

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Mechanical Couplers on ASTM A 706 (Grade 60) Reinforcing Steel - For Straight Bars

Type of Splice	Splice Company	Coupler Model	Caltrans Coupler Unique Identification	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Butt Splice (Bar Sizes)	Expiration Date
Sleeve-Swaged (Deformation Dependent)	BarSplice	BPI-GRIP (BarGrip)	SS-17-01	#3 through #18	Not Authorized	12/31/2020
Sleeve-Swaged (Deformation Dependent)	BarSplice	BPI-GRIP (BarGrip) XL	SS-17-02	#5 through #18	#5 through #18	12/31/2020
Sleeve-Swaged (Deformation Dependent)	BarSplice	Taper Threaded Grip-Twist	SS-17-03	#3 through #18	#3 through #18	12/31/2020
Sleeve-Swaged (Deformation Dependent)	BarSplice	Taper Threaded Transition GripTwist	SST-17-01	#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	12/31/2020
Sleeve-Swaged (Deformation Dependent)	BarSplice	Grip Twist Position Coupler	SS-17-05	#5 through #18	Not Authorized	12/31/2020
Sleeve-Swaged (Deformation Dependent)	BarSplice	Taper Threaded Grip Twist Position Coupler	SS-17-07	Not Authorized	#11, #14	12/31/2020
Sleeve-Swaged (Deformation Dependent)	Dextra America, Inc.	Griptec	SS-17-06	#4 through #18	Not Authorized	12/31/2020

NOTE: Refer to page 12 of this document for additional information

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Mechanical Couplers on ASTM A 706 (Grade 60) Reinforcing Steel - For Straight Bars

Type of Splice	Splice Company	Coupler Model	Caltrans Coupler Unique Identification	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Butt Splice (Bar Sizes)	Expiration Date
Sleeve-Forged	Dayton Superior (formerly Richmond Screw Anchor Co.)	DB/DI	SF-17-01	#4 through #11	#4 through #11	12/31/2020
Sleeve-Forged	Dextra America, Inc.	Bartec Standard Splice (Type A)	SF-17-02	#4 through #18	#4 through #18	12/31/2020
Sleeve-Forged	Dextra America, Inc.	Bartec Standard Splice (Type A)	SF-17-03	#4 through #18	#4 through #18	12/31/2020
Sleeve-Forged	Dextra America, Inc.	Bartec Standard Splice (Type A)	SF-17-04	#4 through #18	#4 through #18	12/31/2020
Sleeve-Lock Shear Bolts	Dayton Superior (formerly Bar-Lock)	Bar-Lock S/CA Series - D250SCA (formerly S-series)	SL-17-01	#4 through #18	Not Authorized	1/31/2021

NOTE: Refer to page 12 of this document for additional information

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Mechanical Couplers on ASTM A 706 (Grade 60) Reinforcing Steel - For Straight Bars

Type of Splice	Splice Company	Coupler Model	Caltrans Coupler Unique Identification	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Butt Splice (Bar Sizes)	Expiration Date
Sleeve-Lock Shear Bolts	Dayton Superior (formerly Bar-Lock)	Bar-Lock Transitional Coupler S/CA Series – D220 (formerly S series)	SLT-17-01	#5 to #6 transition	Not Authorized	1/31/2021
Sleeve-Lock Shear Bolts	BarSplice	ZAP Screwlok Type 2 Series (Standard)	SL-17-03	#4 through #11	Not Authorized	12/31/2020
Sleeve-Lock Shear Bolts	BarSplice	Double Row ZAP Screwlok Type 2 Series (Standard)	SL-17-04	#14 & #18	Not Authorized	12/31/2020
Sleeve-Lock Shear Bolts	BarSplice	ZAP Screwlok Transition Coupler	SLT-17-02	#7/#5	Not Authorized	12/31/2020

NOTE: Refer to page 12 of this document for additional information

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Mechanical Couplers on ASTM A 706 (Grade 60) Reinforcing Steel - For Straight Bars

Type of Splice	Splice Company	Coupler Model	Caltrans Coupler Unique Identification	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Butt Splice (Bar Sizes)	Expiration Date
Sleeve-Lock Shear Bolts	Dayton Superior (formerly Bar-Lock)	Bar-Lock L Series D250L	SL-17-06	#3 through #11	Not Authorized	1/31/2021
Sleeve-Lock Shear Bolts	Dayton Superior (formerly Bar-Lock)	Bar-Lock L Series D250L (20 bolts)	SL-17-07	#14	Not Authorized	1/31/2021
Sleeve-Lock Shear Bolts	ERICO	LENTON LOCK (B1 Series) Foreign Made	SL-17-08	#4 through #11	#4 through #11	08/31/2020
Sleeve-Lock Shear Bolts	ERICO	LENTON LOCK (S1 Series) Foreign Made	SL-17-09	#4 through #18	Not Authorized	08/31/2020
Sleeve – Tapered Thread	ERICO	LENTON Standard (A2)	ST-17-01	#3 through #18	Not Authorized	09/30/2020
Sleeve – Tapered Thread	ERICO	LENTON Transition (A2)	STT-17-01	#5/#4 through #18/#14	Not Authorized	09/30/2020
Sleeve – Tapered Thread	ERICO	LENTON® Position (P8)	ST-17-03	#6 through #18	Not Authorized	10/30/2020

NOTE: Refer to page 12 of this document for additional information

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Mechanical Couplers on ASTM A 706 (Grade 60) Reinforcing Steel - For Straight Bars

Type of Splice	Splice Company	Coupler Model	Caltrans Coupler Unique Identification	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Butt Splice (Bar Sizes)	Expiration Date
Sleeve-Lock Shear Bolts	ERICO	LENTON Position (P9)	ST-17-04	#6 through #18	Not Authorized	10/30/2020
Sleeve-Lock Shear Bolts	ERICO	LENTON FORM SAVER	ST-17-05	#3 through #11	Not Authorized	11/30/2020
Sleeve-Lock Shear Bolts	ERICO	LENTON INTERLOK Rebar Splice System (grout filler)	ST-17-06	#8	#8	11/30/2020
Sleeve-Lock Shear Bolts	ERICO	LENTON PLUS Position Coupler (P14L) with cold worked taper threaded rebar	ST-17-07	#8 through #14	#8 through #14	12/31/2020
Sleeve – Tapered Thread	ERICO	LENTON PLUS Standard Coupler (A12) with cold worked taper threaded rebar	ST-17-08	#5 through #14	#5 through #14	12/31/2020
Sleeve – Tapered Thread	ERICO	nVent LENTON Ultimate Standard (MT12/FT12)	ST-18-01	#4 through #18	#4 through #18	12/3/2020

NOTE: Refer to page 12 of this document for additional information

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Mechanical Couplers on ASTM A 706 (Grade 60) Reinforcing Steel - For Straight Bars

Type of Splice	Splice Company	Coupler Model	Caltrans Coupler Unique Identification	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Butt Splice (Bar Sizes)	Expiration Date
Sleeve – Tapered Thread	ERICO	nVent LENTON Ultimate Positional (MT12/PT15/MS15)	ST-18-02	#8 through #18	#8 through #18	12/3/2020
Sleeve – Tapered Thread	Headed Reinforcement Corp.	HRC 410/420 Standard Coupler	ST-17-09	#8 through #18	#8 through #18	01/29/2021
Sleeve – Tapered Thread	Headed Reinforcement Corp.	HRC 410/490 Position Coupler	ST-17-10	#8 through #18	#8 through #18	01/29/2021
Sleeve – Tapered Thread	Dayton Superior	Taper Lock D-310 Standard Coupler	ST-17-11	#6 through #14	Not Authorized	02/26/2021
Sleeve – Tapered Thread	Dayton Superior	Taper Lock D-330 Positional Coupler	ST-17-12	#6 through #14	Not Authorized	02/26/2021
Sleeve – Tapered Thread	Dayton Superior	Taper Lock D-340 Flange Coupler	ST-17-13	#6 through #14	Not Authorized	02/26/2021

NOTE: Refer to page 12 of this document for additional information

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Mechanical Couplers on ASTM A 706 (Grade 60) Reinforcing Steel - For Straight Bars

Type of Splice	Splice Company	Coupler Model	Caltrans Coupler Unique Identification	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Butt Splice (Bar Sizes)	Expiration Date
Sleeve – Tapered Thread	HY-TEN Reinforcement	HT.P Positional Coupler (3-Part Friction Welded) Foreign Made	ST-17-14	#5 through #14	#5 through #14	03/31/2021
Sleeve – Tapered Thread	HY-TEN Reinforcement	HT.S Standard Coupler (Friction Welded) Foreign Made	ST-17-15	#4 through #14	#4 through #14	03/31/2021
Sleeve – Tapered Thread	HY-TEN Reinforcement	HT.LT Positional Coupler (4-Part Friction Welded) Foreign Made	ST-17-16	#6 through #14	#6 through #14	03/31/2021
Sleeve-Filler Metal	ERICO	CADWELD	SM-17-01	#18	Not Authorized	04/30/2021
Sleeve-Filler Grout Coupler	Splice Sleeve North America	NMB	SG-17-01	#4 through #18	Not Authorized	04/30/2021
Sleeve-Filler Grout Coupler	ERICO	LENTON INTERLOK Rebar Splice System (taper threaded)	SG-17-02	#8	#8	05/28/2021

NOTE: Refer to page 12 of this document for additional information

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Mechanical Couplers on ASTM A 706 (Grade 60) Reinforcing Steel - For Straight Bars

Type of Splice	Splice Company	Coupler Model	Caltrans Coupler Unique Identification	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Butt Splice (Bar Sizes)	Expiration Date
Upset Bar Ends-Dowel Bars Included	Dayton Superior	US/MC Forged	UB-17-01	#6 through #11	#7 through #11	05/28/2021
Two Piece Sleeve/Forged Ends	Headed Reinforcement Corp.	Xtender 500 XL/510 XL Coupler (formerly 507/571)	TP-17-01	#7	#7	06/30/2021
Two Piece Sleeve/Forged Ends	Headed Reinforcement Corp.	Xtender 500 XL/510 XL Position Coupler (formerly 507/571)	TP-17-02	#11	#11	06/30/2021
Two Piece Sleeve/Forged Ends	Headed Reinforcement Corp	Xtender 500/510 Standard Coupler	TP-17-03	#4 through #14	#4 through #14	07/30/2021
Two Piece Sleeve/Forged Ends	Headed Reinforcement Corp	Xtender XT 500/510 Transition Nut Coupler	TPT-17-04	#5 through #11	#5 through #11	07/30/2021
Two Piece Sleeve/Forged Ends	Headed Reinforcement Corp	Xtender XT 500/510 Transition Nut Coupler	TPT-17-06	#11 to #14	#11 to #14	08/31/2021
Two Piece Sleeve/Forged Ends	Headed Reinforcement Corp	Xtender 500/520 Form Protector	TP-17-06	#4 through #14	#4 through #14	08/31/2021

NOTE: Refer to page 12 of this document for additional information

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Mechanical Couplers on ASTM A 706 (Grade 60) Reinforcing Steel - For Straight Bars

Type of Splice	Splice Company	Coupler Model	Caltrans Coupler Unique Identification	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Butt Splice (Bar Sizes)	Expiration Date
Wedge-Thru Sleeve (Mechanical Lap Splice)	OCM, Inc. (formerly Splice Sleeve North America)	O-S Splice Clip (one clip per splice)	WT-17-01	#4 through #6	Not Authorized	09/30/2021
Wedge-Thru Sleeve (Mechanical Lap Splice)	ERICO	LENTON® QUICK WEDGE Mechanical Lap Coupling Device (Two Clips per splice)	WT-17-02	#4 through #6	Not Authorized	09/30/2021
Side-by-Side (Mechanical Lap Splice)	BarSplice	Double Barrel ZAP Screwlok® Transition Coupler	SBT-17-01	#4/#3 through #6/#5, #6/#7 and #7/#8	Not Authorized	10/29/2021
Side-by-Side (Mechanical Lap Splice)	BarSplice	Double Barrel ZAP Screwlok® Standard Coupler	SB-17-02	#4 through #8	Not Authorized	10/29/2021

NOTE: Refer to page 12 of this document for additional information

Structural Materials Testing Branch
Office of Structural Materials
California Department of Transportation

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Mechanical Couplers on ASTM A 706 (Grade 60) Reinforcing Steel - For Hoops

Type of Splice	Splice Company	Coupler Model	Caltrans Coupler Unique Identification	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Butt Splice (Bar Sizes)	Expiration Date
Sleeve-Swaged	BarSplice	BPI-GRIP™ (BarGrip®)	SW-17-01	#5 through #8, and #14	Not Authorized	11/30/2021
Two Piece Sleeve/ Forged Ends	Headed Reinforcement Corp.	Xtender® 500/510	TF-17-01	#5 through #11	#7, #8, #9 and #11	11/30/2021
Two Piece Sleeve/ Forged Ends	Headed Reinforcement Corp.	Xtender® 500/515 adjustable tension hoop coupler	TF-17-02	#8	Not Authorized	12/31/2021
Two Piece Sleeve/ Forged Ends	Headed Reinforcement Corp.	Xtender® 500 XL/510 XL Position Coupler (formerly 507/571)	TF-17-03	#8	#7 and #8	12/31/2021

NOTE: Refer to page 12 of this document for additional information

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Mechanical Couplers on ASTM A 615, Grade 75 – For Threaded Bar

Type of Splice	Splice Company	Coupler Model	Caltrans Coupler Unique Identification	Authorized Service Splice (Bar Sizes)	Authorized Ultimate Butt Splice (Bar Sizes)	Expiration Date
Sleeve-Threaded Bar	Dywidag Systems International	A 615, grade 75 reinforcement bar splice	SE-17-01	#11, #18 and #20	Not Authorized	01/31/2022
Sleeve-Threaded Bar	Williams Form Engineering	A615, grade 75 reinforcement bar splice	SE-17-02	#14 and #18	Not Authorized	01/31/2022
Threaded Bar	Skyline Steel	A615, grade 75 reinforcement bar splice	TB-17-03	#8 through #14	Not Authorized	02/28/2022

NOTE: Refer to page 12 of this document for additional information

AUTHORIZED LIST OF COUPLERS FOR REINFORCING STEEL

Notes:

1. If there is a discrepancy between this list and the authorization letter issued by the California Department of Transportation ("Caltrans") to the splice company, the authorization letter and any conditions therein control.
2. The splice company shall inform Caltrans if any of the following occur: the design of the coupler changes, the material used in the coupler changes, changes to the manufacturing process including location changes of manufacturing plants. Caltrans may revoke the authorization of a mechanical coupler and remove it from this list for any of these reasons or if the splice company engages in fraud or misrepresentation in order to comply with the quality control and quality assurance requirements in section 52 of the Standard Specifications.
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.
5. Service and ultimate butt splices are defined in section 52 of the Standard Specifications.
6. This table was prepared to provide a reference source for rebar splicing systems currently authorized for use by Caltrans. Caltrans assumes no liability or responsibility for the accuracy or validity of this information if used by other entities.

Caltrans contact: Structural Materials Testing Lab, SMTL@DOT.CA.GOV