

# 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 us 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 couplers 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 the Materials & Tests Division's Rigid Pavements and Concrete Materials Section at (512) 484-6484.

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

Producer	Brand Name	Coupler Type	Bar Size												
			#3	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18	#20	
Bar Splice Products	Bar Grip System	Sleeve-swaged		X	X	X	X	X	X	X	X	X	X T#11	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 with lockshear bolts		X	X	X T#4	X	X T#7	X T#8	X T#9	X T#10	X T#11	X	X	

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Producer	Brand Name	Coupler Type	Bar Size												
			#3	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18	#20	
Dayton Superior	Bar-Lock S-Series	Internal serrated grip with lockshear bolts		X	X	X	X	X	X	X	X	X	X		
	Bar-Lock L-Series	Internal serrated grip with lockshear bolts		X	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			
nVent	LENTON A2 Standard	Sleeve-threaded (tapered)	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					
	LENTON Cadweld	Sleeve-filler							X	X	X				
	LENTON Connect S2	Internal serrated grip with lockshear bolts		X	X	X	X	X	X	X	X				

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

**Table 3: Mechanical Coupler Producers  
(Grade 80 Reinforcement)**

Producer	Brand Name	Coupler Type	Bar Size											
			#3	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18	#20
NO PRODUCTS YET QUALIFIED														