



AWS D1.3 Interpretation

Subject: Minimum reinforcement and concave profile for arc spot and arc seam welds
Code Edition: D1.3-98
Code Provision: Sections 6.1.1 and 6.1.1.2
AWS Log: D1.3-98-I02

Inquiry:

- (1) Is the crater to be filled and 1/32 inch reinforcement applied as it is applicable to procedure qualification?
- (2) Is a concave weld visually acceptable?
- (3) Must the crater be filled with 1/32 inch reinforcement?

Response:

- (1) Yes
- (2) Yes
- (3) Yes

AWS D1.3, Structural Welding Code—Sheet 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.