



MECHANICAL TESTING REPORT

Report No: QRM15-0728
Date of Issue: 20-10-2015
Page: 1 of 2
Client: Bronze & Brass Fasteners Pty Ltd
Attention: Anthony Cowan
Address: PO Box 205
Crows Nest, QLD 4355
Order Number: COD
Job Description: The Load testing of (2) Bolt and Plate Assemblies.

Luke Davies
Laboratory Technician
Mechanical Testing



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Note:

1. All work is subject to our standard terms and conditions, available on our website <http://www.alsglobal.com/en/Our-Services/Industrial/Asset-Care/Downloads>
2. Test plates and specimens will be disposed of 30 days from issue date of this report unless other arrangements have been made.
3. This report is based on information supplied by the client and cannot be substantiated.

Test Piece 2 off M10 x 55mm Bolts
Identification: 10mm Thick Plate: 1 x Threaded Through Hole
 1 x Threaded Blind Hole (8mm depth)
Nominated Material Specification: Bolts: C65100 – H04
 Plate: Bronze – Not Further Specified
Test Specification: In General Accordance with AS 4291.1 – 2000
Date of Examination: 19-10-2015

ASSEMBLY LOAD TEST:

Threaded Through Hole Assembly

Assembly ID	Bolt Size	Bolt Area	Maximum Load	Maximum Stress	Location of Fracture	Fracture Face Appearance
A	M10	58mm ²	29.44kN	508MPa	Bolt – Approx. 8mm from Head	Ductile

Threaded Blind Hole Assembly

Assembly ID	Bolt Size	Bolt Area	Maximum Load	Maximum Stress	Location of Fracture	Fracture Face Appearance
B	M10	58mm ²	29.34kN	507MPa	Bolt – Approx. 8mm from Head	Ductile



Note: No Deformation was observed on the engaged thread of both the bolt and the plate.