STRUCTURAL MATERIALS TESTING BRANCH
OFFICE OF STRUCTURAL MATERIALS
CALIFORNIA DEPARTMENT OF TRANSPORTATION

UPDATED
December 17, 2007

PREQUALIFIED LIST OF COUPLERS ON REINFORCING STEEL

Type of Splice	Splice Company	Coupler Model	Service Splice Qualification (Bar Sizes)	Ultimate Splice Qualification (Bar Sizes)
Mechanical Couplers on ASTM A 706 Reinforcing Steel				
Sleeve-Swaged	BarSplice	BPI-GRIP™ (BarGrip®)	#3 through #18	
	BarSplice	BPI-GRIP™ (BarGrip®) XL	#5 through #18	#5 through #18
	BarSplice	Taper Threaded Grip-Twist®	#3 through #18; #11 to #18 transition; #11 to #14 transition; and #10 to #18 transition	#3 through #18; #11 to #18 transition; #11 to #14 transition; and #10 to #18 transition
	Dextra America	Griptec®	#4 through #18	
Sleeve-Forged	Dayton/Richmond (formerly Richmond Screw Anchor Co.)	DB/DI	#4 through #11	#4 through #11
	Dayton/Richmond (formerly Richmond Screw Anchor Co.)	US/MC	#4 through #18	#4 through #18
	Dextra	Bartec	#4 through #18	#4 through #18
Sleeve-Lock Shear Bolts	Dayton Superior (formerly Bar-Lock)	Bar-Lock S/CA Series (formerly S-series)	#4 through #18	
	Dayton Superior (formerly Bar-Lock)	Bar-Lock S/CA Series (formerly S-series)	#5 to #6 transition	
	BarSplice	ZAP Screwlok® Type 2 Series (Standard)	#4 through #11	
	BarSplice	ZAP Screwlok® Transition Coupler	#7/#5	
	Dayton Superior (formerly Bar-Lock)	Bar-Lock L Series	#3 through #14; and green epoxy-coated	
Sleeve-Threaded Bar	Dayton Superior (formerly Bar-Lock)	Bar-Lock XL	#4 through #18	#4 through #18
	Dayton Superior (formerly Bar-Lock)	Bar-Lock RXL	#6 through #18	#6 through #11, and #18
Sleeve-Tapered Thread	Erico	Lenton® Standard (A2)	#3 through #18	
	Erico	Lenton® Transition (A2)	#5/#4 through #18/#14	
	Erico	Lenton® Position (P8)	#6 through #18	

Notes:

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3. Caltrans takes no position respecting the validity of any intellectual property rights asserted in connection with any coupler on this list. Users of this list are solely responsible for determining the validity of any such intellectual property rights.
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7. If you have any questions about this list, please contact the appropriate Structural Materials Representative at http://www.dot.ca.gov/hq/esc/Translab/smforms/StructuralMaterialsRepresentatives.pdf.

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Sleeve-Tapered Thread (continued)	Erico	Lenton® Position (P9)	#6 through #18	
	Erico	Lenton® Formsaver	#3 through #11	
	Erico	Lenton® Interlock™ Rebar Splice System	#8	#8
	Erico	Lenton® Plus Position Coupler (P14L)	#8 through #14	#8 through #14
	Erico	Lenton® Plus Standard Coupler (A12)	#5 through #14	#5 through #14
	Fox-Howlett	Standard No-Slip Couplers	#6 through #18	
	Fox-Howlett	Position No-Slip Couplers	#6 through #18	
	Headed Reinforcement Corp.	HRC 410/420 Standard Coupler	#8 through #18	#8 through #18
	Headed Reinforcement Corp.	HRC 410/490 Position Coupler	#8 through #18	#8 through #18
Sleeve-Filler Metal	Erico	Cadweld	#18	
Sleeve-Filler Grout Coupler	Splice Sleeve North America	NMB	#4 through #18	
Upset Bar Ends – Dowel Bars Included	Dayton/Richmond	US/MC Inertial Welded	#8 through #18	#8
	Dayton/Richmond	US/MC Forged	#6 through #11	#7 through #11
Two Piece, Weld-On Coupler	Headed Reinforcement Corp.	Xtender™ XT 553 Anchor Coupler	#7 and #8	#7 and #8
Two Piece Epoxy Splice	Headed Reinforcement Corp.	HRC 620 Series E-Splice Form Protector (includes HRC 620 and HRC 620F—formerly called HRC 621)	#4, #5, #6, #7, #8, and #9	

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Mechanical Couplers on ASTM A 706 Reinforcing Steel				
Two Piece Sleeve/Forged Ends	Headed Reinforcement Corp.	Xtender™ 507/571 Coupler	#7	#7
	Headed Reinforcement Corp.	Xtender™ 509/571 Position Coupler	#11	#11
	Headed Reinforcement Corp.	Xtender™ 510 Standard Coupler	#4 through #14	#4 through #14
	Headed Reinforcement Corp.	Xtender™ 511/512 Transition Coupler	#5 through #11	#5 through #11
	Headed Reinforcement Corp.	Xtender™ 520 Form Protector	#4 through #14	#4 through #14
Wedge-Thru Sleeve (Mechanical Lap Splice)	OCM, Inc. (formerly Splice Sleeve North America)	O-S Splice Clip (one clip per splice)	#4 through #6	
	Erico	Quick-wedge Mechanical Lap Coupling Device (two clips per splice)	#4 through #6	
Side-by-Side (Mechanical Lap Splice)	BarSplice	ZAP Screwlok® Double Barrel Transition Coupler	#4/#3 through #6/#5	
	BarSplice	ZAP Screwlok® Double Barrel Standard Coupler	#4 through #6	
Mechanical Couplers on ASTM A 615, Grade 75 Reinforcing Steel				
Sleeve-Threaded Bar	Dywidag Systems International	A 615, grade 75 reinforcement bar splice	#11 and #20	
	Williams Form Engineering	A615, grade 75 reinforcement bar splice	#14 and #18	
Mechanical Couplers on ASTM A 722, Grade 150 Bars				
Sleeve-Threaded Bar	Williams Form Engineering	A 722 Splice	2.5-inch	

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Mechanical Couplers on ASTM A 706 Reinforcing Steel Hoops				
Sleeve-Swaged	BarSplice	BPI-GRIP™ (BarGrip®)	#5 through #8, and #14	
Two Piece Sleeve/ Forged Ends	Headed Reinforcement Corp.	Xtender™ 510	#5 through #11	#9 and #11
	Headed Reinforcement Corp.	Xtender™ 515 adjustable tension hoop coupler	#8	
	Headed Reinforcement Corp.	HRC 571 adjustable tension hoop coupler	#8	
	Headed Reinforcement Corp.	HRC 572 adjustable tension hoop coupler	#8	

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