

## AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Type of Splice	Splice Company	Coupler Model	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Splice (Bar Sizes)
<b>Mechanical Couplers on ASTM A 706 Reinforcing Steel – For Straight Bars</b>				
Sleeve-Swaged (Deformation Dependent)	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	#3 through #18
	BarSplice	Taper Threaded Transition Grip-Twist®	#11 to #18 transition; #11 to #14 transition; and #10 to #18 transition	#11 to #18 transition; #11 to #14 transition; and #10 to #18 transition
	BarSplice	Grip Twist Position Coupler	#5 through #18	
	Dextra America, Inc.	Griptec®	#4 through #18	
Sleeve-Forged	Dayton Superior (formerly Richmond Screw Anchor Co.)	DB/DI	#4 through #11	#4 through #11
	Dextra America, Inc.	Bartec Standard Splice (Type A)	#4 through #18	#4 through #18
	Dextra America, Inc.	Bartec Position Splices (Type B)	#4 through #18	#4 through #18
	Dextra America, Inc.	Bartec Position Splices Type C (with lock nut)	#4 through #18	#4 through #18
Sleeve-Lock Shear Bolts	Dayton Superior (formerly Bar-Lock)	Bar-Lock S/CA Series - D250SCA (formerly S-series)	#4 through #18	
	Dayton Superior (formerly Bar-Lock)	Bar-Lock Transitional Coupler S/CA Series – D220 (formerly S-series)	#5 to #6 transition	
	BarSplice	ZAP Screwlok® Type 2 Series (Standard)	#4 through #11	
	BarSplice	Double Row ZAP Screwlok® Type 2 Series (Standard)	#14 & #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.
4. All mechanical couplers are on plain black bar unless otherwise stated. Couplers on epoxy-coated bars require corrosion protection covering.
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Sleeve-Lock Shear Bolts	BarSplice	ZAP Screwlok® Transition Coupler	#7/#5	
	Dayton Superior (formerly Bar-Lock)	Bar-Lock L Series – D250L	#3 through #11	
	Dayton Superior (formerly Bar-Lock)	Bar-Lock L Series – D250L (20 bolts)	#14	
	ERICO International Corporation	LENTON® LOCK (B1 Series) Foreign Made	#4 through #11	#4 through #11
	ERICO International Corporation	LENTON® LOCK (S1 Series) Foreign Made	#4 through #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	
	ERICO	LENTON® Position (P9)	#6 through #18	
	ERICO	LENTON® FORM SAVER	#3 through #11	
	ERICO	LENTON® INTERLOK Rebar Splice System (grout filler)	#8	#8
	ERICO	LENTON® PLUS Position Coupler (P14L) with cold worked taper threaded rebar	#8 through #14	#8 through #14
	ERICO	LENTON® PLUS Standard Coupler (A12) with cold worked taper threaded rebar	#5 through #14	#5 through #14
	Headed Reinforcement Corp.	HRC 410/420 Standard Coupler	#8 through #18	#8 through #18

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<b>Mechanical Couplers on ASTM A 706 Reinforcing Steel – For Straight Bars</b>				
Sleeve –Tapered Thread	Headed Reinforcement Corp.	HRC 410/490 Position Coupler	#8 through #18	#8 through #18
	Dayton Superior	Taper Lock D-310 Standard Coupler	#6 through #14	
	Dayton Superior	Taper Lock D-330 Positional Coupler	#6 through #14	
	Dayton Superior	Taper Lock D-340 Flange Coupler	#6 through #14	
	HY-TEN Reinforcement	HT.P Positional Coupler (3-Part Friction Welded)	#5 through #8	
	HY-TEN Reinforcement	HT.S Standard Coupler (Friction Welded)	#4 through #8	
	HY-TEN Reinforcement	HT.LT Positional Coupler (4-Part Friction Welded)	#6 through #8	
Sleeve-Filler Metal	ERICO	CADWELD®	#18	
Sleeve-Filler Grout Coupler	Splice Sleeve North America	NMB	#4 through #18	
	ERICO	LENTON® INTERLOK Rebar Splice System (taper threaded)	#8	#8
Upset Bar Ends-Dowel Bars Included	Dayton Superior	US/MC Forged	#6 through #11	#7 through #11
	Headed Reinforcement Corp.	Xtender® 500 XL/510 XL Coupler (formerly 507/571)	#7	#7

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<b>Mechanical Couplers on ASTM A 706 Reinforcing Steel – For Straight Bars</b>				
Two Piece Sleeve/Forged Ends	Headed Reinforcement Corp.	Xtender® 500 XL/510 XL Position Coupler (formerly 507/571)	#11	#11
	Headed Reinforcement Corp.	Xtender® 500/510 Standard Coupler	#4 through #14	#4 through #14
	Headed Reinforcement Corp.	Xtender® XT 500/510 Transition Nut Coupler	#5 through #11	#5 through #11
Two Piece Sleeve/Forged Ends	Headed Reinforcement Corp.	Xtender® XT 500/510 Transition Nut Coupler	#11 to #14	#11 to #14
	Headed Reinforcement Corp.	Xtender® 500/520 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	LENTON® QUICK WEDGE Mechanical Lap Coupling Device (Two Clips per splice)	#4 through #6	
Side-by-Side (Mechanical Lap Splice)	BarSplice	Double Barrel ZAP Screwlok® Transition Coupler	#4/#3 through #6/#5, #6/#7 and #7/#8	
	BarSplice	Double Barrel ZAP Screwlok® Standard Coupler	#4 through #8	

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<b>Mechanical Couplers on ASTM A 706 Reinforcing Steel - For Hoops</b>				
Sleeve-Swaged	BarSplice	BPI-GRIP™ (BarGrip®)	#5 through #8, and #14	
Two Piece Sleeve/ Forged Ends	Headed Reinforcement Corp.	Xtender® 500/510	#5 through #11	#7, #8, #9 and #11
	Headed Reinforcement Corp.	Xtender® 500/515 adjustable tension hoop coupler	#8	
	Headed Reinforcement Corp.	Xtender® 500 XL/510 XL Position Coupler (formerly 507/571)	#8	#7 and #8

Type of Splice	Splice Company	Coupler Model	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Splice (Bar Sizes)
<b>Mechanical Couplers on ASTM A 615, Grade 75 – For Threaded Bar</b>				
Sleeve-Threaded Bar	Dywidag Systems International	A 615, grade 75 reinforcement bar splice	#11, #18 and #20	
	Williams Form Engineering	A615, grade 75 reinforcement bar splice	#14 and #18	
Threaded Bar	Skyline Steel	A615, grade 75 reinforcement bar splice	#8 through #14	

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