

AWS A5.19-92 (R2015)
An American National Standard

Specification for Magnesium Alloy Welding Electrodes and Rods



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Approved by the
American National Standards Institute
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Specification for

Magnesium Alloy Welding

Electrodes and Rods

Supersedes AWS A5.19-90

Prepared by the
American Welding Society (AWS) A5 Committee on Filler Metals and Allied Materials

Under the Direction of the
AWS Technical Activities Committee

Approved by the
AWS Board of Directors

Abstract

This specification prescribes requirements for the classification of bare magnesium alloy welding electrodes and rods for use with the gas metal arc, gas tungsten arc, oxyfuel gas, and plasma arc welding processes. Classification is based upon chemical composition of the welding wire. Standard sizes, finish, winding requirements, package forms and weights, product information, and chemical composition limits are specified.



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Foreword

This foreword is not part of AWS A5.19-92 (R2015), *Specification for Magnesium Alloy Welding Electrodes and Rods*, but is included for informational purposes only.

This document represents the fifth revision or reaffirmation of the specification initially issued in 1966 as a joint ASTM/AWS specification. Very soon after its publication, the ASTM agreed to accept the AWS as the sole society responsible for the development and publication of filler metals specifications.

In recent years, the AWS filler metal specifications have been recognized by the American National Standards Institute. The evolution of this specification is shown below:

ASTM B448-66T AWS A5.19-66T	<i>Tentative Specification for Magnesium-Alloy Welding Rods and Bare Electrodes</i>
AWS A5.19-69 ANSI W3.19-1973	<i>Specification for Magnesium-Alloy Welding Rods and Bare Electrodes</i>
ANSI/AWS A5.19-80	<i>Specification for Magnesium-Alloy Welding Rods and Bare Electrodes</i>
ANSI/AWS A5.19-90	<i>Specification for Magnesium-Alloy Welding Rods and Bare Electrodes</i>
ANSI/AWS A5.19-92	<i>Specification for Magnesium-Alloy Welding Rods and Bare Electrodes</i>
ANSI/AWS A5.19-92 (R2006)	<i>Specification for Magnesium-Alloy Welding Rods and Bare Electrodes</i>

Your comments for improving the *Specification for Magnesium Alloy Welding Electrodes and Rods* are welcome. Submit comments to the Managing Director, Technical Services Division, American Welding Society, 8669 NW 36th St, #130, Miami, FL 33166; telephone (305) 443-9353; fax (305) 443-5951; e-mail info@aws.org; or via the AWS web site <<http://www.aws.org>>.

Official interpretations of any of the technical requirements of this standard may be obtained by sending a request, in writing, to the Managing Director, Technical Services Division, American Welding Society. A formal reply will be issued after it has been reviewed by the appropriate personnel following established procedures.

Table of Contents

	Page No.
<i>Personnel</i>	v
<i>Foreword</i>	ix
<i>Table of Contents</i>	xi
<i>List of Tables</i>	xiii
<i>List of Figures</i>	xiii
1. Scope	1
2. Classification	1
3. Acceptance	1
4. Certification	1
5. Units of Measure and Rounding Procedure	1
6. Summary of Tests	3
7. Retest	3
8. Weld Test Assemblies	3
9. Chemical Analysis	6
10. Radiographic Test	6
11. Bead-on-Plate Test	6
12. Method of Manufacture	6
13. Standard Sizes	7
14. Finish and Uniformity	7
15. Standard Package Forms	8
16. Winding Requirements	9
17. Filler Metal Identification	10
18. Packaging	10
19. Marking of Packages	10
Appendix—Guide to AWS Specification for Magnesium Alloy Welding Electrodes and Rods	13
A1. Introduction	13
A2. Classification System	13
A3. Acceptance	13
A4. Certification	14
A5. Ventilation During Welding	14
A6. Welding Considerations	14
A7. Description and Use of Magnesium Alloy Electrodes and Rods	15
A8. Special Tests	15
A9. General Safety Considerations	15
AWS Filler Metal Specifications and Related Documents	21

List of Tables

Table	Page No.
1	Chemical Composition Requirements for Magnesium Alloy Electrodes and Rods 2
2	Required Tests 3
3	Base Metal for Test Assemblies 5
4	Standard Sizes 8
5	Standard Packages, Dimensions, and Weights 9
A1	Guide to the Choice of Filler Metal for General Purpose Welding 16

List of Figures

Figure	Page No.
1	Groove Weld Test Assembly for Radiographic Test. 4
2	Radiographic Acceptance Standards for Test Assemblies — Overhead Welding Position 7
3	Radiographic Acceptance Standard for Test Assemblies — Flat Welding Position. 8
4	Dimensions of 4 in (100 mm) Diameter Spool 9
5	Dimensions of 8 and 12 in (200 and 300 mm) Diameter Spools 10
6	Dimensions of 13-1/2 in (340 mm) Diameter Spool 11