



AISI MANUAL

Errata to Cold-Formed Steel

Design Manual

2013 EDITION

Amended October 22, 2014

Errata to Cold-Formed Steel Design Manual, 2013 Edition

1. Replace Pages II-83 and II-84 with the ones shown on the next two pages.



Table II - 14									
Web Crippling, P_n, kips^{1,2,4}									
Joists/Studs									
C-Sections With Lips									
									
$F_y = 33 \text{ ksi}$ $F_y = 50 \text{ ksi}$									
Section	Fastened or Unfastened	Case ³	Bearing Length ⁴ , N, in.				ASD Ω_w	LRFD ϕ_w	LSD ϕ_w
			1	2	4	6			
800S162-97	Fastened	A	<u>2.98</u>	<u>3.62</u>	<u>4.54</u>	<u>5.24</u>	1.75	0.85	0.75
		B	<u>6.35</u>	<u>7.15</u>	<u>8.29</u>	<u>9.16</u>	1.65	0.90	0.80
		C	<u>2.83</u>	<u>3.15</u>	<u>3.61</u>	<u>3.95</u>	1.75	0.85	0.75
		D	<u>8.33</u>	<u>9.02</u>	<u>10.0</u>	<u>10.8</u>	1.75	0.85	0.75
	Unfastened	A	<u>2.98</u>	<u>3.62</u>	<u>4.54</u>	<u>5.24</u>	1.85	0.80	0.70
		B	<u>6.35</u>	<u>7.15</u>	<u>8.29</u>	<u>9.16</u>	1.65	0.90	0.80
		C	<u>3.11</u>	<u>3.28</u>	<u>3.53</u>	<u>3.72</u>	1.65	0.90	0.80
		D	<u>6.57</u>	<u>7.44</u>	<u>8.67</u>	<u>9.61</u>	1.90	0.80	0.65
800S162-68	Fastened	A	<u>1.54</u>	<u>1.91</u>	<u>2.42</u>	<u>2.81</u>	1.75	0.85	0.75
		B	<u>3.24</u>	<u>3.71</u>	<u>4.36</u>	<u>4.86</u>	1.65	0.90	0.80
		C	<u>1.25</u>	<u>1.41</u>	<u>1.64</u>	<u>1.82</u>	1.75	0.85	0.75
		D	<u>3.94</u>	<u>4.31</u>	<u>4.84</u>	<u>5.25</u>	1.75	0.85	0.75
	Unfastened	A	<u>1.54</u>	<u>1.91</u>	<u>2.42</u>	<u>2.81</u>	1.85	0.80	0.70
		B	<u>3.24</u>	<u>3.71</u>	<u>4.36</u>	<u>4.86</u>	1.65	0.90	0.80
		C	<u>1.40</u>	<u>1.49</u>	<u>1.62</u>	<u>1.72</u>	1.65	0.90	0.80
		D	<u>3.42</u>	<u>3.93</u>	<u>4.65</u>	<u>5.21</u>	1.90	0.80	0.65
800S162-54	Fastened	A	<u>1.01</u>	<u>1.25</u>	<u>1.60</u>	<u>1.87</u>	1.75	0.85	0.75
		B	<u>2.10</u>	<u>2.42</u>	<u>2.88</u>	<u>3.23</u>	1.65	0.90	0.80
		C	<u>0.717</u>	<u>0.816</u>	<u>0.957</u>	<u>1.06</u>	1.75	0.85	0.75
		D	<u>2.40</u>	<u>2.65</u>	<u>3.00</u>	<u>3.27</u>	1.75	0.85	0.75
	Unfastened	A	<u>1.01</u>	<u>1.25</u>	<u>1.60</u>	<u>1.87</u>	1.85	0.80	0.70
		B	<u>2.10</u>	<u>2.42</u>	<u>2.88</u>	<u>3.23</u>	1.65	0.90	0.80
		C	<u>0.817</u>	<u>0.875</u>	<u>0.958</u>	<u>1.02</u>	1.65	0.90	0.80
		D	<u>2.25</u>	<u>2.61</u>	<u>3.12</u>	<u>3.51</u>	1.90	0.80	0.65
800S162-43	Fastened	A	0.432	0.544	0.701	0.822	1.75	0.85	0.75
		B	0.894	1.04	1.25	1.41	1.65	0.90	0.80
		C	0.262	0.301	0.357	0.400	1.75	0.85	0.75
		D	0.959	1.07	1.22	1.34	1.75	0.85	0.75
	Unfastened	A	0.432	0.544	0.701	0.822	1.85	0.80	0.70
		B	0.894	1.04	1.25	1.41	1.65	0.90	0.80
		C	0.306	0.330	0.365	0.391	1.65	0.90	0.80
		D	0.940	1.10	1.33	1.50	1.90	0.80	0.65
600S200-97	Fastened	A	<u>3.07</u>	<u>3.73</u>	<u>4.67</u>	<u>5.39</u>	1.75	0.85	0.75
		B	<u>6.44</u>	<u>7.25</u>	<u>8.40</u>	<u>9.28</u>	1.65	0.90	0.80
		C	<u>3.12</u>	<u>3.47</u>	<u>3.97</u>	<u>4.35</u>	1.75	0.85	0.75
		D	<u>8.77</u>	<u>9.49</u>	<u>10.5</u>	<u>11.3</u>	1.75	0.85	0.75
	Unfastened	A	<u>3.07</u>	<u>3.73</u>	<u>4.67</u>	<u>5.39</u>	1.85	0.80	0.70
		B	<u>6.44</u>	<u>7.25</u>	<u>8.40</u>	<u>9.28</u>	1.65	0.90	0.80
		C	<u>3.34</u>	<u>3.53</u>	<u>3.79</u>	<u>3.99</u>	1.65	0.90	0.80
		D	<u>6.58</u>	<u>7.45</u>	<u>8.68</u>	<u>9.63</u>	1.90	0.80	0.65
600S200-68	Fastened	A	<u>1.60</u>	<u>1.98</u>	<u>2.51</u>	<u>2.92</u>	1.75	0.85	0.75
		B	<u>3.30</u>	<u>3.77</u>	<u>4.43</u>	<u>4.94</u>	1.65	0.90	0.80
		C	<u>1.43</u>	<u>1.61</u>	<u>1.87</u>	<u>2.07</u>	1.75	0.85	0.75
		D	<u>4.20</u>	<u>4.60</u>	<u>5.17</u>	<u>5.60</u>	1.75	0.85	0.75
	Unfastened	A	<u>1.60</u>	<u>1.98</u>	<u>2.51</u>	<u>2.92</u>	1.85	0.80	0.70
		B	<u>3.30</u>	<u>3.77</u>	<u>4.43</u>	<u>4.94</u>	1.65	0.90	0.80
		C	<u>1.54</u>	<u>1.64</u>	<u>1.78</u>	<u>1.89</u>	1.65	0.90	0.80
		D	<u>3.43</u>	<u>3.94</u>	<u>4.66</u>	<u>5.21</u>	1.90	0.80	0.65

Table II - 14									
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Joists/Studs									
C-Sections With Lips									
									
F _y = 33 ksi									
F _y = 50 ksi									
Section	Fastened or Unfastened	Case ³	Bearing Length ⁴ , N, in.				ASD Ω_w	LRFD ϕ_w	LSD ϕ_w
			1	2	4	6			
600S200-54	Fastened	A	1.05	1.31	1.67	1.95	1.75	0.85	0.75
		B	2.14	2.47	2.93	3.28	1.65	0.90	0.80
		C	0.844	0.961	1.13	1.25	1.75	0.85	0.75
		D	2.59	2.86	3.24	3.53	1.75	0.85	0.75
	Unfastened	A	1.05	1.31	1.67	1.95	1.85	0.80	0.70
		B	2.14	2.47	2.93	3.28	1.65	0.90	0.80
		C	0.916	0.982	1.08	1.15	1.65	0.90	0.80
		D	2.25	2.61	3.12	3.52	1.90	0.80	0.65
600S200-43	Fastened	A	0.453	0.570	0.736	0.862	1.75	0.85	0.75
		B	0.913	1.06	1.28	1.44	1.65	0.90	0.80
		C	0.324	0.372	0.441	0.494	1.75	0.85	0.75
		D	1.05	1.17	1.34	1.47	1.75	0.85	0.75
	Unfastened	A	0.453	0.570	0.736	0.862	1.85	0.80	0.70
		B	0.913	1.06	1.28	1.44	1.65	0.90	0.80
		C	0.353	0.381	0.420	0.451	1.65	0.90	0.80
		D	0.942	1.10	1.33	1.51	1.90	0.80	0.65
600S200-33	Fastened	A	0.267	0.340	0.442	0.520	1.75	0.85	0.75
		B	0.516	0.607	0.737	0.837	1.65	0.90	0.80
		C	0.163	0.190	0.227	0.256	1.75	0.85	0.75
		D	0.577	0.648	0.750	0.828	1.75	0.85	0.75
	Unfastened	A	0.267	0.340	0.442	0.520	1.85	0.80	0.70
		B	0.516	0.607	0.737	0.837	1.65	0.90	0.80
		C	0.165	0.179	0.200	0.216	1.65	0.90	0.80
		D	0.383	0.454	0.555	0.632	1.90	0.80	0.65
600S162-97	Fastened	A	3.07	3.73	4.67	5.39	1.75	0.85	0.75
		B	6.44	7.25	8.40	9.28	1.65	0.90	0.80
		C	3.12	3.47	3.97	4.35	1.75	0.85	0.75
		D	8.77	9.49	10.5	11.3	1.75	0.85	0.75
	Unfastened	A	3.07	3.73	4.67	5.39	1.85	0.80	0.70
		B	6.44	7.25	8.40	9.28	1.65	0.90	0.80
		C	3.34	3.53	3.79	3.99	1.65	0.90	0.80
		D	6.58	7.45	8.68	9.63	1.90	0.80	0.65
600S162-68	Fastened	A	1.60	1.98	2.51	2.92	1.75	0.85	0.75
		B	3.30	3.77	4.43	4.94	1.65	0.90	0.80
		C	1.43	1.61	1.87	2.07	1.75	0.85	0.75
		D	4.20	4.60	5.17	5.60	1.75	0.85	0.75
	Unfastened	A	1.60	1.98	2.51	2.92	1.85	0.80	0.70
		B	3.30	3.77	4.43	4.94	1.65	0.90	0.80
		C	1.54	1.64	1.78	1.89	1.65	0.90	0.80
		D	3.43	3.94	4.66	5.21	1.90	0.80	0.65
600S162-54	Fastened	A	1.05	1.31	1.67	1.95	1.75	0.85	0.75
		B	2.14	2.47	2.93	3.28	1.65	0.90	0.80
		C	0.844	0.961	1.13	1.25	1.75	0.85	0.75
		D	2.59	2.86	3.24	3.53	1.75	0.85	0.75
	Unfastened	A	1.05	1.31	1.67	1.95	1.85	0.80	0.70
		B	2.14	2.47	2.93	3.28	1.65	0.90	0.80
		C	0.916	0.982	1.08	1.15	1.65	0.90	0.80
		D	2.25	2.61	3.12	3.52	1.90	0.80	0.65