Save time and money with Nelson Stud Welding’s latest innovation in concrete anchorage and reinforcement—the patented D6L A706 deformed bar stud anchor. It is currently the only fully stud-weldable concrete anchor that eliminates the need for pre-heat or specialized welding equipment and accessories.
D6L A706 Weld Studs

Deformed bar stud anchor is fully stud-weldable without the need for pre-heat or specialized welding equipment and accessories.

The D6L A706 meets all the requirements of:
- **ASTM A706**: Standard specification for deformed and plain low-alloy steel bars for concrete reinforcement - Grade 60
- **ACI 318**: Earthquake-resistant structures
- Seismic design requirements for ductile steel reinforcing elements
- Stud-weldable in accordance with the requirements
  - **AWS D1.1 / D1.1M Structural**
- **Welding Code**: Steel clause 7 Stud Welding

**D6L A706 applications:**
- Seismic management
- Precast concrete grade crossings
- Concrete connections where ductility is key
- Bridge & building construction
- Thread, bent and straight bar stud applications

**Benefits of Nelson Stud Welding:**
- Automatic machine-controlled welds for ease of use
- Full penetration welds
- Faster production than traditional hand welding methods
- Perfect for remote or hard to access applications

Visit stanleyengineeredfastening.com/nelson or call 1-800-NELWELD

Two Helpful Design Software Programs for Construction Engineers:

**PSR Stud Designer**
Using ACI-421 & ACI-318 codes, this helpful calculation software is used to design stud-welded punching shear reinforcement studs and punching-shear reinforcement rails to improve punching-shear strength and ductility of slab-column connections.

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**Embedment Designer**
Following the PCI Design Handbook 7th Edition (ACI-3018-05 Appendix D) for the design of rectangular embedment plates, this web-based software offers engineers & designers three helpful tools to aid in the design of embedment plates.

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