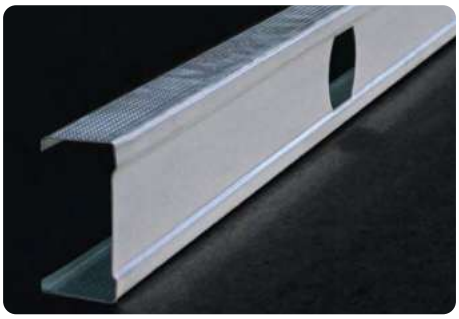
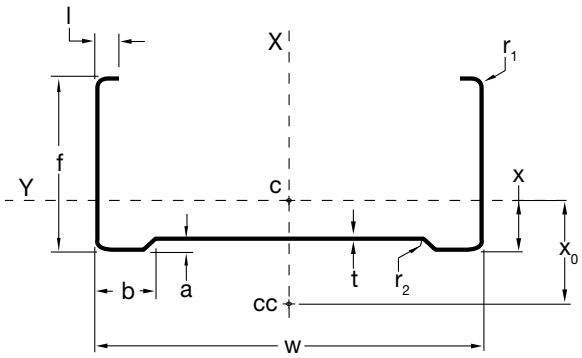
Perfilería Liviana en Acero Galvanizado
para sistemas de paredes livianas y cielos

STUD (POSTE)



Uso vertical, para la fijación de los paneles de cerramiento.
Se colocan a cada 40.5cm (16") o a 61cm (24") según el diseño de la pared y de la lámina que se utilice como cerramiento.



Especificación Técnica

	Dimensiones (mm)								Propiedades de sección								Propiedades a torsión				
STUD	w	f	t	r_1	r_2	a	b	l	Area (cm^2)	Masa(g/cm)	I_x (cm^4)	S_x (cm^3)	r_x(cm)	I_y (cm^4)	$_{min}S_y$ (cm^3)	r_y (cm)	x (cm)	J (cm^4)	C_w (cm^6)	$-x_0$ (cm)	r_0 (cm)
1-5/8" x 1-1/4" x 0.40	41.3	31.8	0.40	2.0	0.5	2.0	12.0	4.74	0.4449	3.4963	1.3521	0.6548	1.7434	0.5503	0.2719	1.1122	1.1563	0.00029820	1.9982	2.4306	3.1913
1-5/8" x 1-1/4" x 0.44	41.3	31.8	0.44	2.0	0.5	2.0	12.0	4.74	0.4888	3.8415	1.4829	0.7181	1.7418	0.6028	0.2979	1.1106	1.1564	0.00040618	2.1834	2.4257	3.1861
1-5/8" x 1-1/4" x 0.50	41.3	31.8	0.50	2.0	0.5	2.0	12.0	4.74	0.5545	4.3577	1.6776	0.8124	1.7395	0.6809	0.3365	1.1081	1.1567	0.00068658	2.4563	2.4184	3.1784
1-5/8" x 1-1/4" x 0.70	41.3	31.8	0.70	2.0	0.5	2.0	12.0	4.74	0.7717	6.0653	2.3141	1.1206	1.7317	0.9339	0.4617	1.1000	1.1576	0.00131150	3.3265	2.3943	3.1530
1-5/8" x 1-1/4" x 0.80	41.3	31.8	0.80	2.0	0.5	2.0	12.0	4.74	0.8794	6.9114	2.6251	1.2712	1.7278	1.0563	0.5224	1.0960	1.1580	0.00193030	3.7387	2.3821	3.1402
1-5/8" x 1-1/4" x 0.90	41.3	31.8	0.90	2.0	0.5	2.0	12.0	4.74	0.9864	7.7525	2.9313	1.4195	1.7239	1.1762	0.5818	1.0920	1.1584	0.00281150	4.1360	2.3698	3.1273
2-1/2" x 1-1/4" x 0.40	63.5	31.8	0.40	2.0	0.5	2.0	12.0	4.74	0.5338	4.1950	3.5519	1.1187	2.5797	0.6153	0.2823	1.0736	1.0003	0.00039437	5.0538	2.0722	3.4787
2-1/2" x 1-1/4" x 0.44	63.5	31.8	0.44	2.0	0.5	2.0	12.0	4.74	0.5865	4.6099	3.8983	1.2278	2.5780	0.6740	0.3093	1.0720	1.0007	0.00048040	5.5280	2.0679	3.4744
2-1/2" x 1-1/4" x 0.50	63.5	31.8	0.50	2.0	0.5	2.0	12.0	4.74	0.6655	5.2308	4.4149	1.3905	2.5756	0.7612	0.3494	1.0695	1.0012	0.00070192	6.2288	2.0613	3.4679
2-1/2" x 1-1/4" x 0.70	63.5	31.8	0.70	2.0	0.5	2.0	12.0	4.74	0.9272	7.2874	6.1116	1.9249	2.5674	1.0441	0.4796	1.0612	1.0028	0.00162420	8.4775	2.0392	3.4461
2-1/2" x 1-1/4" x 0.80	63.5	31.8	0.80	2.0	0.5	2.0	12.0	4.74	1.0571	8.3080	6.9453	2.1875	2.5633	1.1810	0.5427	1.0570	1.0037	0.00231450	9.5525	2.0283	3.4353
2-1/2" x 1-1/4" x 0.90	63.5	31.8	0.90	2.0	0.5	2.0	12.0	4.74	1.1863	9.3236	7.7694	2.4471	2.5592	1.3150	0.6045	1.0529	1.0045	0.00332240	10.5950	2.0172	3.4245
3" x 1-1/4" x 0.40	76.2	31.8	0.40	2.0	0.5	2.0	12.0	4.74	0.5845	4.5942	5.3877	1.4141	3.0359	0.6435	0.2863	1.0492	0.9325	0.00063465	7.5469	1.9226	3.7435
3" x 1-1/4" x 0.70	76.2	31.8	0.70	2.0	0.5	2.0	12.0	4.74	1.0161	7.9861	9.2868	2.4375	3.0232	1.0919	0.4865	1.0366	0.9357	0.00161140	12.6890	1.8913	3.7137
3" x 1-1/4" x 0.80	76.2	31.8	0.80	2.0	0.5	2.0	12.0	4.74	1.1587	9.1066	10.5600	2.7717	3.0189	1.2351	0.5506	1.0325	0.9367	0.00251720	14.3080	1.8807	3.7036
3" x 1-1/4" x 0.90	76.2	31.8	0.90	2.0	0.5	2.0	12.0	4.74	1.3006	10.2220	11.8200	3.1024	3.0147	1.3753	0.6133	1.0283	0.9378	0.00373800	15.8810	1.8703	3.6937
3-5/8" x 1-1/4" x 0.40	92.1	31.8	0.40	2.0	0.5	2.0	12.0	4.74	0.6478	5.0916	8.3515	1.8136	3.5905	0.6725	0.2902	1.0188	0.8629	0.00072267	11.4770	1.7697	4.1305
3-5/8" x 1-1/4" x 0.44	92.1	31.8	0.44	2.0	0.5	2.0	12.0	4.74	0.7124	5.5990	9.1744	1.9923	3.5887	0.7369	0.3180	1.0170	0.8631	0.00023791	12.5680	1.7649	4.1265
3-5/8" x 1-1/4" x 0.50	92.1	31.8	0.50	2.0	0.5	2.0	12.0	4.74	0.8085	6.3547	10.3970	2.2578	3.5860	0.8322	0.3593	1.0145	0.8639	0.00108920	14.1720	1.7589	4.1210
3-5/8" x 1-1/4" x 0.70	92.1	31.8	0.70	2.0	0.5	2.0	12.0	4.74	1.1274	8.8608	14.4260	3.1326	3.5771	1.1412	0.4933	1.0061	0.8665	0.00169300	19.3420	1.7392	4.1028
3-5/8" x 1-1/4" x 0.80	92.1	31.8	0.80	2.0	0.5	2.0	12.0	4.74	1.2859	10.1060	16.4120	3.5640	3.5726	1.2908	0.5583	1.0019	0.8678	0.00294390	21.8230	1.7293	4.0936
3-5/8" x 1-1/4" x 0.90	92.1	31.8	0.90	2.0	0.5	2.0	12.0	4.74	1.4437	11.3470	18.3810	3.9915	3.5682	1.4372	0.6219	0.9978	0.8691	0.00436340	24.2380	1.7194	4.0846
4" x 1-1/4" x 0.40	101.6	31.8	0.40	2.0	0.5	2.0	12.0	4.74	0.6858	5.3903	10.5090	2.0688	3.9145	0.6873	0.2921	1.0011	0.8273	0.00056692	14.2770	1.6911	4.3801
4" x 1-1/4" x 0.70	101.6	31.8	0.70	2.0	0.5	2.0	12.0	4.74	1.1939	9.3835	18.1670	3.5762	3.9008	1.1663	0.4966	0.9884	0.8313	0.00190050	24.0780	1.6615	4.3536
4" x 1-1/4" x 0.80	101.6	31.8	0.80	2.0	0.5	2.0	12.0	4.74	1.3619	10.7040	20.6740	4.0698	3.8963	1.3192	0.5620	0.9842	0.8328	0.00301320	27.1740	1.6519	4.3449
4" x 1-1/4" x 0.90	101.6	31.8	0.90	2.0	0.5	2.0	12.0	4.74	1.5292	12.0190	23.1600	4.5591	3.8917	1.4687	0.6261	0.9800	0.8342	0.00455000	30.1890	1.6423	4.3362
6" x 2" x 0.90	152.4	50.8	0.9	2	0.5	2	12	4.74	2.445	19.197	86.368	11.340	59.436	8.699	11.340	18.872	22.885	6.285	427777635.398	-37.008	72.517
6" x 2" x 1.2	152.4	50.8	1.2	2	0.5	2	12	4.74	3.174	24.852	111.674	14.650	59.309	11.155	14.650	18.771	22.708	13.902	545933416.676	-36.728	72.136
6" x 2" x 1.5	152.4	50.8	1.5	2	0.5	2	12	4.74	3.955	31.103	138.147	18.124	59.1058	13.652	18.124	18.593	22.530	27.263	669459915.284	-36.373	71.857
6" x 2" x 1.8	152.4	50.8	1.8	2	0.5	2	12	4.74	4.929	38.692	170.696	22.401	58.8264	16.649	22.401	18.364	22.301	53.902	818228785.348	-35.941	71.349

Nota: Tolerancia +/- 1/32" (0.79mm)

SIMBOLOGÍA		
A = Área de la sección	I_y = momento de inercia de la sección con respecto al eje y	J = constante de la torsión de la sección
I_x = momento de inercia de la sección con respecto al eje x	$_{min}S_y$ = módulo elástico mínimo de la sección con respecto al eje y	C_w = constante del alabeo de la sección
S_x = módulo elástico de la sección con respecto al eje x	r_y = radio del giro de la sección con respecto al eje y	X_o = distancia entre el centroide y el centro del cortante
r_x = radio del giro de la sección con respecto al eje x	x = coordenada "x" del centroide desde la fibra extrema izquierda	r_o = radio del giro polar con respecto al centro del cortante de la sección (o respecto al centroide para secciones bisimétricas)

Tel: 2010-7300 / Fax: 2255-3857 • Urbanización San Gabriel, Calle Blancos, Goicoechea, San José, Costa Rica.
www.macopa.com • ventas@macopa.com