



## AWS D1.1 Interpretation

**Subject:** Imperial and metric pipe sizes  
**Code Edition:** 2000  
**Code Provision:** Table 4.2  
**AWS Log:** D1.1-00-I01

**Inquiry:**

- 1) Could the committee confirm that the Standard Test Pipe sizes in both the Imperial and Metric tables are the same?
- 2) Does the committee have any guidance on how the ranges of deposited thicknesses should be determined in the AWS Code?

**Response:**

- 1) The standard test pipe sizes in Table 4.2 of AWS D1.1:2000 with dimensions in both inches and millimeters are the same pipe sizes; however, the inquirer should refer to the new paragraph 1.8 Standard Units of Measurement in the D1.1/D1.1M:2002 Code for cautionary information.
- 2) No guidance on how the ranges of deposited thicknesses should be determined for multi-processes in the AWS D1.1/D1.1M:2000 Code can be given as Subcommittee 2 on Qualification is currently considering new thickness rules for qualified multi-processes procedures for publishing in the 2006 Code.

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AWS D1.1, Structural Welding Code—Steel, is prepared by the AWS Structural Welding Committee. Because the Code is written in the form of a specification, it cannot present background material or discuss the committee's intent.

Since the publication of the first edition of the Code, the nature of inquiries directed to the American Welding Society and the Structural Welding Committee has indicated that there are some requirements in the Code that are either difficult to understand or not sufficiently specific, and other that appear to be overly conservative.

It should be recognized that the fundamental premise of the Code is to provide general stipulations applicable to any situation and to leave sufficient latitude for the exercise of engineering judgment. Another point to be recognized is that the Code represents the collective experience of the committee; and, while some provisions may seem overly conservative, they have been based on sound engineering practice.