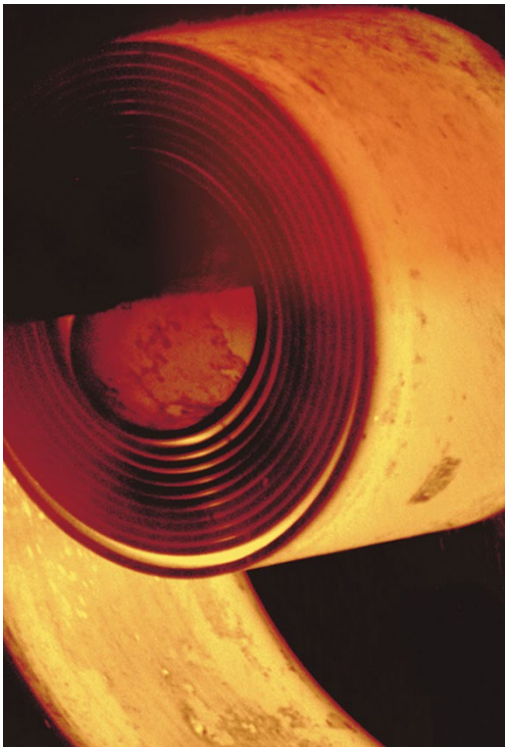
Uncoated Steel
Data Sheet

June 2026 - This literature supersedes all previous issues

Hot rolled strip AS/NZS 1594 – HK1042

General description

Hot rolled carbon steel with a guaranteed chemical composition.



Typical uses

Concrete mixer barrels

Features & benefits

Wear resistance

Warnings

This material should be used in conjunction with the appropriate design and welding standards.

An untrimmed edge (Mill Edge) may contain minor surface discontinuities as a result of the rolling process. It is recommended that customers satisfy themselves that the edge is suitable for the application.

Free from coil break for 3 months after production.

Material should be stored under cover to avoid issues with storage related corrosion.

Australian and International Standards

AS/NZS 1594:2002 (R2016)

AS/NZS 1365:1996 (R2016)

ISO 9001:2015 Quality System Certified

Supply conditions

	Normal	Optional
Thickness Range	3.8 – 8.0 mm *	-
Width Range	1351 – 1450 mm *	-
Surface Finish	Hot Rolled	-
Edge Condition	Untrimmed (Mill Edge)	Trimmed
Tolerance	AS/NZS 1365:1996 (R2016)	-
Flatness	Class A	-
Certification	BlueScope – Analysis only	-

* Not all thickness & width combinations are available
Optional supply conditions are subject to dimensional restrictions

Chemical composition

Element	Guaranteed Range or Maximum %
Carbon	0.39 - 0.47
Silicon	0.50
Manganese	0.60 - 0.90
Phosphorus	0.040
Sulfur	0.030
Aluminium	0.10

Mechanical properties

No guaranteed mechanical properties.

Galvanised Coating Characteristics Related to Steel Composition

Category
B & D

Refer to Table 9.1 of AS/NZS 2312.2:2014

Where aesthetics are important or where particular coating thickness, surface smoothness or resistance to handling damage criteria exist, specialist advice on steel selection should be sought prior to fabrication of the article or hot dip galvanising.

Fire hazard properties

Test & Evaluation Method	Result
Combustibility test for materials (AS 1530.1-1994 (R2016))	Not deemed combustible (steel substrate) #

These test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.

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