



# Coventry Fasteners

Australia's Fastener Specialists

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## TEST CERTIFICATE

Order No: 515656

Coating: HOT DIP GALVANISED

Certificate No: 20090801007

LOT NO.: 3113380005

### Product Details

Date of Issue: 2009-08-01

Item	Heat No	Description	Coventry Fasteners Part No.	Spec/Grade
001	0904043000	AS1252 HDG BOLT: M16X60	16X60MHSA	AS1252-1983 (DIMENSIONAL) / AS1252-1996 (MECHANICAL)
002	330811789	AS1252 HDG NUT: M16	16MHSN	
003	4109010932	AS1252 HDG WASHER: M16	16MHSW	

#### Chemical Analysis

Item	C%	Si%	Mn%	P%	S%
001	0.33	0.05	0.41	0.011	0.009
002	0.35	0.23	0.72	0.011	0.006
003	0.46	0.25	0.60	0.028	0.019

#### 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		871	865		94.5
002	-	-	-	-	182.9
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	29.00	33.00
002	HRC	29.50	32.50
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)