

CANAL "U"

DE ALAS NO ATIESADAS

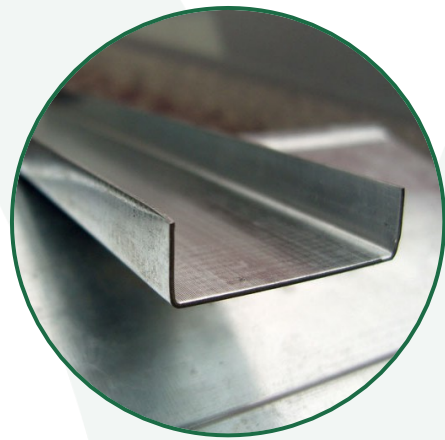
INFORMACIÓN GENERAL

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.

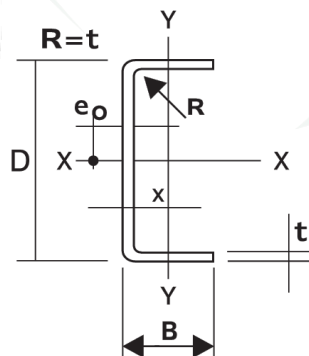
USOS

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 TI	25.3 mínimo	37 mínimo	18 mínimo
ASTM A-1011 CS	-	30 mínimo	25 mínimo



DIMENSIONES Y PROPIEDADES PARA DISEÑO

Designación	D	B	t	Peso	Área A	Eje X - X			Eje Y - Y			x	eo
						I	S	r	I	S	r		
	mm	mm	mm	kg/m	cm ²	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm	cm	cm
U 6" x 3"	152.4	76.2	4.5	10.24	13.05	470.9	61.80	6.01	74.98	13.61	2.40	2.11	2.55
	152.4	76.2	3.0	6.95	8.85	327.0	42.91	6.08	51.71	9.27	2.42	2.04	2.65
	152.4	76.2	2.5	5.82	7.41	276.2	36.24	6.10	43.58	7.78	2.42	2.02	2.69
	152.4	76.2	2.3	5.37	6.84	255.4	33.52	6.11	40.28	7.18	2.43	2.01	2.70
	152.4	76.2	2.0	4.68	5.96	223.9	29.38	6.13	35.26	6.27	2.43	2.00	2.72
U 6" x 2"	152.4	50.8	4.5	8.45	10376	345.9	45.39	5.67	23.96	6.19	1.49	1.21	1.39
	152.4	50.8	3.0	5.75	7.32	241.9	31.75	5.75	16.73	4.25	1.51	1.15	1.49
	152.4	50.8	2.5	4.82	6.14	204.8	26.88	5.77	14.16	3.58	1.52	1.12	1.52
	152.4	50.8	2.3	4.45	5.67	189.6	34.88	5.78	13.11	3.31	1.52	1.12	1.54
	152.4	50.8	2.0	3.88	4.95	166.4	21.84	5.80	11.50	2.89	1.52	1.10	1.56
U 5" x 2"	127.0	50.8	4.5	7.55	9.62	223.0	35.12	4.81	22.70	6.05	1.54	1.33	1.48
	127.0	50.8	3.0	5.15	6.56	156.9	24.71	4.89	15.88	4.16	1.56	1.26	1.59
	127.0	50.8	2.5	4.32	5.51	133.1	20.96	4.91	13.45	3.50	1.56	1.24	1.62
	127.0	50.8	2.3	3.99	5.08	123.3	19.42	4.92	12.45	3.23	1.57	1.23	1.63
	127.0	50.8	2.0	3.49	4.44	108.3	17.06	4.94	10.93	2.83	1.57	1.22	1.66
U 4" x 2"	101.6	50.8	4.5	6.66	8.48	131.1	25.81	3.93	21.10	5.86	1.58	1.48	1.60
	101.6	50.8	3.0	4.55	5.80	93.02	18.31	4.00	14.81	4.03	1.60	1.41	1.70
	101.6	50.8	2.5	3.83	4.87	79.12	15.57	4.03	12.55	3.40	1.60	1.38	1.73
	101.6	50.8	2.3	3.53	4.50	73.38	14.44	4.04	11.63	3.14	1.61	1.38	1.75
	101.6	50.8	2.0	3.09	3.93	64.59	12.71	4.05	10.21	2.75	1.61	1.36	1.77

Designación	D	B	t	Peso	Área A	Eje X - X			Eje Y - Y			x	eo
						I	S	r	I	S	r		
	mm	mm	mm	kg/m	cm ²	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm	cm	cm
U 3" x 1 1/2"	76.2	38.1	4.5	4.86	6.19	51.89	13.62	2.98	8.45	3.19	1.17	1.16	1.12
	76.2	38.1	3.0	3.36	4.28	37.66	9.88	2.97	6.04	2.22	1.19	1.09	1.22
	76.2	38.1	2.5	2.83	3.60	32.26	8.47	2.99	5.15	1.88	1.20	1.07	1.26
	76.2	38.1	2.3	2.62	3.33	30.01	7.88	3.00	4.78	1.74	1.20	1.06	1.27
	76.2	38.1	2.0	2.29	2.92	26.52	6.96	3.02	4.21	1.52	1.20	1.04	1.29
U 2" x 1"	50.8	25.4	3.0	2.16	2.75	10.25	4.04	1.93	1.67	0.95	0.78	0.77	0.75
	50.8	25.4	2.5	1.83	2.33	8.92	3.51	1.95	1.44	0.80	0.79	0.75	0.78
	50.8	25.4	2.3	1.70	2.16	8.34	3.28	1.96	1.34	0.75	0.79	0.74	0.79
	50.8	25.4	2.0	1.49	1.90	7.44	2.93	1.98	1.19	0.66	0.79	0.73	0.82
U 9" x 3"	228.6	76.2	4.5	12.94	16.48	1225	107.1	8.62	84.70	14.35	2.27	1.72	2.23
	228.6	76.2	3.0	8.74	11.13	842.5	73.71	8.70	58.24	9.76	2.29	1.65	2.33
	228.6	76.2	2.5	7.32	9.32	709.4	62.07	8.72	49.03	8.19	2.29	1.63	2.37
	228.6	76.2	2.3	6.74	8.59	655.4	57.34	8.74	45.29	7.55	2.30	1.62	2.38
	228.6	76.2	2.0	5.88	7.49	573.4	50.17	8.75	39.63	6.59	2.30	1.61	2.40
U 9" x 2"	228.6	50.8	4.5	11.14	14.19	937.7	82.04	8.13	26.55	6.47	1.37	0.97	1.15
	228.6	50.8	3.0	7.54	9.61	648.6	56.75	8.22	18.48	4.43	1.39	0.91	1.25
	228.6	50.8	2.5	6.32	8.05	547.1	47.87	8.24	15.62	3.73	1.39	0.89	1.28
	228.6	50.8	2.3	5.83	7.42	505.8	44.25	8.26	14.46	3.44	1.40	0.88	1.30
	228.6	50.8	2.0	5.08	6.47	443.0	38.76	8.27	12.68	3.01	1.40	0.87	1.32
U 8" x 3"	203.2	76.2	4.5	12.04	15.34	925.2	91.06	7.77	81.94	14.15	2.31	1.83	2.33
	203.2	76.2	3.0	8.14	10.37	638.0	62.80	7.84	56.38	9.63	2.33	1.76	2.43
	203.2	76.2	2.5	6.82	6.68	537.7	52.92	7.87	47.48	8.08	2.34	1.74	2.47
	203.2	76.2	2.3	6.28	8.00	496.9	48.90	7.88	43.87	7.45	2.34	1.73	2.48
	203.2	76.2	2.0	5.48	6.98	434.9	42.81	7.89	38.39	6.51	2.34	1.72	2.50

Designación	D	B	t	Peso	Área A	Eje X - X			Eje Y - Y			x	eo
						I	S	r	I	S	r		
	mm	mm	mm	kg/m	cm ²	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm	cm	cm
U 8" x 2"	203.2	50.8	4.5	10.24	13.05	699.5	68.85	7.32	25.84	6.39	1.41	1.04	1.22
	203.2	50.8	3.0	6.95	8.85	485.3	47.77	7.41	17.99	4.38	1.43	0.97	1.32
	203.2	50.8	2.5	5.82	7.41	409.8	40.33	7.43	15.22	3.69	1.43	0.95	1.35
	203.2	50.8	2.3	5.37	6.84	379.0	37.30	7.45	14.08	3.41	1.44	0.94	1.37
	203.2	50.8	2.0	4.68	5.96	332.1	32.69	7.46	12.35	2.98	1.44	0.93	1.39
U 7" x 3"	177.8	76.2	4.5	11.14	14.19	675.2	75.95	6.90	78.74	13.91	2.36	1.96	2.43
	177.8	76.2	3.0	7.54	9.61	467.0	52.53	6.97	54.23	9.47	2.38	1.89	2.54
	177.8	76.2	2.5	6.32	8.05	393.9	44.31	7.00	45.68	7.95	2.38	1.87	2.57
	177.8	76.2	2.3	5.83	7.42	364.1	40.96	7.01	42.21	7.33	2.39	1.86	2.59
	177.8	76.2	2.0	5.08	6.47	319.0	35.88	7.02	36.95	6.40	2.39	1.85	2.61
U 7" x 2"	177.8	50.8	4.5	9.35	11.91	503.5	56.64	6.50	24.99	6.31	1.45	1.12	1.30
	177.8	50.8	3.0	6.35	8.09	350.5	39.44	6.58	17.42	4.33	1.47	1.05	1.40
	177.8	50.8	2.5	5.32	6.78	296.4	33.34	6.61	14.74	3.64	1.47	1.03	1.43
	177.8	50.8	2.3	4.91	6.25	274.2	30.84	6.62	13.64	3.36	1.48	1.02	1.45
	177.8	50.8	2.0	4.28	5.46	240.5	27.05	6.64	11.97	2.94	1.48	1.01	1.47
U 12" x 3"	304.8	76.2	4.5	15.63	19.91	2457	161.20	11.11	91.10	14.79	2.14	1.46	1.98
	304.8	76.2	3.0	10.53	13.42	1681	110.30	11.19	62.54	10.05	2.16	1.40	2.08
	304.8	76.2	2.5	8.81	11.22	1413	92.73	11.22	52.63	8.43	2.17	1.38	2.12
	304.8	76.2	2.3	8.12	10.34	1305	85.61	11.23	48.61	7.78	2.17	1.37	2.13
	304.8	76.2	2.0	7.07	9.01	1140	74.83	11.25	42.52	6.79	2.17	1.36	2.15
U 12" x 2"	304.8	50.8	4.5	13.83	17.62	1942	127.40	10.50	28.16	6.62	1.26	0.83	0.97
	304.8	50.8	3.0	9.34	11.90	1334	87.55	10.59	19.56	4.53	1.28	0.76	1.07
	304.8	50.8	2.5	7.81	9.95	1123	73.69	10.62	16.53	3.81	1.29	0.74	1.10
	304.8	50.8	2.3	7.20	9.17	1037	68.07	10.63	15.29	3.52	1.29	0.73	1.12
	304.8	50.8	2.0	6.28	8.00	907.5	59.55	10.65	13.41	3.08	1.29	0.72	1.14

Designación	D	B	t	Peso	Área A	Eje X - X			Eje Y - Y			x	eo
						I	S	r	I	S	r		
	mm	mm	mm	kg/m	cm ²	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm	cm	cm
U 11" x 3"	279.4	76.2	4.5	14.73	18.77	1987	142.20	10.29	89.22	14.67	2.18	1.54	2.06
	279.4	76.2	3.0	9.94	12.66	1362	97.47	10.37	61.28	9.97	2.20	1.47	2.16
	279.4	76.2	2.5	8.31	10.59	1145	81.97	10.40	51.58	8.36	2.21	1.45	2.19
	279.4	76.2	2.3	7.66	9.76	1057	75.69	10.41	47.64	7.71	2.21	1.44	2.21
	279.4	76.2	2.0	6.68	8.50	924.5	66.18	10.43	41.68	6.73	2.21	1.43	2.23
U 11" x 2"	279.4	50.8	4.5	12.94	16.48	1555	111.30	9.71	27.69	6.58	1.30	0.87	1.02
	279.4	50.8	3.0	8.74	11.13	1071	76.64	9.81	19.25	4.50	1.31	0.81	1.12
	279.4	50.8	2.5	7.32	9.32	901.7	64.55	9.84	16.27	3.79	1.32	0.78	1.16
	279.4	50.8	2.3	6.74	8.59	833.1	59.64	9.85	15.05	3.50	1.32	0.78	1.17
	279.4	50.8	2.0	5.88	7.49	729.0	52.19	9.87	13.20	3.06	1.33	0.76	1.19
U 10" x 3"	254	76.2	4.5	13.83	17.62	1577	124.20	9.46	87.11	14.52	2.22	1.62	2.14
	254	76.2	3.0	9.34	11.90	1083	85.27	9.54	59.85	9.87	2.24	1.56	2.24
	254	76.2	2.5	7.81	9.95	911.2	71.75	9.57	50.39	8.28	2.25	1.54	2.28
	254	76.2	2.3	7.20	9.17	841.6	66.27	9.58	46.54	7.64	2.25	1.53	2.29
	254	76.2	2.0	6.28	8.00	736.1	57.96	9.59	40.72	6.67	2.26	1.51	2.31
U 10" x 2"	254	50.8	4.5	12.04	15.34	1222	96.19	8.92	27.17	6.53	1.33	0.92	1.08
	254	50.8	3.0	8.14	10.37	842.9	66.37	9.01	18.89	4.47	1.35	0.85	1.18
	254	50.8	2.5	6.82	8.68	710.4	55.94	9.04	15.97	3.76	1.36	0.83	1.22
	254	50.8	2.3	6.28	8.00	656.5	51.70	9.06	14.77	3.47	1.36	0.82	1.23
	254	50.8	2.0	5.48	6.98	574.8	45.26	9.07	12.96	3.04	1.36	0.81	1.25