

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

Operations Manager
Authorisation:

Issue 8

Date:20/05/24

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Mechanical Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 1324

4.76 Metals and Metal Products

(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

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
	Clause 10.3.8 Rib width

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