

AL HOTY-STANGER

REDA NATIONAL COMPANY

M 2K9200 / 1



ALUMINIUM ALLOY ROAD STUDS

TENSILE TEST RESULT

24 MAR. 2009

SAMPLE NO.	:	1
MACHINED DIAMETER	(mm):	11.84
CROSS-SECTIONAL AREA	(mm <sup>2</sup> ):	110.10
TENSILE LOAD	(kN):	22.20
TENSILE STRENGTH	(MPa):	202.00
ELONGATION 50mm G.L.	(%):	2.00
COMMENT	:	*PASS

**Results:-** Meets Requirments of LM 24 Aluminium Alloy

**Note 1) :-** As per LM 24

Tensile strength	:	180-320 Mpa
Elongation	:	1.5-3%

**Note 2):-** Sample was tested in non-heat treated condition. A heat treated-die casted final product will have a higher value than a chilled casted ingot



**RIYAZ AHMED**

Manager

Metallurgical & NDT/Inspection

For Al Hoty-Stanger Ltd. Co.

Tested by: **Mohd. Osman Khan**

Verified by: **Luis D. Hermogenes**

*This report relates only to the sample tested and shall only be reproduced in full with a written approval of AHSL testing laboratory.*

INDEPENDENT LABORATORIES & MATERIALS TESTING

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AL HOTY-STANGER

REDA NATIONAL COMPANY

M2K 9200 / 2



ALUMINIUM ALLOY ROAD STUDS

HARDNESS TEST RESULT

24 March, 2009

HARDNESS TESTING MACHINE : EQUOTIP-3 Portable Hardness Tester  
Serial No. : E301-005-0004

Standard Test Block Used : Proceq SA Switzerland  
: D.2173.0852.A

BRINELL HARDNESS READINGS		
SR.NO.	SMALL SAMPLE	BIG SAMPLE
1	64	58
2	56	60
3	60	55
4	59	63
5	62	61
<b>AVERAGE</b>	60.2	59.4

**NOTE : 85 Max.(BHN) as per LM24 Aluminium Alloy Hardness Requirement**

**RIYAZ AHMED**  
Manager  
Metallurgical & NDT/Inspection  
For Al Hoty-Stanger Ltd. Co.



Tested by: **Trushar kevat**

Verified by: **Nagesh B.M.**

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