

STANDARDS AUSTRALIA

Amendment No. 1
to
AS 1720.1—2010
Timber structures
Part 1: Design methods

CORRECTION

The 2010 edition of AS 1720.1 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to Clauses 1.4.4.5 and 6.3.3, Table 7.2(B), and Appendices C, E, H and I.

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Clause 1.4.4.5

Delete first and second sentences, and *replace* with the following:

The structure and its structural elements (including timber, metal, adhesives and other structural material) shall be designed to satisfy the strength, stability and serviceability requirements for the design life of the structure. Any assumed maintenance program shall be specified.

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Clause 6.3.3

- 1 Equation 6(6), *delete* factor ' k_9 '.
- 2 *Delete* description for ' k_1 to k_9 ', and *replace* with the following:

k_1 , k_4 and k_6 = modification factors given in Section 2

- 3 *Delete* description for ' A_c ', and *replace* with the following:

A_c = section area of a round timber column
 $= \frac{\pi d_p^2}{4}$, where d_p = nominal mid-length diameter

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Table 7.2(B)

Delete values of first row for stress grade GL18, and *replace* with the following:

GL18	1.08	1.08	1.03	1.00	0.98
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Appendix C, Table C5

Delete first column, and *replace* with the following:

Joint group
f'_{cj} MPa
Joint group
f'_{cj} MPa

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Appendix E, Paragraph E3.2

Note, *delete* ' $N_{cr} = 4$ ', and *replace* with ' $N_{cr} = \infty$ '.

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Appendix E, Paragraph E6.4

Note, *delete* ' $M_{cr} = 4$ ', and *replace* with ' $M_{cr} = \infty$ '.

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Appendix E, Table E9

1 *Delete* Table title, and *replace* with the following:

VALUES OF GRAIN ORIENTATION MODIFICATION FACTOR (k_{tg}) FOR $\alpha \leq 10^\circ$

2 *Delete* first row (table headings), and *replace* with the following:

Angle of taper (α), degrees	For edge at angle to the grain	For edge parallel to grain
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Appendix H, Table H2.1

Delete Note 1, and *replace* with the following:

- 1 The characteristic values for bending listed in this Table for F-grades apply for naturally round timbers and for rectangular beam sections not greater than 300 mm in depth. For rectangular beams greater than 300 mm in depth, the characteristic values are obtained by multiplying the value in this Table by $(300/d)^{0.167}$, where d is the depth of the section.
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Appendix H, Paragraph H3

Heading, *delete* '**MDP12**', and *replace* with '**MGP12**'.

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Appendix I, Paragraph I2.4.2

Delete Items (e) and (f), and *replace* with the following:

(a) Case A, load at end of beam (e.g., end support):

$$S = g_{61} \frac{d_w}{t_w} \left(\frac{l_b + 0.5 t_f}{0.5 g_{62} d_w + 3 l_b + 1.5 t_f} \right)^{1/2} \quad \dots \text{I9}$$

(b) Case B, load not at end of beam (e.g., intermediate support or load):

$$S = g_{61} \frac{d_w}{t_w} \left(\frac{l_b + 2 t_f}{2.5 g_{62} d_w + 2 l_b + 6 t_f} \right)^{1/2} \quad \dots \text{I10}$$

where

g_{61} and g_{62} = geometry factors given in Tables I3 and I4

d_w , t_w , t_f and l_b = dimensions (in millimetres) indicated in Figure I3
