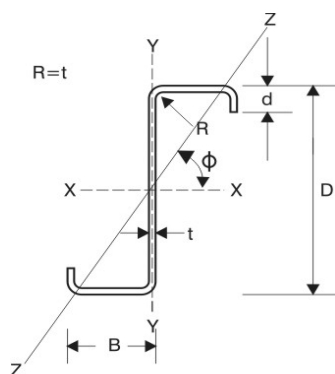


**DIMENSIONES Y PROPIEDADES PARA DISEÑO**

Designación	D	B	d	t	Peso	Area (A)	Eje X - X			Eje Y - Y			I <sub>xy</sub>	90° ϕ
							I	S	r	I	S	r		
	mm	mm	mm	mm	Kg/m	cm <sup>2</sup>	cm <sup>4</sup>	cm <sup>3</sup>	cm	cm <sup>4</sup>	cm <sup>3</sup>	cm	cm <sup>4</sup>	grados
Z 12" X 13"	304.8	76.2	19	4.5	16.45	20.95	2655	174.2	11.26	174.7	23.63	2.89	472.4	10.424
	304.8	76.2	19	3	11.2	14.26	1847	121.2	11.38	128.5	17.2	3	339	10.766
	304.8	76.2	19	2.5	9.4	11.97	1560	102.4	11.42	110.6	14.75	3.04	289.3	10.879
	304.8	76.2	19	2	7.57	9.64	1266	83.04	11.46	91.28	12.14	3.08	237	10.99
Z 12" X 2"	304.8	50.8	19	4.5	14.65	18.67	2140	140.4	10.71	56.63	11.66	1.74	225.5	6.108
	304.8	50.8	19	3	10	12.75	1500	98.41	10.85	43.22	8.77	1.84	166.4	6.435
	304.8	50.8	19	2.5	8.4	10.7	1270	83.35	10.9	37.63	7.59	1.88	143.2	6.542
	304.8	50.8	19	2	6.77	8.62	1033	67.76	10.94	31.43	6.31	1.91	118.3	6.649
Z 10" X 3"	254	76.2	19	4.5	14.65	18.67	1709	134.6	9.57	174.7	23.62	3.06	390.9	13.497
	254	76.2	19	3	10	12.74	1194	94	9.68	128.5	17.2	3.18	280.8	13.898
	254	76.2	19	2.5	8.4	10.7	1010	79.53	9.72	110.6	14.75	3.21	239.7	14.028
	254	76.2	19	2	6.77	8.62	820.3	65.59	9.75	91.28	12.14	3.25	196.4	14.16
Z 10" X 2"	254	50.8	19	4.5	12.86	16.38	1354	106.6	9.09	56.59	11.66	1.86	186.4	8.017
	254	50.8	19	3	8.8	11.22	953.7	75.1	9.22	43.21	8.76	1.96	137.6	8.41
	254	50.8	19	2.5	7.4	9.43	809.2	63.72	9.26	37.62	7.59	2	118.5	8.54
	254	50.8	19	2	5.97	7.61	659	51.89	9.31	31.42	6.31	2.03	97.95	8.668
Z 9" X 3"	228.6	76.2	19	4.5	13.76	17.52	1329	116.2	8.71	174.67	23.62	3.16	350.2	15.626
	228.6	76.2	19	3	9.4	11.98	930.2	81.38	8.81	128.5	17.2	3.28	251.7	16.062
	228.6	76.2	19	2.5	7.9	10.06	787.6	86.91	8.85	110.6	14.75	3.31	214.9	16.205
	228.6	76.2	19	2	6.37	8.12	640.2	56.01	8.88	91.27	12.14	3.35	176.1	16.346
Z 9" X 2"	228.6	50.8	19	4.5	11.96	15.24	1042	91.13	8.27	56.57	11.65	1.93	166.8	9.354
	228.6	50.8	19	3	8.21	10.45	736.3	64.41	8.39	43.21	8.76	2.03	123.3	9.79
	228.6	50.8	19	2.5	6.9	8.79	625.3	54.71	8.43	37.62	7.59	2.07	106.2	9.933
	228.6	50.8	19	2	5.57	7.1	509.7	44.6	8.47	31.42	6.31	2.1	87.75	10.075
Z 8" X 3"	203.2	76.2	19	4.5	12.86	16.38	1004	98.85	7.83	174.7	23.62	3.27	309.4	18.359
	203.2	76.2	19	3	8.8	11.22	705.2	69.41	7.93	43.21	17.2	3.28	222.6	18.832
	203.2	76.2	19	2.5	7.4	9.43	597.7	58.83	7.96	37.62	14.75	3.42	190.1	18.986
	203.2	76.2	19	2	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	4.5	11.06	14.09	778.7	76.64	7.43	56.55	11.65	2	147.2	11.091
	203.2	50.8	19	3	7.61	9.69	552.5	54.38	7.55	43.2	8.76	2.11	108.9	11.575
	203.2	50.8	19	2.5	6.4	8.16	469.8	46.24	7.59	37.61	7.59	2.15	93.82	11.734
	203.2	50.8	19	2	5.18	6.59	383.4	37.74	7.63	37.42	6.31	2.18	77.56	11.891



### DIMENSIONES Y PROPIEDADES PARA DISEÑO

Designación	D	B	d	t	Peso	Area (A)	Eje X - X			Eje Y - Y			I <sub>xy</sub>	90° ϕ
							I	S	r	I	S	r		
	mm	mm	mm	mm	Kg/m	cm <sup>2</sup>	cm <sup>4</sup>	cm <sup>3</sup>	cm	cm <sup>4</sup>	cm <sup>3</sup>	cm	cm <sup>4</sup>	grados
Z 7" X 3"	177.8	76.2	19	4.5	11.96	15.24	732.9	82.44	6.94	174.6	23.62	3.39	268.7	21.995
	177.8	76.2	19	3	8.21	10.45	516.4	58.09	7.03	128.5	17.2	3.51	193.5	22.464
	177.8	76.2	19	2.5	6.9	8.79	438.2	49.29	7.06	110.55	14.75	3.55	165.3	22.63
	177.8	76.2	19	2	5.57	7.1	356.9	40.16	7.09	91.27	12.14	3.59	135.6	22.794
Z 7" X 2"	177.8	50.8	19	4.5	10.17	12.92	561.2	63.13	6.58	56.53	11.64	2.09	127.6	13.415
	177.8	50.8	19	3	7.04	8.93	400	44.99	6.69	43.19	8.76	2.2	94.51	13.956
	177.8	50.8	19	2.5	5.91	7.52	340.6	38.32	6.73	37.61	7.59	2.24	81.46	14.133
	177.8	50.8	19	2	4.78	6.08	278.4	31.32	6.76	31.42	6.31	2.27	67.37	14.308
Z 6" X 3"	152.4	76.2	19	4.5	11.06	14.09	510.6	67	6.02	174.61	23.61	3.52	228	26.807
	152.4	76.2	19	3	7.61	9.69	361.4	47.42	6.11	128.5	17.2	3.64	164.4	27.344
	152.4	76.2	19	2.5	6.4	8.16	307.1	40.3	6.13	110.54	14.75	3.68	140.5	27.519
	152.4	76.2	19	2	5.18	6.59	250.4	32.87	6.16	91.27	12.14	3.72	115.3	27.691
Z 6" X 2"	152.4	50.8	19	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	3	6.41	8.17	276.3	36.26	5.82	43.19	8.76	2.3	80.13	17.254
	152.4	50.8	19	2.5	5.41	6.89	235.7	30.93	5.85	37.61	7.59	2.34	69.1	17.451
	152.4	50.8	19	2	4.38	5.58	193	25.33	5.88	31.42	6.31	2.37	57.18	17.646
Z 5" X 2"	127	50.8	19	4.5	8.37	10.67	247.9	39.04	4.82	56.49	11.64	2.3	88.46	21.372
	127	50.8	19	3	5.81	7.41	179	28.18	4.92	43.18	8.76	2.41	65.76	22.043
	127	50.8	19	2.5	4.91	6.25	153	24.1	4.95	37.6	7.59	2.45	56.75	22.26
	127	50.8	19	2	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	4.5	7.48	9.52	144.7	28.49	3.9	56.47	11.63	2.44	68.88	28.675
	101.6	50.8	19	3	5.22	6.64	105.5	20.77	3.98	43.18	8.76	2.55	51.39	29.379
	101.6	50.8	19	2.5	4.41	5.62	90.5	17.81	4.01	37.6	7.59	2.59	44.39	29.606
	101.6	50.8	19	2	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	4.5	6.58	8.38	72.28	18.97	2.94	56.45	11.63	2.6	49.3	40.441
	76.2	50.8	19	3	4.62	5.88	53.49	14.04	3.02	43.17	8.76	2.71	37	41.03
	76.2	50.8	19	2.5	3.91	4.98	46.1	12.1	3.04	37.6	7.59	2.75	32.03	41.218
	76.2	50.8	19	2	3.18	4.05	38.13	10.01	3.07	31.41	6.31	2.78	26.6	41.403
Z 3" X 1 1/2"	76.2	38.1	19	3	3.88	4.394	42.51	11.16	2.93	17.93	4.9	1.91	20.97	29.814
	76.2	38.1	19	2.5	3.3	4.2	36.84	9.67	2.96	15.84	4.3	1.94	18.34	30.108
	76.2	38.1	19	2	2.69	3.42	30.63	8.04	2.99	13.42	3.62	1.98	15.38	30.395

Longitud Comercial : 6 mts. - Otros largos Consultar con su Representante de Venta.