





Fletcher Steel Test Laboratory  
 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 Tensile testing at room temperature
- ISO 6892-1 Tensile testing at room temperature
- ISO 15630-1 Reinforcing bars, rods and wire
  - Clause 5.3 Tensile test at room temperature
- ISO 15630-2 Welded fabric and lattice girders
  - Clause 5.3 Tensile test

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

- ISO 15630-1 Reinforcing bars, wire rod and wire
  - Clause 5.3 Tensile test at room temperature
- ISO 15630-2 Welded fabric and lattice girders
  - Clause 5.3 Tensile test
  - Clause 7 Shear test

**(c) Bend tests**

**In accordance with the following standards**

- AS 2505.1 Sheet, strip and plate - Bend tests
- ISO 15630-1 Reinforcing bars, rods and wire
  - Clause 6.3 Bend test
  - Clause 7.3 Rebend test


**(f) Impact tests**

**In accordance with the following standards in the temperature range -50 °C to 25 °C**

- Charpy impact tests
- AS 1544.2 Charpy V-notch
  - BS EN ISO 148-1 Charpy pendulum impact test

**(h) Other tests**

**In accordance with the following standards**

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AS 1074	Ductility of Finished Tubes
Test 2.9.2	Cold Flattening Test
AS 1397	Coatings of zinc and zinc alloyed with aluminium and magnesium
Clause 3.3	Determination of coating adhesion
AS 2505.6	Wire - Wrapping Test
AS/NZS 1163	Cold-formed structural steel hollow sections
Clause 9.3.5	Preparation of test pieces for mechanical testing – Cold flattening test
Clause 9.4.3	Mechanical testing – Cold flattening test
Clause 10.3	Cold flattening test
AS/NZS 4671	Steel for the reinforcement of concrete
Appendix C3.3	Mass per unit length of reinforcing steels
ISO 7802	Wire – Wrapping test
ISO 15630-1	Reinforcing bars, rods and wire
Clause 10.3.1	Heights of transverse ribs or depths of indentations
Clause 10.3.2	Height of longitudinal ribs
Clause 10.3.3	Transverse rib or indentation spacing
Clause 10.3.5	Part of the circumference without ribs or indentations
Clause 10.3.6	Transverse rib or indentation angle
Clause 10.3.8	Width of transverse rib or width of indentation

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