

CERTIFICATE OF ACCREDITATION



Fletcher Steel Test Laboratory

Fletcher Steel Ltd

Client Number 9649

PO Box 22-201 , Otahuhu, Auckland, 1640
5 Beach Road, Otahuhu, Auckland, 2024

Telephone 64 9 525-9400

www.fletchersteel.co.nz

Authorised Representative

Mr Bruce Roberts
Metallurgist

Programme

Mechanical Testing Laboratory

Accreditation Number 1324

Initial Accreditation Date 26 April 2019

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

4.76 Metals and Metal Products

Key Technical Personnel

Mr Bruce Roberts	4.76
Mr Luis Siasoco	4.76

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4.76 Metals and Metal Products

Tests in accordance with the standards such as:

(a) Tension tests in accordance with the following standards in the load range 1 kN to 250 kN

- AS 1391
- ISO 6892-1
- ISO 15630-1 Clause 5.3
- ISO 15630-2 Clause 5.3
- ASTM E8/E8M Tension Testing of Metallic Materials

Testing methods as defined by the following standards and, with AS/NZS 4671

- ISO 15630-1 Clause 5.3 Reinforcing bars, wire rod and wire
- ISO 15630-2 Clause 5.3 Welded Fabric
- Clause 7 Weld shear test

(c) Bend tests in accordance with the following standards

- ISO 15630-1 Clause 6.3 Bend Test
- ISO 15630-1 Clause 7.3 Re-Bend Test
- AS 2505.1 Method 1 Sheet, strip and plate – Bend tests

(f) Impact tests in accordance with the following standards in the temperature range -50 °C to 25 °C

- Charpy impact tests
- AS 1544.2 Methods for impact tests on metals – Charpy V-notch
- BS EN ISO 148-1 Metallic Materials – Charpy pendulum impact test – Part 1 – Test Method

(h) Other tests in accordance with the following standards

- AS 1074 Steel Tubes Ductility Test 2.9.2 – Cold Flattening Test
- AS 2505.6 Wire Wrapping Test
- AS/NZS 1163 Cold-Formed Structural Steel Hollow Sections Clause 10.3 Clause 9.4.3 and Clause 9.3.5 – Cold Flattening Test
- AS/NZS 4671 Appendix C3.3 Mass per unit length of reinforcing steels
- ISO 7802 Wire Wrapping Test
- ISO 15630-1 Geometric properties of reinforcing steel
 - Clause 10.3.1 Transverse rib height
 - Clause 10.3.2 Longitudinal rib height
 - Clause 10.3.3 Transverse rib spacing
 - Clause 10.3.5 Circumference without ribs
 - Clause 10.3.6 Rib angle

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Clause 10.3.8

Rib width

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Operations Manager
Authorisation:

A handwritten signature in black ink, appearing to read 'A. H. O. M. A.', is written over a white background.

Issue 7

Date:09/05/23

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