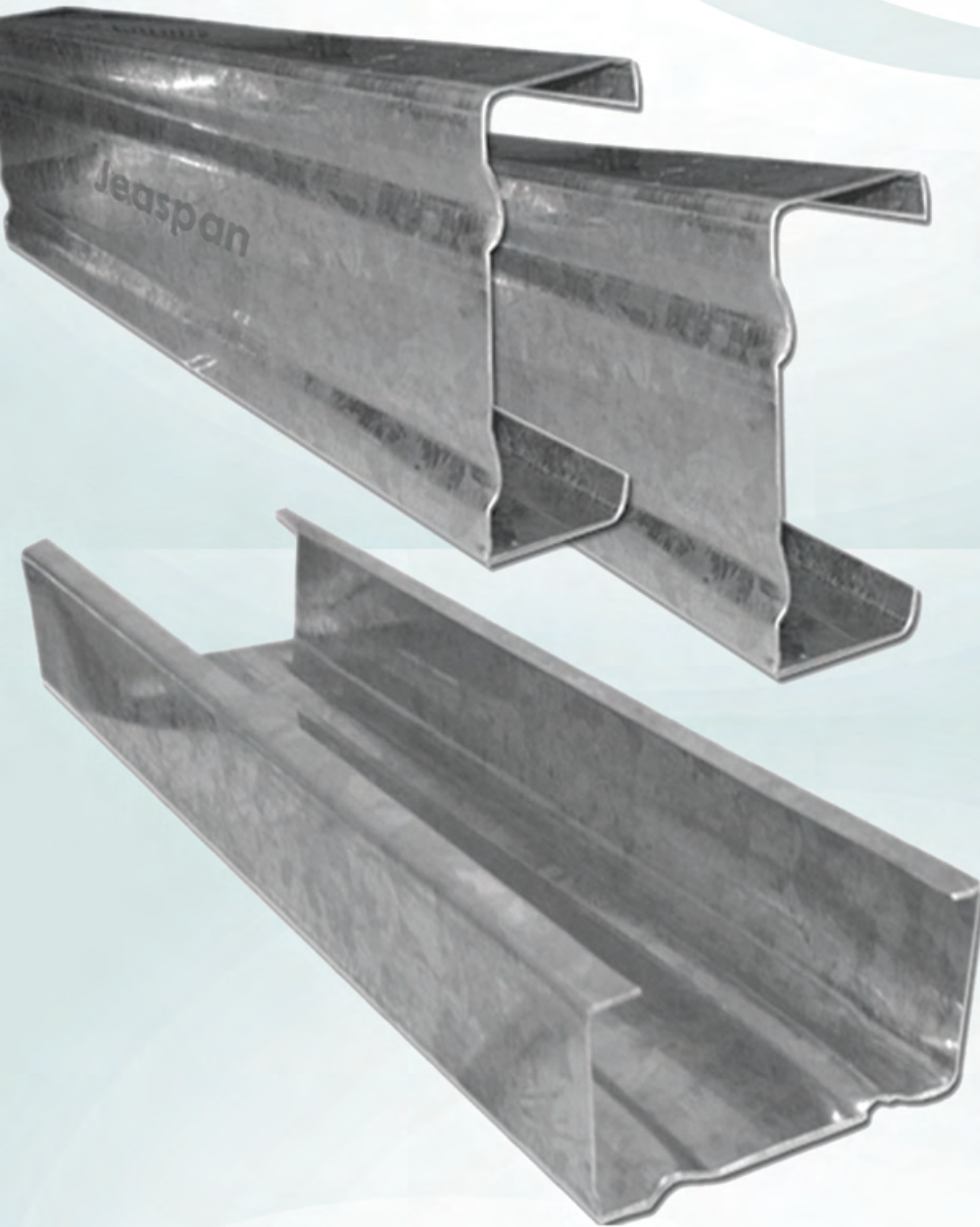


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**Tibay Laban sa KALAWANG
Basta't Galbanisado**



DURABLE
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ECONOMICAL
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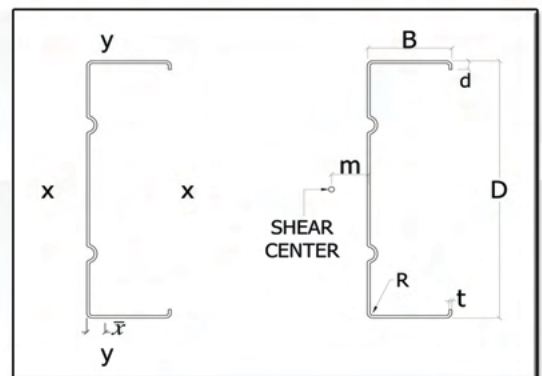
Gross Section Properties C-Sections with Lips

75, 100, 150, 175

ID	Dimension							Properties of Full Section												
	D	B	t	d	R	Area	wt/m	Axis-x-x			Axis-y-y				m	J	C _w	j	r _o	x _o
								I _x	S _x	r _x	I _y	S _y	r _y	x						
								1x10 ³ mm ⁴	1x10 ³ mm ³	mm	1x10 ³ mm ⁴	1x10 ³ mm ³	mm	mm						
	mm	mm	mm	mm	mm	mm ²	kg								mm	mm ⁴	1x10 ⁶ mm ⁶	mm	mm	mm
JEA175CS50x1.45	175	50	1.45	20.0	5.00	448.01	3.508	1,808.960	20.674	63.54	149.951	4.174	18.29	14.07	21.72	313.98	1024.929	90.87	74.85	-35.07
JEA175CS50x1.15	175	50	1.15	20.0	5.00	356.40	2.791	1,445.484	16.520	63.68	120.896	3.362	18.42	14.04	21.86	157.12	831.565	90.96	75.12	-35.33
JEA175CS50x0.95	175	50	0.95	20.0	5.00	295.02	2.310	1,200.058	13.715	63.78	100.965	2.806	18.50	14.02	21.96	88.75	697.389	91.02	75.30	-35.50
JEA150CS45x1.45	150	45	1.45	8.0	5.00	362.46	2.838	1,078.251	14.377	54.54	79.099	2.177	14.39	10.50	16.42	254.03	342.197	83.82	62.20	-26.20
JEA150CS45x1.15	150	45	1.15	8.0	5.00	288.55	2.259	863.139	11.509	54.69	60.834	1.762	14.52	10.47	16.58	127.20	279.176	83.89	62.47	-26.47
JEA150CS45x0.95	150	45	0.95	8.0	5.00	238.97	1.871	717.436	9.566	54.79	50.962	1.475	14.60	10.44	16.68	71.89	234.984	83.94	62.65	-26.65
JEA100CS45x1.15	100	45	1.15	12.5	5.00	241.40	1.890	367.979	7.360	39.04	63.639	2.071	16.24	14.28	19.98	106.42	144.902	56.44	54.06	-33.68
JEA100CS45x0.95	100	45	0.95	12.5	5.00	200.02	1.566	306.172	6.123	39.12	53.257	1.733	16.32	14.26	20.08	60.17	122.141	56.59	54.26	-33.87
JEA100CS45x0.75	100	45	0.75	12.5	5.00	158.38	1.240	243.451	4.869	39.21	42.590	1.385	16.40	14.25	20.17	29.17	98.384	56.74	54.45	-34.05
JEA75CS45x1.15	75	45	1.15	10.5	5.00	208.05	1.629	188.438	5.025	30.10	53.747	1.822	16.07	15.50	20.35	91.72	70.853	49.16	49.08	-35.28
JEA75CS45x0.95	75	45	0.95	10.5	5.00	172.47	1.350	157.027	4.187	30.17	45.000	1.525	16.15	15.49	20.44	51.88	59.885	49.34	49.28	-35.46
JEA75CS45x0.75	75	45	0.75	10.5	5.00	136.63	1.070	125.049	3.335	30.25	36.005	1.220	16.23	15.48	20.53	25.62	48.367	49.51	49.49	-35.54

Notes:

- I_x, I_y Moment of Inertia about centroidal principal axis
- S_x, S_y Section Modulus about centroidal principal axis
- r_x, r_y Radius of Gyration about centroidal principal axis
- m Distance between shear center and web centerline
- J St. Venant Torsion Constant
- C_w Warping Constant
- j Parameter used in determination of Elastic moment
- r_o Polar Radius of Gyration about shear center
- x_o Distance between centroid and shear center



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