



Base Metal Grouping for Welding Procedure and Performance Qualification



American Welding Society®

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Base Metal Grouping for Welding Procedure and Performance Qualification

2nd Edition

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Prepared by the
American Welding Society (AWS) B2 Committee on Procedure and Performance Qualification

Under the Direction of the
AWS Technical Activities Committee

Approved by the
AWS Board of Directors

Abstract

This document provides the AWS base metal grouping for welding procedure and performance qualification and is identical to Annex D of AWS B2.1/B2.1M:2009-ADD1, *Specification for Welding Procedure and Performance Qualification*.



American Welding Society®

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Base Metal Grouping for Welding Procedure and Performance Qualification

1. Scope

This publication is an extract of AWS B2.1/B2.1M:2009-ADD1, *Specification for Welding Procedure and Performance Qualification*, and is identical to Annex D, Base Metal Grouping, in the 2009 Addenda edition of that standard. This publication supersedes AWS B2.1-BMG:2005. Underlined text or a vertical line in the margin indicates a revision from the 2005 edition.

This publication may be referred to by other codes and standards that have welding procedure and performance requirements in order to avoid duplication of materials tables in those publications.

Base metals and filler metals have been grouped into categories that will minimize the number of qualification tests required. Substitution of one base metal or filler metal for another, even when within the allowable rules, should only be made after an evaluation of the factors involved. For some materials, additional tests may be required. Materials not listed require separate qualification.

Addenda

The following Addenda have been identified and are incorporated in this reprint.

Page 3—**D1. Base Metal Specifications**—*Remove “AISI”*

Page 3—**D1. Base Metal Specifications**—*Add “Table D.3 lists base metal specifications for iron castings in accordance with AWS D11.2 groups.”*

Pages 4–67—**Table D.1, List of Base Metal Specifications**—*New base metals have been added and corrections have been made to Table D.1*

Pages 68–192—**Table D.2, M-Number Listing of Base Metals**—*New base metals have been added and corrections have been made to Table D.2*