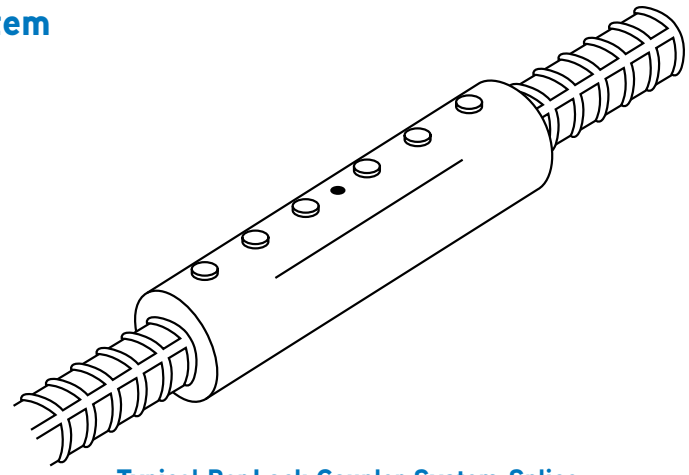
Dayton Superior Bar Lock® Coupler System

IAPMO UES Listed ER-319

The Dayton Superior Bar Lock Coupler System provides a simple, quick, cost effective method for splicing rebar in tension and/or compression applications. Bar Lock Couplers may be used with plain or epoxy coated rebars in sizes #4 through #18.

Bar Lock Couplers utilize lock-shear bolts and special grip rails to mechanically splice the rebar. The serrated grip rails cradle the rebar and are embedded in the rebar as the lock-shear bolts are tightened. The heads of the lock-shear bolts are designed to shear off at a prescribed torque in order to accomplish proper installation.



Typical Bar Lock Coupler System Splice
U.S. Patent No. 4,666,326 and 5,046,878

System Advantages:

- **Quick and easy to install – saves time and money.**
- **Eliminates bar threading and/or special bar end treatment.**
- **No special installation equipment required.**
- **High strength in tension, compression and seismic applications.**
- **Available in standard, transition and weldable end anchor versions in #4 through #18 sizes.**
- **Ideal for new construction and rehab projects.**

System Compliance

Bar Lock Couplers are test-certified to exceed the requirements of, are pre-qualified and approved, or recognized by the following building approval agencies:

- **State Departments of Transportation**
- **International Code Council (ICC)**
- **International Building Code (IBC)**
- **American Concrete Institute (ACI)**
- **Concrete Reinforcing Steel Institute (CRSI)**
- **City of Los Angeles Department of Building and Safety**

Bar Lock Coupler source material is fabricated under ISO 9000 quality standards. Bar Lock couplers are tested by independent, certified testing laboratories in four modes of testing: tension, compression, fatigue and cyclic. All tests are done to the requirements of IAPMO and/or Caltrans requirements utilizing ASTM A615 and A706 grade 60, 75, and 80.

Typical Specification

Specific:

- **Mechanical connections shall be Bar Lock® lockshear bolt couplers as manufactured by Dayton Superior Corporation.**

Generic:

- **The mechanical connection shall meet building code requirements of developing in tension and compression as required by _____ (insert name here). The mechanical connection shall be the positive butt splices utilizing lock shear bolts and internal serrated grip rails within the coupling sleeve manufactured from high quality steel. All couplers shall be installed per the manufacturer's approved procedures.**

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