Scope of Accreditation

ACCREDITATION NO: 15624

MTS Metallurgy Pty Ltd

MTS Metallurgical Testing Services
56A Barberry Way
BIBRA LAKE WA 6163

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FACILITIES: Public testing service

This facility complies with the requirements of ISO/IEC 17025:2005

13.01 Metals and metal products

.11 Tension tests on test pieces
Tests with control of maximum strain rate in the range 0.1 kN to 1000 kN
including yield stress and proof stress tests
by the methods of-
in-house method TP 2.1
AS 1391
AS/NZS: 3678; 3679.1
ASTM: A370; E8M; F606

.15 Tension tests on products
Tests with control of maximum strain rate in the range 0.1 kN to 1000 kN
including yield stress and proof stress tests
by the methods of-
in-house method TP 2.2
AS 1391
AS/NZS 3679.1
ASTM: A370; E8M

.21 Brinell hardness tests
Tests to 29.4 kN
by the methods of -
in-house method TP 1.10
AS 1816.1
ASTM E10

.22 Rockwell hardness tests
Tests using A, B and C scales
by the methods of-
in-house method TP 1.2
AS 1815.1
ASTM E18

.23 Vickers hardness tests
Tests in the range 2.94 N to 294 N
by the methods of -
in-house method TP 1.1
AS 1817.1
ASTM E92

.31 Impact tests
Charpy impact tests (impact value and fracture appearance) at ambient temperature and down to -70°C and at -196°C
by the methods of-
AS 1544.2
BS EN 10045-1
Lateral expansion
by the methods of-
AS 1544.5
BS EN 10045-1

.51 Compression, transverse and shear tests
Compression tests on products in the range 0.1 kN to 1000 kN
by the methods of-
in-house method TP 3.1

.58 Bend tests
by the methods of-
in-house method TP 4.1
AS: 2205.3.1; 2205.3.3
AS/NZS 3992
ASME IX
ISO/EN 5173

13.03 Welds and welded test specimens

.11 Tension tests
Tests with control of maximum strain rate in the range 0.1 kN to 1000 kN including yield stress and proof stress tests
by the methods of-
in-house methods: TP2.8; TP 2.9
AS: 1391; 2205.2.1; 2205.2.2
AS/NZS 3992
ASME IX
ASTM E8M
AWS D1.1

.21 Hardness tests
Weld macro hardness surveys
by the methods of-
in-house method TP 1.4
AS: 1817.1; 2205.6.1

.31 Impact tests
As in 13.01.31

.58 Bend tests
by the methods of-
in-house method TP 4.1
AS: 2205.3.1; 2205.3.3
AS/NZS 3992
ASME IX
ISO/EN 5173

.61 Fillet-break tests
by the methods of-
in-house method TP 8.2
AS: 1665; 2205.4.2
ASME IX

.62 Nick-break tests
by the methods of-
in-house method TP 8.3
AS: 1665; 2205.4.1

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.91 Macroscopic examinations
by the methods of-
in-house method TP 8.1
AS 2205.5.1
AS/NZS: 1554; 3992
AWS D1.1
ASME IX

13.08 Threaded fasteners

.11 Tension tests
Wedge tensile test of bolts in the range 0.1 kN to 1000 kN
by the methods of -
In-house method TP 2.4
AS 4291.1
ASTM F606
SAE J429

.12 Proof tests
Proof tests on nuts in the range 0.1 kN to 1000 kN
by the methods of-
in-house method TP 3.2
AS 4291
AS/NZS 1252
ASTM: A370; A962; F593; F606

.99 Other tests
Surface hardness of structural bolts
by the methods of -
In-house method TP 1.7
AS 4291
AS/NZS 1252

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(Scope Last Changed 11/06/09)