



# Mechanical Couplers

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## Material Producer List

Materials and Tests Division

## Mechanical Couplers

The following mechanical coupler systems have been pre-qualified in accordance with [DMS-4510](#), “Mechanical Couplers for Reinforcing Steel.” These manufacturers have been pre-qualified to furnish these brand names and respective bar sizes for use on TxDOT projects. See TxDOT test method [TEX-743-I](#) for project sampling procedures.

“X” in the tables below indicate prequalification for a single bar size coupler as listed. “T#\_” in the tables below indicate prequalification for a transition coupler from the size in the heading to the size listed after the “T”.

For more information, contact MTD’s Rigid Pavements and Concrete Materials Section at (512) 506-5858.

**Table 1: Mechanical Coupler Producers  
(Grade 60 Reinforcement)**

| Producer            | Producer Code | Brand Name                        | Coupler Type   | Bar Size |    |    |          |    |          |          |          |                  |           |     |     |  |
|---------------------|---------------|-----------------------------------|--|----------|----|----|----------|----|----------|----------|----------|------------------|-----------|-----|-----|--|
|                     |               |                                   |  | #3       | #4 | #5 | #6       | #7 | #8       | #9       | #10      | #11              | #14       | #18 | #20 |  |
| Bar Splice Products | 99674         | Bar Grip system                   | Sleeve-swaged  |          | X  | X  | X        | X  | X        | X        | X        | X                | X         | X   | X   |  |
|                     |               | BPI BarSplicer XP                 | Sleeve-threaded  |          | X  | X  | X        | X  | X        | X        | X        | X                | X         |     |     |  |
|                     |               | Taper Threaded Grip-twist         | Two-piece coupler tapered threads cold swaged to rebar |          | X  | X  | X        | X  | X        | X        | X        | X                | X         | X   | X   |  |
|                     |               | Zap Screwlok Type 2 & Transitions | Wedge shaped coupler body w/lockshear bolts            |          | X  | X  | X<br>T#4 | X  | X<br>T#7 | X<br>T#8 | X<br>T#9 | X<br>T#9<br>T#10 | X<br>T#11 | X   |     |  |
| Dayton Superior     | 99540         | Bar-Lock S-Series                 | Internal serrated grip w/lockshear bolts               |          | X  | X  | X        | X  | X        | X        | X        | X                | X         | X   |     |  |
|                     |               | Bar-Lock L Series                 | Internal serrated grip w/lockshear bolts               |          | X  | X  | X        | X  | X        | X        | X        | X                | X         | X   |     |  |
|                     |               | DBDI Splice System                | Two-piece sleeve-threaded with upset threading         | X        | X  |    | X        |    | X        | X        | X        | X                |           |     |     |  |
|                     |               | D310 Taper-Lock Standard Coupler  | Sleeve-threaded (tapered)                              |          | X  | X  | X        | X  | X        | X        | X        | X                | X         |     |     |  |

**Table 1: Mechanical Coupler Producers  
(Grade 60 Reinforcement)**

| Producer                          | Producer Code | Brand Name                   | Coupler Type                                     | Bar Size |    |    |    |    |    |    |     |     |     |     |     |  |  |
|-----------------------------------|---------------|------------------------------|--|----------|----|----|----|----|----|----|-----|-----|-----|-----|-----|--|--|
|                                   |               |                              |  | #3       | #4 | #5 | #6 | #7 | #8 | #9 | #10 | #11 | #14 | #18 | #20 |  |  |
| nVent                             | 99275         | LENTON A2 Standard           | Sleeve-threaded (tapered)                        | X        | X  | X  | X  | X  | X  | X  | X   | X   |     |     |     |  |  |
|                                   |               | LENTON A12 Standard          | Sleeve-threaded (tapered)                        |          |    |    |    |    |    |    |     |     | X   | X   | X   |  |  |
|                                   |               | LENTON P9 Position           | Sleeve-threaded (tapered) - Position             |          |    |    | X  | X  | X  | X  | X   |     |     |     |     |  |  |
|                                   |               | LENTON P14L                  | Sleeve-threaded (tapered) - Position             |          |    |    |    |    |    |    |     |     | X   | X   | X   |  |  |
|                                   |               | LENTON Form Saver FS         | Sleeve-threaded (tapered)                        |          | X  | X  | X  |    |    |    |     |     |     |     |     |  |  |
|                                   |               | LENTON Form Saver SA         | Sleeve-threaded (tapered)                        |          | X  | X  | X  | X  | X  | X  | X   | X   |     |     |     |  |  |
|                                   |               | LENTON Cadweld               | Sleeve-filler                                    |          |    |    |    |    |    |    | X   | X   | X   |     |     |  |  |
|                                   |               | LENTON Connect S2            | Internal serrated grip w/lockshear bolts         |          | X  | X  | X  | X  | X  | X  | X   | X   |     |     |     |  |  |
| Headed Reinforcement Corp.        | 99241         | HRC 410/420                  | Sleeve-threaded with friction welds              |          |    |    |    |    |    |    |     | X   |     |     |     |  |  |
|                                   |               | HRC 500/510 Standard Coupler | Two piece sleeve with forged upset conical heads |          |    |    |    |    |    | X  | X   | X   | X   |     |     |  |  |
| Splice Sleeve North America, Inc. | 98268         | NMB Splice-Sleeve SNX        | Sleeve-filler                                    |          |    |    |    |    |    |    |     | X   |     |     |     |  |  |
|                                   |               | NMB Splice-Sleeve U-X        | Sleeve-filler                                    |          |    | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |  |  |

**Table 2: Mechanical Coupler Producers  
(Grade 75 Reinforcement)**

| Producer                        | Producer Code | Brand Name                       | Coupler Type              | Bar Size |    |    |    |    |    |    |     |     |     |     |     |   |   |
|---------------------------------|---------------|----------------------------------|---------------------------|----------|----|----|----|----|----|----|-----|-----|-----|-----|-----|---|---|
|                                 |               |                                  |                           | #3       | #4 | #5 | #6 | #7 | #8 | #9 | #10 | #11 | #14 | #18 | #20 |   |   |
| Dayton Superior                 | 99540         | D310 Taper-Lock Standard Coupler | Sleeve-threaded (tapered) |          | X  | X  |    |    |    |    |     |     |     |     |     |   |   |
| Williams Form Engineering Corp. | 99825         | Williams Stop-Type Coupler       | Sleeve-threaded           |          |    |    |    |    |    |    |     |     |     |     |     | X | X |