



AWS Amendment Notice

The following Amendment has been made and incorporated into the current edition of this document.

AWS Standard: D14.1/D14.1M:2005, *Specification for Welding of Industrial and Mill Cranes and Other Material Handling Equipment*

Amendment Number: 1

Subject: Table 2, Allowable Stress in Weld Metal

Table 2
Allowable Stress in Weld Metal

Type of Weld	Stress in Weld ⁽¹⁾		Allowable Stress	Required Weld Strength Level ⁽²⁾
Complete joint penetration groove welds (Joint Class I, II, III, or IV)	Shear on the effective area		0.27 times nominal tensile strength of weld metal, except shear stress on base metal shall not exceed <u>0.36</u> times yield strength of base metal.	Weld metal with a strength level equal to or less than matching weld metal may be used.
Partial joint penetration groove welds (Joint Class IV or V)	Compression normal to effective area	Joint not designed to bear	0.45 times nominal tensile strength of weld metal, except shear stress on base metal shall not exceed 0.55 times yield strength of base metal.	Weld metal with a strength level equal to or less than matching weld metal may be used.
		Joint designed to bear	Same as base metal	
	Tension or compression parallel to the axis of the weld ⁽³⁾		Same as base metal	
	Shear parallel to axis of metal		0.27 times nominal tensile strength of weld metal, except shear stress on base metal shall not exceed <u>0.36</u> times yield strength of base metal.	
	Tension normal to effective area		0.27 times nominal tensile strength of weld metal, except shear stress on base metal shall not exceed <u>0.55</u> times yield strength of base metal.	

NOTE: Underlined values are revised. This is a partial representation of Table 2.

The purpose of this amendment notice is to inform the public that a published standard has been technically corrected. An amendment is the correction of an error in substantive content in a published standard that had been inadvertently approved by the required approval procedures.

(Amendment Notice: July 19, 2017)