



*Reading Alloys, Inc.*

220 Old West Penn Ave. Robesonia, PA 19551

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.



## Product Specification

<b>Title:</b> 50 Molybdenum - 50 Nickel		<b>Specification No.</b> RAI-0021 <b>Revision:</b> 8
<b>Department:</b> Thermite	<i>Approved &amp; Released Product Specification</i>	<b>Implementation Date:</b> 09/20/2000
<b>Area:</b>		
<b>Type of Document:</b> RAI Product Specification		<b>Review Period - 365 Days</b>

### Product Information:

<b>Category:</b> Finished goods	<b>Product Line:</b> Thermite Line 1
<b>Part Number:</b> 30902	<b>Revision:</b> 1
<b>Description:</b> Al - Fe - V	
<b>Customer Part #:</b>	<b>Engineer:</b> James Robison

### 1.0 Product Specification:

ELEMENT	SPECIFICATION
*Molybdenum	47-51%
*Nickel	47-51%
Aluminum	0.050% Max
Boron	0.003% Max
Carbon	0.050% Max
Iron	0.50% Max
Manganese	0.010% Max
Phosphorus	0.020% Max
Silicon	2.20% Max
Sulfur	0.025% Max
Nitrogen	0.015% Max

Oxygen	0.150% Max
Other chemistry available upon request	

**2.0 Special Requirements:**

**2.01 Size:**

5/16 inch x down. Other sizes available on request.

**2.02 Inspection:**

Visual

**2.03 Packaging:**

500 pounds in 17 gallon open-head drums with lid and bolt type ring.  
Other packaging available on request.

\* indicates change from last revision

**3.0 Safety & Environmental Information:**

**4.0 Associated Documents:**

Associated Quality System Documents - None

Click to Open an Associated Document

**5.0 Document Revision History:**

<b>Revision:</b> 8	<b>Date Created:</b> 09/18/2008 <b>Date of Last Revision:</b> 09/24/2008	<b>Last Approval Date:</b> 09/24/2008
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<b>Document Author:</b> Beth Maiocchi	
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**6.0 Reason for Change:**

Revision:	Sec/Para Changed	Change Made:	Date
1	N/A	Initial Issue of Document	2/24/77
2	N/A	Unknown	6/1/79
3	N/A	Unknown	11/20/92
4	N/A	Unknown	5/13/93
5	N/A	Change to Lotus Notes Format	12/10/98
6	Sect 8	Additional Signatory	6/7/99
7	Sect 1	Remove Typical	4/20/2000
8	Sect 1	Change Mo & Ni to allow for low silicon material	above

**7 Notification List:**

**8.0 Approvals:**

**First Approver's Signature**

**Name:** James Robison/PA-ROB/Ametek  
**Title:** Director of Technology

Sep 24, 2008 03:56:29 PM EDT - Approved by: James Robison/PA-ROB/Ametek

Uncontrolled Document

**Document History Section**