

INSTALLATION

FACTORY INSTALLATION:

1. Attach D491 Sleeve-Lock® Form Plug to formwork
2. Attach D487 Sleeve-Lock® Seal Plug onto factory end of D410 Sleeve-Lock® Grout Sleeve
3. Push sleeve field end onto form plug until the outside face of the sleeve is against the form. Hold the sleeve firm against the form and tighten wing nut of form plug. Rubber grommet will swell, making the connection "concrete tight".
4. Insert rebar through seal plug into the sleeve factory end, using rebar chairs as needed to support sleeve. The integrated rebar stop in the sleeve assures specified embedment of rebar into the sleeve.
5. Insert D492 Sleeve-Lock® 0.75" SCH40 PVC into ports and cap with D493 Sleeve-Lock® Port Plug
6. Concrete Pouring: During pouring and operation of internal vibrator, take care to not displace the sleeves, rebar, and PVC sleeve from installed positions.
7. After pouring concrete into the mold and before steam curing, loosen the form plug nut. This helps lengthen the form plug service life. Once steam-curing has finished, remove the side mold with form plug intact. These can be unclamped and reused later.

FIELD INSTALLATION:

1. Place D487 Sleeve-Lock Seal Plugs on dowel bars protruding from the foundation. When upper precast element is lowered into position, the plug will prevent bedding mortar from entering the sleeve.
2. Insert tubing into bottom port and pump in D490 Sleeve-Lock Grout or Turbo LT 12,. Pump grout until it flows out of the top port.
3. Quickly cap ports after grouting sleeves to prevent grout from leaking out of sleeve assembly.
4. The precast elements are temporarily braced while the grout cures sufficiently in the sleeves.

SEE THE VIDEO AT:

www.youtube.com/watch?v=o7_zabhPtFA



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**PERFORM
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PRECISION™**



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**PERFORM
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**SLEEVE-LOCK®
GROUTED
REBAR SPLICING**

CONCRETE
CONSTRUCTION
SOLUTIONS

A proven grouted rebar splicing solution that is **STRONGER, FASTER** and **SMARTER** than ever.



**DAYTON®
SUPERIOR**

ADVANTAGES

PERFORMING WITH PRECISION

SIZED JUST RIGHT

- Seven sizes to accommodate #4 to #18 rebar
- Ports designed to accept 3/4" SCH40 PVC

ENGINEERED FOR CONVENIENCE

- Integrated internal post acts as a rebar stop
- Positioning fins keep inserted rebar centered
- Stacking feet both stabilize and assist in wire-tying

TESTED AND CERTIFIED

- Compliant with ACI 318 and CALTRANS
- Exceeds Type 2 splice criteria

DESIGN VERSATILITY

- Por epoxy-coated
- Two grout options for a complete system



"By using the Sleeve-Lock Grout Sleeve, we could make two panels instead of one and use a more maneuverable and smaller crane, while still complying with the tough OSHA safety guidelines. This substitution allowed us to save over \$100K in crane rental costs, lost work time, and decreased efficiencies associated with a larger crane."

Ray Cartaya
Florida Tilt

SLEEVE-LOCK GROUT SLEEVE

No-thread Sleeve Ends

Eliminates costly pre-threaded rebar and on-job-site threading

Stacking Feet

Feet aid stabilization, stacking ability.

Alignment Guides

Aligns rebar into the center of the sleeve

Center Stop Pin

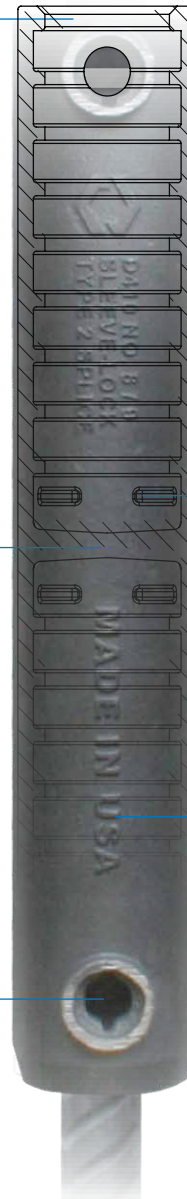
Ensures full rebar engagement

Made in America

Made from iron, melted and cast in the USA

Ports

Designed for 3/4" SCH 40 Pipe



"Overall, the Dayton Superior Sleeve-Lock Grout Sleeve was of great quality and saved production time."

Tim Meckes
Coreslab Structures

GROUT OPTIONS

D490 SLEEVE-LOCK® GROUT

The D490 Sleeve-Lock Grout USA is a specially formulated cement-based, non-metallic, non-shrink grout. When used in conjunction with the D410 Sleeve-Lock Grout sleeve, it creates a fully integrated system.

- Meets Corps of Engineers Specification CRD-C621 for non-shrink grout
- Meets ASTM C-1107, C-827, and C-1090
- Temperature Range: 50°F to 90°F (10°C to 32°C)
- **Full ultimate strength in 24 hrs at 70°F (21°C)**

TURBO GROUT® LT 12

Turbo Grout LT is a non-shrink, non-corrosive, non-metallic cementitious grout designed for use in cooler temperatures. When installed at low temperatures, it ensures faster set times and quicker strength gain than normal cement based non-shrink grouts.

- Meets ASTM C-1107 even at 35°F to 40°F (1.7°C to 4.4°C)
- Temperature Range: 35°F to 70°F (1.7°C to 21.1°C)
- **Full ultimate strength in 7 days at 35°F (1.7°C)**

