



MILL TEST REPORTS

Bonney Forge
 14496 Croghan Pike
 Mt. Union, PA 17066

CERTIFIED MILL TEST REPORT

Plesa Anahuac y Cias S.A. de C.V. 3/13/2015

LOT NO.
 57899

CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS
 2" 3M A105N Tee Threaded

C	0.200	MN	1.040	P	0.007	S	0.023	SI	0.240
NI	0.020	CR	0.020	MO	0.000	CU	0.100	CO	0.002
V	0.004	AL	0.032	Nb	0.015				
CE(LONG FORMULA) = 0.386									
T/S(PSI) 74873 Y/S(PSI) 50761 EL(%) 34.500 RA(%) 65.790									
BRINELL HARDNESS 130, 130									

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57999

2" 3M A105N Tee Threaded

C	0.200	MN	1.020	P	0.008	S	0.020	SI	0.210
NI	0.030	CR	0.030	MO	0.010	CU	0.110	CO	0.004
V	0.004	CB	0.015						
CE(LONG FORMULA) = 0.388									
T/S(PSI) 75000 Y/S(PSI) 50625 EL(%) 31.500 RA(%) 62.750									
BRINELL HARDNESS 130, 130									

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1. CERTIFYING ASTM A105-14 / ASME SA105-13 EDITION.
2. THE MATERIAL SUPPLIED IDENTIFIED AS A105N WAS NORMALIZED IN ACCORDANCE WITH ASTM A105 HEAT TREATING REQUIREMENTS.
3. THE MATERIAL SUPPLIED WAS INSPECTED AND MANUFACTURED IN ACCORDANCE WITH EN DIN 10204:2004 EDITION TYPE 3.1 INSPECTION DOCUMENT.

4. THE MATERIAL SUPPLIED AS A105N MEETS THE REQUIREMENTS OF BOTH NACE MRO103-2010 AND NACE MRO175/ISO 15156-2.
5. THE ELONGATION TEST RESULTS ARE OBTAINED USING STANDARD ROUND SPECIMEN, 2 INCH OR 50 MM GAGE LENGTH.

THIS DOCUMENT HAS BEEN ELECTRONICALLY SUBMITTED.

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