

## Stud Shear Connectors

Blue-Arc/Image Industries, Inc.  
Huntley, IL

Cox Industries  
New Haven, MI

L-TEC Welding & Cutting Systems  
Ashtabula, OH

NSS Industries  
Plymouth, MI

Stud Welding Assoc.  
Strongsville, OH

Tru-Fit Products Corp. - Tru-Weld Division  
Medina, OH

TRW/Nelson  
Irving, TX

### Method of Documentation of Acceptance:

**By brand and source.**

### Method of Approval:

**Qualification of a stud shear connector manufacturer is based on submittal of certified tests on stud bases conducted by a recognized independent laboratory in accordance with AHTD Standard Specifications, and AWS Bridge Welding Code, D 1.5.**

**A stud base remains qualified until the manufacturer makes any changes in the stud base geometry, material, flux or arc shield which affects the welding characteristics.**

**The following will also apply for products containing iron or steel:**

**All iron and steel material used on Department projects must be in compliance with the "Buy America" requirements and the Department's "Standard Specifications for Highway Construction", Subsection 106.01. This means all manufacturing processes of iron and steel in a product (i.e., smelting/remelting and any subsequent process which alters the steel material's physical form or shape or changes its chemical composition) must occur within the United States to be considered of domestic origin. This includes processes such as rolling, extruding, machining, bending, grinding, drilling and applying coatings. The use of pig iron or processed, pelletized and reduced iron ore manufactured outside of the United States is permitted in the domestic manufacturing process for steel and/or iron**

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materials. All steel and iron mill test reports must include a certified statement that all manufacturing processes for the iron or steel product occurred in the United States. Each supplier/fabricator of an intermediate product will also certify that the product complies with the "Buy America" requirements.

No information contained in these lists is to be used for promotional purposes.

The manufacturer of privately labeled products must be disclosed.