



Coventry Fasteners

Australia's Fastener Specialists

Welshpool
290-296 Welshpool Rd,
Welshpool,
WA 6106
Tel: (08) 9350 3600
Fax: (08) 9458 3006

Kilburn
60 Grand Junction Rd,
Kilburn,
SA 5084
Tel: (08) 8300 8700
Fax: (08) 8300 8777

Wetherill Park
1/442 Victoria St,
Wetherill Park,
NSW 2164
Tel: (02) 9616 6100
Fax: (02) 9616 6150

Pinkenba
Building 2, 660
MacArthur Ave,
Pinkenba,
QLD 4008
Tel: (07) 3291 8200
Fax: (07) 3291 8250

Laverton
72 William Angliss Dve,
Laverton,
VIC 3026
Tel: (03) 9368 7906
Fax: (03) 9368 7999

TEST CERTIFICATE

Order No: 515656

Coating: HOT DIP GALVANISED

Certificate No: 20090801036

LOT NO.: 3113380038

Product Details

Date of Issue: 2009-08-01

| Item | Heat No | Description | Coventry Fasteners Part No. | Spec/Grade |
|------|------------|--------------------------|-----------------------------|--|
| 001 | E90083402 | AS1252 HDG BOLT: M30X130 | 30X130MHSA | AS1252-1983 (DIMENSIONAL) / AS1252-1996 (MECHANICAL) |
| 002 | 20902-0295 | AS1252 HDG NUT: M30 | 30MHSN | |
| 003 | 92-3705 | AS1252 HDG WASHER: M30 | 30MHWS | |

Chemical Analysis

| Item | C% | Si% | Mn% | P% | S% |
|------|------|------|------|-------|-------|
| 001 | 0.40 | 0.25 | 0.72 | 0.019 | 0.017 |
| 002 | 0.44 | 0.23 | 0.61 | 0.015 | 0.008 |
| 003 | 0.47 | 0.21 | 0.60 | 0.017 | 0.006 |

Required Chemical Analysis

| Item | C% | | Mn% | P% | S% |
|------|------|------|-------|-------|-------|
| | Min | Max | Min | Max | Max |
| 001 | 0.25 | 0.55 | - | 0.035 | 0.035 |
| 001 | 0.15 | 0.40 | 0.035 | 0.035 | 0.035 |

Mechanical Properties

| Item | Yield (MPa) | Tensile (MPa) | Wedge (MPa) | Elong% | Proof Load |
|------|-------------|---------------|-------------|--------|------------|
| 001 | 765 | 860 | 855 | | 337 |
| 002 | - | - | - | - | 653.6 |
| 003 | - | - | - | - | N/A |

Required Mechanical Properties

| Item | Yield (MPa) | Tensile (MPa) | Wedge (MPa) | Min Elong % |
|------|-------------|---------------|-------------|-------------|
| 001 | 660 | 830 | 830 | 12 |

Final Hardness

| Item | Scale | Min | Max |
|------|-------|-------|-------|
| 001 | HRC | 28.00 | 31.00 |
| 002 | HRC | 29.50 | 33.50 |
| 003 | HRC | 39.00 | 42.00 |

Required Final Hardness

| Item | Scale | Min | Max |
|------|-------|-------|-------|
| 001 | HRC | 23.00 | 34.00 |
| 002 | HRC | 24.00 | 36.00 |
| 003 | HRC | 35.00 | 45.00 |

- Marking: Grade & Trademark
- Decarburization & Head Soundness
- Visual/Dimensional Examination
- Coating Thickness
- Product verified by Independent Batch Testing in Australia (NATA Approved)

Coventry Fasteners certify that the information given is a true and accurate extract from the manufacturers Test Results. The product conforms to:
AS1252-1983 (Dimensional)
AS1252-1996 (Mechanical)

Approved:

Byung Hwan Lee
IL WOO FASTENER CO.
PRESIDENT

For & on behalf of **Coventry Fasteners**
(A division of Coventry Group Ltd ABN 37 008 670 102)