CONNECT AND PROTECT

nVent LENTON Form Saver

And Other Reinforcing Bar Assemblies
Form Saver Benefits

Form Saver splices out perform dowel bars because of their ability to develop strength requirements independent of concrete cover. Their ease of installation, consistent performance, and durability add value and integrity to your structure.

Form Saver Applications

Form Savers are ideal for:

- Slip and jump forming
- Segmental pours
- Stairwell applications
- Equipment hatch openings
- Tower crane openings
- Slabs
- Bridge decks
- Future extension

Form Saver is recognized by or meets the standards of:

- AASHTO®
- ACI 318 Type 1 and Type 2
- IAPMO-UES Report 0129
- IBC® Type 1 and Type 2
- Ontario MTO
- U.S. Army Corp of Engineers
Dowel Bar vs. Form Saver

Dowel bars, the reinforcing steel that protrudes through formwork, have been the traditional method for joining bars in segmental construction. Contractors and construction product suppliers have discovered that dowel bar substitutes improve their schedules and bottom line by eliminating costly form cleaning and repair.

**Protruding Dowel Bars**
- Prevent slip forming
- Create safety hazards
- Make form removal difficult and time consuming
- Damage costly formwork
- Can be broken or bent

**Form Saver**
**Provides Quality, Speed, Value and Efficiency**

Form Saver efficiently addresses the challenge of joining reinforcing steel bar (rebar) in segmental construction while protecting valuable forms from damage, and providing for enhanced structural integrity.

- Allows for easier slip, gang and jump forming
- Provides greater structural integrity
- Eliminates the on-site safety hazard of protruding dowel bars
- Eliminates drilling of expensive formwork
- Protects valuable forms by allowing stripping, cleaning and recycling of forms in less time
- Includes durable mounting plates for easy attachment to forms, which reduces installation time
- Maintains reinforcing bar continuity independent of concrete cover
- Exceeds ACI® 318 Type 1 (125% of specified yield) and Type 2 (specified ultimate) splice requirements and other international building-code requirements

**Before Concrete Pour**

Exposed dowels on the job site are a hazard. In addition, they can be bent or damaged.

Drilling forms for dowels is expensive, and form removal is difficult and time consuming.

Instead of drilling, simply nail the Form Saver onto the form.
Form Saver dowel bar assemblies provide continuity and structural integrity to reinforced concrete construction in segmental pour applications. The Form Saver is designed with our unique nVent LENTON tapered thread, factory installed thread protectors, and durable mounting plates for easy attachment to forms. The taper threaded design, like the complete family of nVent LENTON couplers, provides load path continuity in tension, compression and stress reversal applications.

Form Saver Assemblies are available in two styles. Both styles perform equally, are available in multiple configurations and lengths, and are recognized on IAPMO-UES Report 0129. nVent LENTON mechanical splices provide superior performance well beyond the yield strength of the reinforcing bar.

The Form Saver is manufactured with the proprietary nVent LENTON taper thread:
- Positive lock, no-slip connection provides strength, consistency and reliability
- Eliminates cross-threading problems and job-site delays
- Requires 4-1/2 turns for complete installation
- Manufactured using an ISO® registered quality system
- nVent LENTON taper threads allow for a self-aligning connection

Internal threads of the coupler are protected by a metal disc or plastic plug pressed into the nail plate. After the forms are stripped, this disc can be removed exposing the contamination-free internal threads.*

The Form Saver nail plate is made of a heavy gauge steel.

Keyed holes allow you to first drive a nail into your form to hang the assembly. Remaining nails may then be driven providing quick and easy installation.

Nail Plate Dimensions:

| #4 – #8 | 2-1/4” x 2-1/4” |
| #9 – #11 | 2-1/2” x 2-1/2” |

*For “long-term” protection, use nVent LENTON plastic taper threaded plugs.
Form Saver Assemblies

Form Saver Assemblies are available in two styles. Both styles perform equally, are available in multiple configurations and lengths, and are recognized on IAPMO-UES Report 0129.

**FS Style**
The Form Saver coupler is friction forged to the reinforcing bar on one end and attached with a nVent LENTON tapered threaded bar on the other. FS Style assemblies are available in sizes #4 – #7 (12 mm – 22 mm).

**SA Style**
The Form Saver coupler is taper threaded on both ends and attached with two nVent LENTON taper threaded bars. SA Style assemblies are available in sizes #4 - #11 (12 mm – 36 mm).

Form Saver and other Reinforcing Bar (Rebar) Assemblies are available nationwide through our network of remote manufacturing centers, in order to provide prompt delivery. See the Form Saver Map (on the next page) or contact nVent for the style(s) available nearest you.

* Care should be taken when using bent male bars. The nVent LENTON taper bar should NOT be loosened to align the bar. Contact nVent if clarification is needed. Also, nVent LENTON Terminator may be used to replace bent or hooked bars.

---

**Form Savers**

See Form Saver Map to determine the coupler style(s) available in your region.

**Male Bars**

- **M**
- **M-M**
- **M-B**
- **M-JB**
- **M-BB-M**

---

**Form Savers**

See Form Saver Map to determine the coupler style(s) available in your region.

**Option 1**

- SA
- SACF
- SA-M
- SA-SA
- SA-B
- SA-JB

**Option 2**

- FS2
- FS2CF
- FS2-M
- FS2-FS2
- FS2-B
- FS2-JB

**Option 1**

- SA-D6
- SA-B
- SA-JB
- SA-B-SA
- SA-BB-SA

**Option 2**

- FS2-D6
- FS2-B
- FS2-JB
- FS2-B-FS2
- FS2-BB-FS2

SA Style couplers are also sold separately.

---

**Other Coupler Assemblies**

- **A2**
- **A2-M**
- **A2-A2**
- **A2-D6**
- **D6**
- **D6-M**
- **D6-D6**

- **P9**
- **P9-M**
- **LK**
- **LK-M**
- **LK-LK**
- **LK-SA**
- **LK-D6**

- Contact local manufacturing center for minimum bend length.
Form Saver Dowel Bar Systems Manufacturing Centers

Please contact the nVent LENTON Regional Manufacturing Center in your area.

CMC Rebar Fabricators
15050 Santa Ana Ave.
Fontana, CA 92335
phone: 909-873-3060
fax: 909-873-3020
Styles: SA, M

CMC Coatings of Texas
901 Cantrell Rd.
Waxahachie, TX 75165
phone: 972-937-9841
fax: 972-937-3995
Styles: SA, FS2, M

Summit Engineered Products
516 Elm Ridge Ave. N. E.
Canal Fulton, OH 44614
phone: 330-854-5388
fax: 330-854-5451
Styles: SA, FS2, M

FCS
6880 N Broadway
St Louis, MO 63147
phone: 888-385-5577
fax: 314-385-5941
Styles: SA, FS2, M

nVent
34600 Solon Rd.
Solon, OH 44139 USA
phone: 1-800-248-2677
fax: 1-800-462-4712
Styles: SA, FS2, M

NCA
172 Bethridge Rd.
Toronto, Ontario M9W1N3
phone: 416-245-4720
fax: 416-242-2727
Styles: SA, M

Cover images all contain Form Saver:
1 William Preston Lane Jr. Memorial Bridge, Chesapeake Bay, Maryland
2 One World Trade Center (Freedom Tower), New York City, New York
3 San Francisco – Oakland Bay Bridge, Eastern Span, San Francisco, California
4 Soldier Field, Chicago, Illinois
5 Mike O’Callaghan – Pat Tillman Memorial Bridge (Hoover Dam Bypass), Colorado River, Arizona / Nevada border
6 Bellagio, Las Vegas, Nevada
**Form Saver and Other Rebar Assemblies**

**Regional Manufacturing Center Form**

Date ____________________  PLEASE CHECK:  

<table>
<thead>
<tr>
<th></th>
<th>ORDER</th>
<th>RFQ</th>
<th>Page ____of ____</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHIP TO:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Company Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City, State, Zip</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contact Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone #</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fax #</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Est. Date Required</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Most Common Types**

See page 5 for full list of assemblies

- **All types threaded**
  - M
  - M-M
  - M-B
  - D6
  - D6-M
  - D6-D6

- **Threaded Type (SA)**
  - SA
  - SA-SA
  - SA-D6
  - SA-JB
  - SA-BB-SA

- **Friction Forged Type (FS2)**
  - FS2
  - FS2-FS2
  - FS2-D6
  - FS2-JB

* Care should be taken when using bent male bars. The nVent LENTON taper bar should NOT be loosened to align the bar. Contact nVent if clarification is needed. Also, Terminator may be used to replace bent or hooked bars.

**See Form Saver Map on page 6 to determine type available in your region.**

<table>
<thead>
<tr>
<th>Line</th>
<th>Quantity</th>
<th>Assembly Type</th>
<th>Bar Size</th>
<th>Epoxy or Black (E or B)</th>
<th>Bar Type and Grade</th>
<th>L1 Feet-Inches</th>
<th>L2 Feet-Inches</th>
<th>Decryption (if needed)</th>
<th>Each Weight (lb)</th>
<th>Each Price ($)</th>
<th>Total Price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td>SA-B</td>
<td>#4</td>
<td>B</td>
<td>A615 gr. 60</td>
<td>2’-4”</td>
<td>3’-6”</td>
<td>Bent SA Assy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Unique bend configurations available.**

**Terms and Conditions**

Prices quoted are valid for 30 days for purchase orders accepted by nVent and invoiced or shipped within 60 days. Due to volatility of raw material costs and availability, for orders placed beyond 60 days, we reserve the right to adjust price (up to 10%), quantity or shipping dates of your order. Final prices will be determined at the time nVent accepts a PO.

* *** Sales tax not included *** *

Subtotal
Charge to Expedite Order
Total FOB

Best Regards,

---

The Regional Manufacturing Center is a contracted manufacturing center for nVent, Solon, OH.
WARNING: nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at nVent.com/LENTON and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent’s instructions and warnings may cause product malfunction, property damage, serious bodily injury and/or death, and void your warranty.

©2018 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners. nVent reserves the right to change specifications without notice.

LENTON-SB-CP7L-FormSaver-NAEN-1805