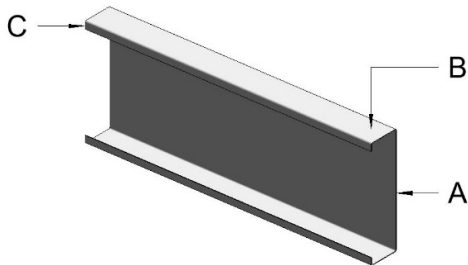




LIGHT GAUGE STEEL (LGS) MATERIAL PROFILE DATA SHEET

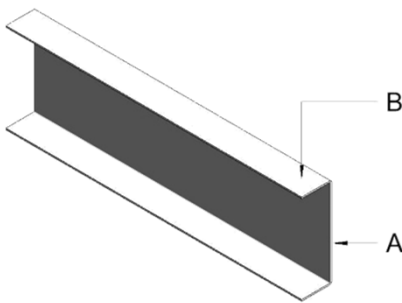
ID	WEIGHT kg/m	DIMENSIONS						PROPERTIES OF THE TOTAL SECTION															
		WEB A'	FLANGE B'	LIP C'	THICKNESS t	RADIUS R	Area	EJE X-X			EJE Y-Y					m	J	Cw	xo		β		
								Ix	Sx	rx	Iy	Sy	ry									Ma	Va

STUDS (LIPPED C PROFILE)



70S-41-105-550		70	40	6	1	2	1.5457	12.72	3.63	2.87	2.46	4.66	1.26	1.24	52.55	2.93	0.0052	28.82	-2.93	5.10
90S-45-105-550		90	40	6	1	2	1.7457	22.56	5.01	3.59	3.71	7.86	1.46	1.70	59.35	2.70	0.0058	50.69	-2.70	7.89
90S-41-155-550		90	40	6	1.5	2	2.5885	33.00	7.33	3.57	5.38	11.50	1.44	2.49	88.01	2.65	0.0194	71.68	-2.65	11.08
140S-41-105-550		140	50	4.5	1	2	2.4157	71.71	10.24	5.45	8.62	18.73	1.89	3.48	82.13	2.95	0.0081	227.53	-2.95	18.09
140S-41-155-550		140	50	4.5	1.5	2	3.5935	105.62	15.09	5.42	12.45	27.61	1.86	5.13	122.18	2.90	0.0270	326.01	-2.90	25.10
C20015		200	50	7	1.5	2	4.5685	253.39	25.34	7.45	26.67	63.65	2.42	8.62	155.33	2.62	0.0343	837.04	-2.62	78.87
C20019		200	50	7	2	2	6.0513	333.00	33.30	7.42	34.38	83.77	2.38	11.32	205.75	2.57	0.0807	1070.73	-2.57	99.71
C30015		300	50	14	1.5	2	6.2785	726.22	48.41	10.75	94.05	178.18	3.87	16.46	213.47	2.46	0.0471	2732.27	-2.46	349.19
C30019		300	50	14	2	2	8.3313	958.01	63.87	10.72	122.97	235.55	3.84	21.71	283.27	2.42	0.1111	3515.83	-2.42	451.65

TRACKS (OPEN C PROFILE)



70S-41-105-550		70	46		1	2	1.5828	13.36	3.82	2.91	3.57	4.12	1.50	1.30	53.82	3.12	0.0053	30.00	-3.12	0.00
90S-45-105-550		90	46		1	2	1.7828	23.55	5.23	3.63	3.87	6.95	1.47	1.78	60.62	2.88	0.0059	54.02	-2.88	0.00
90S-41-155-550		90	46		1.5	2	2.6592	34.74	7.72	3.61	5.72	10.31	1.47	2.62	90.41	2.86	0.0199	78.80	-2.86	0.00
140S-41-105-550		140	54.5		1	2	2.4528	73.73	10.53	5.48	7.03	17.51	1.69	3.58	83.40	3.08	0.0082	240.94	-3.08	0.00
140S-41-155-550		140	54.5		1.5	2	3.6642	109.32	15.62	5.46	10.40	26.08	1.68	5.31	124.58	3.06	0.0275	353.97	-3.06	0.00
P20015		200	57		1.5	2	4.6392	261.52	26.15	7.51	12.94	56.83	1.67	8.89	157.73	2.79	0.0348	925.25	-2.79	0.00
P20019		200	57		2	2	6.1657	345.63	34.56	7.49	17.03	75.42	1.66	11.75	209.63	2.78	0.0822	1211.94	-2.78	0.00
P30015		300	64		1.5	2	6.3492	749.64	49.98	10.87	19.63	139.34	1.76	16.99	215.87	2.72	0.0476	3270.30	-2.72	0.00
P30019		300	64		2	2	8.4457	993.21	66.21	10.84	25.87	185.30	1.75	22.51	287.15	2.70	0.1126	4297.60	-2.70	0.00