



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. 7/2/2015

LOT NO.
 58370

CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS

1 1/4" 3M A105N 90 Degree Elbow Threaded

C	0.190	MN	1.020	P	0.007	S	0.024	SI	0.180
NI	0.040	CR	0.050	MO	0.010	CU	0.100	CO	0.004
V	0.003	AL	0.022	N	0.004	Nb	0.016		
CE(LONG FORMULA) = 0.382									
T/S(PSI) 72500 Y/S(PSI) 47500 EL(%) 34.850 RA(%) 65.150									
BRINELL HARDNESS 135, 132									

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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.

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