

## TEST CERTIFICATE

Order No: 10484

Coating: HOT DIP GALVANISED

Certificate No: 20090831003

LOT NO.: 3121140005

### Product Details

Date of Issue: 2009-08-31

Item	Heat No	Description	Hylton Parker Fasteners Part No.	Spec/Grade
001	0906010900	AS1252 HDG BOLT: M16X50	16X50MHSA	AS1252-1983 (DIMENSIONAL) / AS1252-1996 (MECHANICAL)
002	9B00450	AS1252 HDG NUT: M16	16MHSN	
003	82-13934	AS1252 HDG WASHER: M16	16MHSW	

#### Chemical Analysis

Item	C%	Si%	Mn%	P%	S%
001	0.34	0.05	0.39	0.009	0.006
002	0.42	0.21	0.70	0.012	0.006
003	0.47	0.25	0.58	0.028	0.012

#### 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		881	852		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	28.00	31.00
002	HRC	29.00	33.00
003	HRC	39.50	41.50

#### 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

Approved:

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

Hylton Parker 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)

*Byung Hwan Lee*  
 IL WOO FASTENER CO.  
 PRESIDENT

For & on behalf of **Hylton Parker Fasteners**  
 (A division of Coventry Group (NZ) Limited)