

## TECHNICAL DATA SHEET

### DESCRIPTION

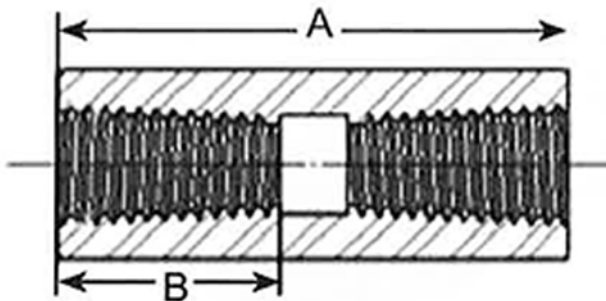
The D310 Taper-Lock Standard Coupler is a Type 2 rebar coupler used to connect rebar. It consists of a coupler containing internal tapered female threads. The D310 Taper-Lock Standard Coupler is available made from USA melted and rolled steel.

### APPLICATION

The D310 Taper-Lock Standard Coupler is used to connect two pieces of rebar where at least one of the bars is free to rotate.

### PRODUCT SPECIFICATION

- Rebar sizes #4 [13mm] through #18 [57mm]
- Available in plain, epoxy coated, or galvanized finish
- Available in carbon, weldable, A1035 ChromX, or 2205 stainless steel (other stainless steel alloys available upon request)
- For use with Grade 60, 75, 80 & 100 rebar



### FEATURES

- Couples all rebar sizes
- Eliminates lap splicing for full mechanical splice
- Taper-Lock Type 2 tapered threads

### BENEFITS

- Easier to use and up to 25% faster installation
- Versatility to meet project needs
- Complies with most jobsite specifications

### HOW TO SPECIFY

Specific:

Mechanical connections shall be Taper-Lock® Rebar Splices as manufactured by Dayton Superior Corp.

Generic:

The mechanical connection shall meet building code requirements of developing in tension and compression as required by \_\_\_\_\_ (insert name here). The mechanical connections shall be the positive locking, taper threaded type coupler manufactured from high quality steel. The bar ends must be taper threaded using the manufacturer's bar threading equipment to ensure proper taper and thread engagement. All couplers shall be installed per the manufacturer's approved procedures.

### TECHNICAL DATA

Bar Size	Bar Size (mm)	Bar Size (m)	"A" (in) [mm]	"B" (in) [mm]	Outside Diameter (in)	Grade 60	Grade 80
#4	[13]	[10]	2.36 [60]	1.02 [26]	0.88	X	X
#5	[16]	[15]	2.76 [70]	1.22 [31]	1.00	X	X
#6	[19]	[20]	2.87 [73]	1.28 [32.5]	1.13	X	X
#7	[22]	-	3.19 [81]	1.40 [35.5]	1.38	X	X
#8	[25]	[25]	3.62 [92]	1.62 [41]	1.44	X	X
#9	[29]	[30]	4.02 [102]	1.81 [46]	1.63	X	X
#10	[32]	-	4.49 [114]	2.05 [52]	1.75	X	X
#11	[36]	[35]	4.92 [125]	2.25 [57.5]	1.88	X	X
#12	[40]	-	5.47 [139]	2.54 [64.5]	2.38	X	X
#14	[43]	[45]	5.87 [148]	2.72 [69]	2.38	X	-
#18	[57]	[55]	7.64 [194]	3.63 [92]	3.25	X	-
#14B	[43]	[45]	5.87 [148]	2.72 [69]	2.38	X	X
#18B	[57]	[55]	7.64 [194]	3.63 [92]	3.25	X	X

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### APPROVALS / COMPLIANCE

- ACI 318 Type 2
- ACI 439 Type A (for A1035 bar & coupler only)
- IAPMO UES Listed (ER-319)
- Tested in accordance to AC429 (A1035 couplers only)
- Caltrans Service Splice
- Ministries of Transportation, Canada
- State Departments of Transportation
- AASHTO
- International Building Code (IBC)
- City of Los Angeles Department of Building and Safety

### INSTALLATION

1. Ensure that threads are clean, in good condition, and conform to gauge requirements as published in the Taper-Lock Machine Operations Manual before assembly.
2. Assemble D310 into rebar hand tight (5 foot-pounds).

### RELATED PRODUCTS

- D370 Threaded Bar
- D81 Taper-Lock® Male Thread Protector
- D382 Taper-Lock® Female Thread Protector
- D340 Taper-Lock® Plastic Flange Coupler

### HOW TO ORDER

Specify: (1) quantity, (2) name, (3) bar size, (4) finish, (5) Made in USA requirement

Example: 500, D310 Taper-Lock Standard Couplers, #5, Epoxy Coated, Made in USA required

### ORDERING INFORMATION

TAPER-LOCK® STANDARD COUPLER - MADE IN USA - FOR

GRADE 60 THROUGH 80 REBAR

Product Code	Description	Weight
127020	#4 [13MM]	0.29 LB
127021	#5 [16MM]	0.41 LB
127022	#6 [19MM]	0.50 LB
127023	#7 [22MM]	0.64 LB
127024	#8 [25MM]	1.13 LB
127025	#9 [29MM]	1.40 LB
127026	#10 [32MM]	1.70 LB
127027	#11 [36MM]	2.03 LB
127028	#14 [43MM]	4.21 LB
127019	#18 [57MM]	10.74 LB
100471	#14B [43MM]	4.21 LB
100472	#18B [57MM]	10.74 LB

TAPER-LOCK® STANDARD COUPLER - FOR GRADE 60

THROUGH 80 REBAR

Product Code	Description	Weight
126389	#4 [13MM]	0.29 LB
126390	#5 [16MM]	0.41 LB
126391	#6 [19MM]	0.50 LB
126392	#7 [22MM]	0.64 LB
126393	#8 [25MM]	1.13 LB
126394	#9 [29MM]	1.40 LB
126395	#10 [32MM]	1.70 LB
126396	#11 [36MM]	2.03 LB
145103	#12 [40MM]	4.57 LB
126397	#14 [43MM]	4.21 LB
126398	#18 [57MM]	10.74 LB
100473	#14B [43MM]	4.21 LB
100474	#18B [57MM]	10.74 LB
145102	#12 [40MM]	4.31 LB
127267	#18 [57MM]	9.50 LB

### MANUFACTURER

Dayton Superior Corporation  
 1125 Byers Road  
 Miamisburg, OH 45342  
 Customer Service: 888-977-9600  
 Technical Services: 877-266-7732  
 Website: www.daytonsuperior.com

## TECHNICAL DATA SHEET

**WARRANTY (ACCESSORIES)**

Limited Warranty. Dayton warrants, for a period of 60 days from the date of shipment (three years from the date of shipment in the case of formwork, excluding any consumable Products included with such formwork), that Products and any associated application drawings and engineering services provided by Dayton ("Ancillary Services") will be free from defects in material and workmanship and, in the case of custom designed formwork, that the formwork will meet the specifications set forth in the design drawings approved by Dayton and Customer. Any claim under this warranty must be made in writing within such warranty period. If any Product and/or Ancillary Service covered by a timely claim are found to be defective, Dayton will, within a reasonable time, make any necessary repairs or corrections or, at Dayton's option, replace the Product. Unless pre-authorized by Dayton in writing, Dayton will not accept any charges for correcting defects or accept the return of any Product. This warranty will not apply to any Products that have been subjected to misuse, neglect, storage damage, misapplication, accident or any other damage caused by any person other than Dayton, or that have not been maintained in accordance with Dayton's specifications. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES AS TO THE PRODUCTS AND ANCILLARY SERVICES. DAYTON MAKES NO OTHER WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. THE REMEDIES SET FORTH IN THIS SECTION ARE CUSTOMER'S EXCLUSIVE REMEDY FOR BREACH OF WARRANTY.