	6.58	8.38	72.28	18.97	2.94	56.45	11.63	2.60	49.30	40,441
	76.2	50.8	19.0	3.0	4.62	5.88	53.49	14.04	3.02	43.17	8.76	2.71	37.00	41,030
	76.2	50.8	19.0	2.5	3.91	4.98	46.10	12.10	3.04	37.60	7.59	2.75	32.03	41,218
	76.2	50.8	19.0	2.0	3.18	4.05	38.13	10.01	3.07	31.41	6.31	2.78	26.60	41,403
Z 3" x 1 1/2"	76.2	38.1	16.0	3.0	3.88	4.94	42.51	11.16	2.93	17.93	4.90	1.91	20.97	29,814
	76.2	38.1	16.0	2.5	3.30	4.20	36.84	9.67	2.96	15.84	4.30	1.94	18.34	30,108
	76.2	38.1	16.0	2.0	2.69	3.42	30.63	8.04	2.99	13.42	3.62	1.98	15.38	30,395