

TEST CERTIFICATE

Order No: 10484

Coating: HOT DIP GALVANISED

Certificate No: 20090831004

LOT NO.: 3121140006

Product Details

Date of Issue: 2009-08-31

Item	Heat No	Description	Hylton Parker Fasteners Part No.	Spec/Grade
001	330905051	AS1252 HDG BOLT: M16X55	16X55MHSA	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	0.35	0.24	0.73	0.015	0.004
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		905	890		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	32.00
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)