

Steel structures

Amendment No. 1

Correction amendment

Publishing and Approval Dates

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Summary

This Amendment applies to the following elements:

- Clauses 5.6.1.1, 6.4.1, 8.4.5.1, 8.4.5.2, 8.4.6, H.4
- Tables 6.3.3(C)

Amendment Details

AS 4100:2020 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction / New text					
Cl 5.6.1.1	1	Item (a)(iii), <i>delete</i> “ α_m ”, and <i>replace</i> with “ $\alpha_m =$ ”				
	2	Equation 5.6.1.1(2), <i>delete</i> “ α ”, and <i>replace</i> with “ α_s ”.				
Table 6.3.3(C)	<i>Delete</i> row beginning “20” and <i>replace</i> with the following:					
	20	1.000	0.989	0.978	0.967	0.956

Cl 6.4.1 In equation, delete “ V^* ”, and replace with “ $V^* =$ ”.

Cl 8.4.5.1 After first sentence, insert the following:

$$\left(\frac{M_x^*}{\phi M_{cx}} \right)^{1.4} + \left(\frac{M_y^*}{\phi M_{cy}} \right)^{1.4} \leq 1$$

Cl 8.4.5.2 Delete equation, and replace with the following:

$$\left(\frac{M_x^*}{\phi M_{tx}} \right)^{1.4} + \left(\frac{M_y^*}{\phi M_{ry}} \right)^{1.4} \leq 1$$

Cl 8.4.6 Delete the first sentence and equation and replace with the following:

Single angle web compression members in trusses which are connected with at least two bolts or welded at their ends and loaded through one leg (see Figure 8.4.6) shall be designed to satisfy Clause 8.3 and either Clause 8.4.5 or the following:

$$\frac{N^*}{\phi N_{ch}} + \frac{M_h^*}{\phi M_{bx} \cos \alpha} \leq 1$$

Cl H.4

In equation for J , *delete*

$$\frac{1}{I_x} \int (x^2 y + y^3) dA - 2y_o,$$

and *replace* with the following:

$$\frac{4A_e^2}{\Sigma \left(\frac{b}{t} \right)}$$