



Mechanical Couplers

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.

Before sampling, the manufacturer must complete and furnish the Engineer [Form 1818](#) (D-9-USA-1, “Material Statement”) certifying that the mechanical couplers furnished meet specification requirements and that the product complies with the “Buy America Documentation Program” requirements in the Department’s [Material Inspection Guide](#).

Prior to use on the project, assemble 4 test specimens from each lot in the presence of the Engineer. A lot is defined as 500 couplers or fraction thereof, for each size and type on a single project. Ship the assembled test specimens to Materials and Tests Division (MTD), 9500 North Lake Creek Parkway (CP51), Austin, Texas 78717 for testing. MTD will not test unassembled couplers.

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
Bar Splice Products	99674	Bar Grip system	Sleeve-swaged	No. 4 through No. 18 No. 11/No. 14 transition
		BPI BarSplicer XP	Sleeve-threaded	No. 4 through No. 11
		Taper Threaded Grip-twist	Two-piece coupler tapered threads cold swaged to rebar	No. 4 through No. 18
		Zap Screwlok	Wedge shaped coupler body w/lockshear bolts	No. 4 through No. 18 No. 10/No. 11 transition
Dayton Superior	99540	Bar-Lock S-Series	Internal serrated grip w/lockshear bolts	No. 4 through No. 14
		Bar-Lock L Series	Internal serrated grip w/lockshear bolts	No. 4 through No. 18
		Dowel Bar Splicer System	Two-piece sleeve-threaded with upset threading	No. 3 though No. 5 No. 8 through No. 11
Pentair nVent	99275	LENTON A2 Standard	Sleeve-threaded	No. 3 through No. 10 No. 14 through No. 18
		LENTON A12 Standard	Sleeve-threaded	No. 11 through No. 18
		LENTON P9 Position	Position	No. 6 through No. 10
		LENTON P14L	Sleeve-threaded – Position	No. 11 through No. 18
		LENTON Form Saver	Sleeve-threaded	No. 4 through No. 6
		LENTON Cadweld	Sleeve-filler	No. 9 through No. 11

Producer	Producer Code	Brand Name	Coupler Type	Bar Size
Headed Reinforcement Corp.	99241	HRC 410/420	Sleeve-threaded with friction welds	No. 11
		HRC 500/510 Standard Coupler	Two piece sleeve with forged upset conical heads	No. 8 through No. 11
Splice Sleeve North America, Inc.	98268	NMB Splice-Sleeve SNX	Sleeve-filler	No. 11
		NMB Splice-Sleeve U-X	Sleeve-filler	No. 5 through No.14

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

Producer	Producer Code	Brand Name	Coupler Type	Bar Size
Williams Form Engineering Corp.	99825	Stop-Type Coupling	Sleeve-threaded	No. 20