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AS 5100.6-2004 Bridge design. Steel and composite construction

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Abbreviation

AS 5100.6-2004

Valid from

23/04/2004

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF

Cited By

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Description

This Standard sets out minimum requirements for the design of the structural steelwork in bridges. Wrought and cast iron structures may be checked in accordance with this Standard, using the appropriate material properties and capacity reduction factors.

In addition, this Standard applies to the design of other steel components of bridges including steel piers, steel railings and sign structures.

Scope

In the design of composite steel and concrete members, the general requirements of AS 5100.5 pertaining to the design of concrete shall apply, where relevant, in addition to the requirements of this Standard.

This Standard does not cover the steelwork of the following structures, members and materials:

1. Bridges with orthotropic plate decks.
2. Cold-formed members other than those complying with AS 1163.
3. Steel members for which the value of yield stress (f_y) used in design exceeds 450 MPa.
4. Steel elements, other than packers, less than 3 mm thick.

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