



AWS D1.1 Interpretation

Subject: WPS Qualification Tables
Code Edition: D1.1-82, D1.1-90
Code Provision: Tables 5.10.5 and 5.4
AWS Log: ID1-90-021-03

Inquiry: (1) Do AWS D1.1-82, Table 5.10.5 and D1.1-90, Table 5.4, have text stating that groove weld testing on plate will also qualify for fillet?
(2) Will a pipe groove 6GR procedure qualification test qualify for complete and partial penetration groove (butt and T) joints and fillets on plates?

Response: (1) No. Information contained in tables need not have supporting text. Provisions stated in tables of the Code are as equally binding as textural material.
(2) Yes. See Table 5.4 of D1.1-90 and applicable footnotes for joints qualified.

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.