

M6084BG

FOIA 2/11

New West Metals Inc

HUNTINGTON ALLOYS CORPORATION
A Special Metals Company
HUNTINGTON, WEST VIRGINIA 25705-1771

NOTE: THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTE.

HA ORDER NO./ITEM		DATE	PAGE	No.
100047934 1		05/06/11	1	15035
QUANTITY		INSPECTED BY		
1587 LBS		HA/SMC		
CHARGE ORDER NO		MARK ORDER NO		
88107X		88107X-5-051756500		
DESCRIPTION OF MATERIAL		HOT FIN RND ROUGH T STR REL		
6.5000 IN 120-168 IN NOM				

THIS IS TO CERTIFY THAT ALL REQUIRED SAMPLINGS INSPECTIONS AND TESTS HAVE BEEN PERFORMED IN ACCORDANCE WITH THE ORDER AND SPECIFICATION REQUIREMENTS. THE TEST REPORT REPRESENTS THE ACTUAL ATTRIBUTES OF THE MATERIAL FURNISHED AND THE VALUES SHOWN ARE CORRECT AND TRUE. THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN FULL COMPLIANCE WITH ALL ORDER AND INSPECTION REQUIREMENTS. WE HEREBY CERTIFY THAT THE BELOW FIGURES ARE IN ACCORDANCE WITH THE SPECIFIED CONTRACT REQUIREMENTS.

REV. 8/08

PO 76566
WO 5551
CPA 4-40

11/2/11
[Signature]

*****THIS REPORT RELATES ONLY TO THE ITEM(S) TESTED AND MAY NOT BE REPRODUCED EXCEPT IN FULL.*****

UNS: NO 4400

SPECIFICATIONS: ASTM B 164-03 (2008)\ASME SB-164 2010 EDITION NO ADDENDA\
ASTM B 564-06 CHEM ONLY\
ASME SB-564 2010 EDITION NO ADDENDA CHEM ONLY\
US FED QQ-N-281D AM 2 CL A FM 1 MARKING WAIVED\
QUALITY SYSTEM CERTIFICATION: ISO 9001:2008 (ABS-QE CERT. 30125);
EN 10 204/DIN 50049 (TYPE 3.1)

HEAT#	CHEMICAL ANALYSIS (WT. %)									
	C	MN	FE	S	SI	CU	NI	AL	CO	
M6084BG	0.12	1.11	2.50	0.003	0.29	30.94	64.90	0.08	0.04	
	0.013	3.0	7.9	10.1	64.94					

COUNTRY OF ORIGIN: MELTED AND MANUFACTURED IN THE USA
TO CONVERT PPM TO WT.%, MOVE DECIMAL POINT FOUR PLACES TO THE LEFT.
MELT METHOD: EF/AOD + ELECTROSLAG REMELTED

HEAT# M6084BG12
[Barcode]
TRACER# 646803

MECHANICAL PROPERTIES			
HARDNESS	TENSILE	YIELD	ELONGATION
82.1	0.482	0.903	41.5
			73.6

HEAT/LOT: M6084BG 12 1 PC
ROOM TEMP-HRB -AS SHIPPED
PC# 13

YIELD STRENGTH WAS DETERMINED USING A STRESS STRAIN CURVE

NO WELDING OR WELD REPAIR WAS PERFORMED.

MATERIAL HEAT TREAT: STRESS RELIEVE AT 1100 DEG. F. FOR 1 HOUR

COPY

SV
[Signature]

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HUNTINGTON, WEST VIRGINIA 26708-1771

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CERTIFIED MATERIAL TEST REPORT		No. 15035	
HA ORDER NO./ITEM	DATE	PAGE	OF
100047934 1	05/06/11	2	2
QUANTITY	INSPECTED BY	THIS TO CERTIFY THAT ALL REQUIRED SAMPLES INSPECTIONS AND TESTS HAVE BEEN PERFORMED IN ACCORDANCE WITH THE ORDER AND SPECIFICATION REQUIREMENTS. THE TEST REPORT REPRESENTS THE ACTUAL ATTRIBUTES OF THE MATERIAL FURNISHED AND THE VALUES SHOWN ARE CORRECT AND TRUE. THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN FULL COMPLIANCE WITH ALL ORDER AND INSPECTION REQUIREMENTS. WE HEREBY CERTIFY THAT THE BELOW FIGURES ARE IN ACCORDANCE WITH THE SPECIFIED CONTRACT REQUIREMENTS.	
1587 LBS	HA/SMC	REV. 608	
CHARGE ORDER NO.	MARK ORDER NO.	88107X-S-051756500	
88107X	HOT FIN RND ROUGH T STR REL		
DESCRIPTION OF MATERIAL	6.5000 IN 120-168 IN NON		

THEN AIR COOLED.

VISUAL AND DIMENSIONAL EXAMINATION SATISFACTORY. MATERIAL, WHEN SHIPPED, IS FREE FROM CONTAMINATION BY MERCURY, RADIUM, ALPHA SOURCE, & LOW MELTING ELEMENTS. "CHEMICAL ANALYSIS AS REQUIRED FOR CARBON, SULFUR, NITROGEN OR OXYGEN IS PERFORMED BY COMBUSTION TECHNIQUES. ALL OTHER REPORTED ELEMENTS ARE ANALYZED BY X-RAY AND/OR EMISSION SPECTROSCOPY."

"QUALITY SYSTEM MEETS REQUIREMENTS OF DIRECTIVE 97/23/EC (PRESSURE EQUIPMENT DIRECTIVE), ANNEX 1, CHAPTER 4.3 PER ABS GROUP LTD CERTIFICATE 41734 (EXPIRES JULY 31, 2011)."

HUNTINGTON ALLOYS CORPORATION IS AN ACCREDITED INDEPENDENT NADCAP MATERIALS TESTING LABORATORY VIA CERTIFICATE NUMBER 127805 (EXPIRES APRIL 30, 2011) FOR ALL TESTING SPECIFIED IN THE SCOPE OF ACCREDITATION.

MATERIAL PRODUCED UNDER QA SYSTEM DOCUMENTED IN HUNTINGTON ALLOYS CORP QA MANUAL REV. 49, DATED 2/17/2011

AUTHORIZED QUALITY CERTIFICATION REPRESENTATIVES : W.E. BOLEN, M.A. MORRISON, D.K. MILLER

W.E. Bolen

HEAT# M60348612
TRACER# 6468803

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For Ball