

STANLEY
Engineered Fastening



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.

NELSON
D6L A706
Weld Studs

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. psr.stanleyengineeredfastening.com

Embedment Designer

Following the PCI Design Handbook 7th Edition (ACI-308-05 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.

embed.stanleyengineeredfastening.com