

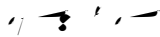
If you've ever asked yourself "Why?" about something related to structural steel design or construction, *Engineering News-Record's* monthly Steel Interchange column is for you! Send your questions or comments to [enr.construction@mhfi.com](mailto:enr.construction@mhfi.com).



## Fillet Weld Terminations

Not necessarily. Fillet weld terminations are addressed in AISC Section J2.2b. Roughly two-thirds of the way through that section, you will find the statement: "Fillet weld terminations are permitted to be stopped short or extend to the ends or sides of parts or be boxed except as limited by the following." Four cases are then listed that have specific requirements. As long as one of these four cases does not apply to your joint, then the fillet welds can be stopped short or extended; either practice is acceptable.

If fillet welds are terminated, the inspector is correct regarding the appropriate distance to terminate a fillet weld from the edge of the part. Please see the "User Note" after the list of four cases in Section J2.2b. The user note recommends that "fillet weld terminations should be located approximately one weld size from the edge..."



## Bolt Installation

The equation is based on the work of Graham (1960) listed in the references to the *AISC Specification for Structural Steel Buildings*. The equation is based on the work of Graham (1960) listed in the references to the *AISC Specification for Structural Steel Buildings*. The equation is based on the work of Graham (1960) listed in the references to the *AISC Specification for Structural Steel Buildings*.

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### ANSI Roughness Criteria

*Code of Standard Practice* .2.2  
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The 500 value refers to a finished surface roughness of 500  $\mu\text{in.}$  (micro-inches). The user note to AISC *Code*, Section 6.2.2 states that most cutting and milling processes meet this