CISC HANDBOOK OF STEEL CONSTRUCTION

11th Edition, 3rd Revised Printing 2017

REVISIONS LIST NO. 3 - SEPTEMBER 2019

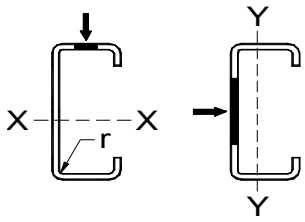
The following revisions and updates will be incorporated into future printings/editions of the CISC Handbook of Steel Construction.

Revised pages and tables previously incorporated into the 3rd Revised Printing of the 11th Edition are reproduced in full in the CISC publication entitled *Handbook Updates with Revised Tables – 2017*.

Page(s)	Revisions
6-144 to 6-145	*Replace pages 6-144 and 6-145 with the following pages. Revisions are highlighted in red.*

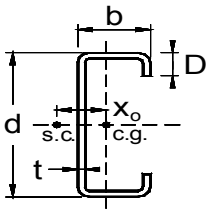
COLD-FORMED C-SECTIONS, COATED

Effective Properties



Designation	Mass	Gross Area	Effective Section Properties				M_{rlb}	L_{cr}	M_{rdb}	V_r	L_u
			X-X Axis		Y-Y Axis						
			I_{xd}	S_{xe}	I_{ye}	S_{ye}					
	kg/m	mm^2	$10^6\ mm^4$	$10^3\ mm^3$	$10^6\ mm^4$	$10^3\ mm^3$	kN·m	mm	kN·m	kN	mm
800S300-97	7.47	951	5.88	54.1	0.549	11.2	16.8	456	14.4	61.9	1 473
800S300-68	5.32	677	4.10	35.1	0.363	7.93	10.9	552	8.90	24.0	1 481
800S300-54	4.25	542	3.19	25.1	0.274	6.27	7.80	625	6.45	11.9	1 486
800S250-97	6.95	885	5.32	50.4	0.350	8.37	15.7	408	13.8	61.9	1 248
800S250-68	4.95	631	3.80	33.7	0.233	6.00	10.5	496	8.62	24.0	1 257
800S250-54	3.96	505	2.98	25.0	0.176	4.77	7.75	562	6.28	11.9	1 263
800S200-97	6.44	820	4.66	45.9	0.202	5.89	14.3	357	13.0	61.9	1 015
800S200-68	4.59	585	3.39	32.6	0.136	4.29	10.1	434	8.20	24.0	1 026
800S200-54	3.68	468	2.74	24.5	0.103	3.43	7.62	492	6.00	11.9	1 031
800S162-97	5.92	754	4.04	39.8	0.108	3.72	12.4	270	11.5	61.9	796
800S162-68	4.23	539	2.94	27.3	0.075	2.77	8.46	329	7.23	24.0	808
800S162-54	3.39	432	2.32	20.1	0.058	2.24	6.25	373	5.26	11.9	815
600S300-97	6.44	820	3.02	36.8	0.539	11.1	11.4	424	10.4	59.7	1 492
600S300-68	4.59	585	2.11	23.7	0.359	7.89	7.35	514	6.50	30.4	1 495
600S300-54	3.68	468	1.64	18.1	0.272	6.24	5.63	582	4.75	16.0	1 498
600S250-97	5.92	754	2.70	34.1	0.343	8.31	10.6	380	9.88	59.7	1 273
600S250-68	4.23	539	1.94	22.7	0.230	5.97	7.05	461	6.27	30.4	1 277
600S250-54	3.39	432	1.52	17.5	0.175	4.75	5.44	523	4.61	16.0	1 281
600S200-97	5.41	689	2.34	30.7	0.198	5.86	9.52	331	8.99	59.7	1 044
600S200-68	3.87	493	1.71	21.9	0.134	4.27	6.80	404	5.93	30.4	1 051
600S200-54	3.10	395	1.38	16.6	0.102	3.42	5.16	458	4.39	16.0	1 055
600S162-97	4.89	623	2.00	26.2	0.107	3.70	8.14	250	7.69	59.7	824
600S162-68	3.51	447	1.47	19.3	0.074	2.75	5.98	305	5.25	30.4	832
600S162-54	2.82	359	1.19	15.2	0.057	2.23	4.72	346	3.89	16.0	837
362S250-97	4.70	598	0.84	17.6	0.322	8.10	5.47	334	5.37	33.9	1 330
362S250-68	3.37	430	0.61	11.7	0.222	5.88	3.63	407	3.56	24.9	1 320
362S250-54	2.71	345	0.48	9.0	0.170	4.70	2.79	461	2.65	19.2	1 318
362S200-97	4.18	533	0.71	15.5	0.186	5.72	4.81	292	4.54	33.9	1 107
362S200-68	3.01	384	0.53	11.2	0.129	4.21	3.48	356	3.29	24.9	1 099
362S200-54	2.42	309	0.43	8.5	0.100	3.38	2.63	404	2.48	19.2	1 098
362S162-97	3.67	467	0.60	13.0	0.100	3.62	4.03	219	3.81	33.9	875
362S162-68	2.65	338	0.44	9.7	0.072	2.72	3.00	268	2.83	24.9	871
362S162-54	2.14	272	0.36	7.7	0.056	2.21	2.38	305	2.18	19.2	872

Designation Example: 600S200-97; where 600 = 6 in. section depth; S = stud or joist C-section; 200 = 2 in. flange width; 97 = minimum base steel thickness in mils;



COLD-FORMED C-SECTIONS, COATED

Dimensions and Gross Properties

Depth	Flange Width	Stiff'r Depth	Thick-ness	Gross Section Properties										
				X-X Axis			Y-Y Axis			x_o	r_o	J	j	C_w
d	b	D	t	I_x	S_x	r_x	I_y	S_y	r_y					
mm	mm	mm	mm	10^6 mm^4	10^3 mm^3	mm	10^6 mm^4	10^3 mm^3	mm	mm	mm	10^3 mm^4	mm	10^9 mm^6
203	76	15.9	2.58	5.98	58.9	79.3	0.664	12.0	26.4	51.2	98	2.12	115	5.45
203	76	15.9	1.81	4.32	42.5	79.9	0.491	8.90	26.9	52.2	99	0.74	114	4.00
203	76	15.9	1.44	3.48	34.2	80.2	0.399	7.25	27.2	52.7	100	0.37	113	3.24
203	64	15.9	2.58	5.32	52.4	77.6	0.420	8.94	21.8	40.8	90	1.97	115	3.52
203	64	15.9	1.81	3.86	37.9	78.2	0.313	6.67	22.3	41.8	91	0.69	113	2.59
203	64	15.9	1.44	3.11	30.6	78.5	0.256	5.45	22.5	42.2	92	0.35	112	2.11
203	51	15.9	2.58	4.66	45.9	75.4	0.240	6.24	17.1	30.8	83	1.82	121	2.06
203	51	15.9	1.81	3.39	33.4	76.1	0.181	4.71	17.6	31.7	84	0.64	117	1.53
203	51	15.9	1.44	2.74	26.9	76.4	0.149	3.87	17.8	32.1	85	0.32	116	1.25
203	41	12.7	2.58	4.04	39.8	73.2	0.127	3.91	13.0	22.0	78	1.68	139	1.10
203	41	12.7	1.81	2.95	29.1	74.0	0.098	3.01	13.5	22.8	79	0.59	133	0.83
203	41	12.7	1.44	2.39	23.5	74.4	0.081	2.50	13.7	23.2	79	0.30	130	0.68
152	76	15.9	2.58	3.07	40.3	61.2	0.605	11.6	27.2	56.9	88	1.82	94	2.89
152	76	15.9	1.81	2.23	29.2	61.7	0.447	8.61	27.7	57.9	89	0.64	93	2.13
152	76	15.9	1.44	1.80	23.6	62.0	0.364	7.01	27.9	58.4	90	0.32	93	1.73
152	64	15.9	2.58	2.70	35.5	59.9	0.384	8.66	22.6	45.8	79	1.68	88	1.87
152	64	15.9	1.81	1.97	25.8	60.4	0.286	6.47	23.1	46.8	80	0.59	87	1.38
152	64	15.9	1.44	1.59	20.9	60.7	0.234	5.29	23.3	47.2	80	0.30	87	1.13
152	51	15.9	2.58	2.34	30.7	58.3	0.221	6.08	17.9	35.0	70	1.53	85	1.10
152	51	15.9	1.81	1.71	22.4	58.8	0.166	4.59	18.4	35.9	71	0.54	83	0.82
152	51	15.9	1.44	1.38	18.1	59.1	0.137	3.77	18.6	36.4	72	0.27	83	0.67
152	41	12.7	2.58	2.00	26.2	56.6	0.118	3.82	13.7	25.3	64	1.39	90	0.58
152	41	12.7	1.81	1.47	19.3	57.3	0.091	2.94	14.2	26.2	65	0.49	87	0.44
152	41	12.7	1.44	1.19	15.6	57.6	0.075	2.44	14.5	26.6	65	0.25	86	0.36
92	64	15.9	2.58	0.84	18.3	37.6	0.321	8.10	23.2	54.0	70	1.33	69	0.66
92	64	15.9	1.81	0.62	13.5	38.0	0.240	6.07	23.6	55.0	71	0.47	69	0.49
92	64	15.9	1.44	0.50	10.9	38.2	0.197	4.97	23.9	55.5	71	0.24	70	0.40
92	51	15.9	2.58	0.71	15.5	36.6	0.185	5.72	18.7	42.1	59	1.18	59	0.39
92	51	15.9	1.81	0.53	11.4	37.0	0.140	4.33	19.1	43.1	60	0.42	60	0.29
92	51	15.9	1.44	0.43	9.3	37.3	0.115	3.57	19.3	43.6	60	0.21	60	0.24
92	41	12.7	2.58	0.60	13.0	35.8	0.100	3.61	14.7	31.2	50	1.04	54	0.19
92	41	12.7	1.81	0.44	9.7	36.3	0.077	2.79	15.1	32.1	51	0.37	54	0.15
92	41	12.7	1.44	0.36	7.9	36.5	0.064	2.32	15.4	32.6	51	0.19	54	0.12