



D = depth  
 F = flange  
 L = lip  
 t = thickness

# High Tensile Galvanized C - Purlin Properties & Dimensions

C SECTION IDENTIFICATION	DIMENSION					AREA OF SECTION mm <sup>2</sup>	MASS PER UNIT kg/m	2ND MOMENT OF AREA		SECTION MODULUS		RADIUS OF GYRATION			
	D	F <sub>1</sub>	F <sub>2</sub>	L	t			I <sub>x</sub>	I <sub>y</sub>	Z <sub>x</sub>	Z <sub>y</sub>	r <sub>x</sub>	r <sub>y</sub>	r <sub>z</sub>	r <sub>y</sub>
	mm	mm	mm	mm	mm			10 <sup>6</sup> mm <sup>4</sup>	10 <sup>6</sup> mm <sup>4</sup>	10 <sup>3</sup> mm <sup>3</sup>	10 <sup>3</sup> mm <sup>3</sup>	mm	mm	mm	mm
LOG C10016	100	50	50	16	1.6	373	2.80	0.60	0.14	11.77	4.11	40.6	19.5	18.24	
LOG C10020	100	50	50	16	2.0	422	3.45	0.76	0.18	14.84	5.46	41.9	20.3	18.60	
LOG C10025	100	50	50	16	2.5	534	4.40	0.95	0.22	18.56	7.01	42.7	20.9	19.05	
LOG C12516	125	50	50	16	1.6	408	3.10	1.00	0.15	15.72	4.29	50.0	21.4	11.08	
LOG C12520	125	50	50	16	2.0	510	3.82	1.25	0.19	19.67	5.49	50.1	21.5	16.42	
LOG C12525	125	50	50	16	2.5	638	4.89	1.56	0.24	24.56	7.13	50.1	21.6	17.35	
LOG C15016	150	65	65	16	1.6	489	3.84	1.77	0.28	23.60	6.31	60.2	24.0	19.30	
LOG C15020	150	65	65	16	2.0	608	4.77	2.19	0.35	29.20	7.74	60.0	23.9	19.60	
LOG C15025	150	65	65	16	2.5	755	5.93	2.70	0.42	35.90	9.44	59.8	23.6	20.00	
LOG C17516	175	75	75	16	1.6	564	4.47	2.79	0.43	31.89	8.03	70.3	27.7	22.10	
LOG C17520	175	75	75	16	2.0	702	5.54	3.45	0.53	39.46	9.82	70.1	27.5	21.90	
LOG C17525	175	75	75	16	2.5	873	6.89	4.26	0.65	48.72	11.97	69.9	27.3	21.70	
LOG C20016	200	75	75	16	1.6	572	4.70	3.80	0.37	37.44	7.09	80.8	25.1	19.18	
LOG C20020	200	75	75	16	2.0	689	5.74	4.75	0.45	46.80	9.39	82.5	25.4	20.16	
LOG C20025	200	75	75	16	2.5	855	7.03	5.94	0.61	58.52	12.23	83.4	26.8	20.80	
LOG C25020	250	75	75	18	2.0	540	6.69	7.63	0.58	61.08	10.08	95.3	26.3	18.83	
LOG C25025	250	75	75	18	2.5	1050	8.34	9.52	0.73	76.18	12.85	95.2	26.4	18.85	