

The Taper-Lock® System

Features and Benefits

- IAPMO UES Evaluation Reports ER-0245 and ER-0319
- Portable and robust design allows you to take the system wherever you need it.
- Long lasting chasers for previously unheard of efficiency! Spend less money on new blades, and save your crew from unnecessary downtime.
- Revolutionary high-speed taper cut more than doubles the production of conventional cutters, allowing you to beat deadlines and reduce costs.
- Uses environmentally friendly water based cutting fluids for onsite safety and hazard compliance.
- Strong unit withstands tough projects. Straightforward process makes operation and repair easy.

Splice Rebar On-site, in a Fraction of the Time

You already rely on Taper-Lock® Couplers from Dayton Superior — the company you trust is proud to offer the portable, high-speed taper cut solution! Turn the system that's already been proven on sites throughout North, Central, and South America into your on-site advantage. Dayton Superior is the only company able to bring the reliable Taper-Lock design to fabricators.

Use the Dayton Taper-Lock on Your Next Job Site

The compact design saves room in your fabrication shop or on the job with all the advantages and one-quarter the size of similar machines, it's time to re-think rebar splicing! Strength certification and test results are available upon request through the qualified Dayton Superior Dealer network throughout North America.

TYPICAL SPECIFICATIONS:

Specific:

Mechanical connections shall be Taper-Lock® taper threaded couplers 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 connection 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.



Taper-Lock®

D310 Taper-Lock® Standard Coupler

Product Description:

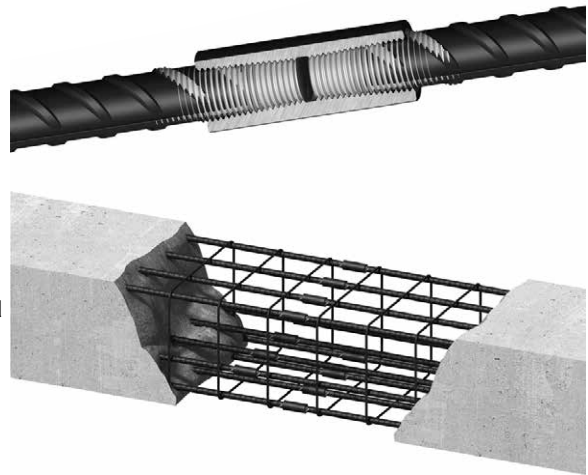
The D310 Taper-Lock is used to join any bar-to-bar connection of the same size, where one bar can be rotated. This simplifies rebar splicing in areas where rebar congestion prevents the use of long lap splices. Engagement of the bar within the coupler is simplified by the taper thread which aids in alignment.

Product Features and Benefits:

- Used in 80% of all connections
- The compact design of the coupler ensures suitability for use in confined situations where space is restricted or where the loss of cover must be minimized
- Reduces engineering design time
- Eliminates rebar congestion
- Provides Type 2 splicing capacities and simplifies load paths
- Meets approval from IAPMO ER-0319, ACI, Caltrans, IBC, and Ministries of Transportation for Ontario and Quebec
- Approved for use in fatigue applications

Product Specifications:

- Extension of Taper-Lock product line
- Accommodates rebar sizes #4 through #18
- Available in Black, Epoxy, Galvanized, or Stainless Steel
- Type 2 Splice
- Connect bars of the same size using an internal sleeve with two right hand tapered threads
- For use with Grade 60 rebar



To Order:

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

Example:

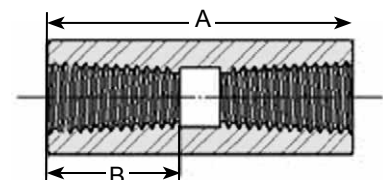
500 pcs., D310 Taper-Lock® Standard Coupler, #6, Black, Made in USA not required.

Product Codes

Bar Size			Black (Made in USA)	Epoxy (Made in USA)	Black
US	Metric (mm)	CN (m)			
#4	[13]	[10]	127020	127258	126389
#5	[16]	[15]	127021	127259	126390
#6	[19]	[20]	127022	127260	126391
#7	[22]	—	127023	127261	126392
#8	[25]	[25]	127024	127262	126393
#9	[29]	[30]	127025	127263	126394
#10	[32]	—	127026	127264	126395
#11	[36]	[35]	127027	127265	126396
#12	[40]	—	145101	145102	145103
#14	[43]	[45]	127028	127266	126397
#18	[57]	[55]	127019	127267	126398

Nominal Engagement

Bar Size			"A"		"B" (Nominal)	
US	Metric (MM)	CN (M)	US	(mm)	US	(mm)
#4	[13]	[10]	2.362	[60]	1.024	[26]
#5	[16]	[15]	2.756	[70]	1.221	[31]
#6	[19]	[20]	2.874	[73]	1.281	[32.5]
#7	[22]	—	3.189	[81]	1.399	[35.5]
#8	[25]	[25]	3.622	[92]	1.615	[41]
#9	[29]	[30]	4.016	[102]	1.812	[46]
#10	[32]	—	4.488	[114]	2.049	[52]
#11	[36]	[35]	4.921	[125]	2.246	[57.5]
#12	[40]	—	5.472	[139]	2.539	[64.5]
#14	[43]	[45]	5.827	[148]	2.719	[69]
#18	[57]	[55]	7.638	[194]	3.625	[92]



Installation: D310 Taper-Lock Standard Coupler

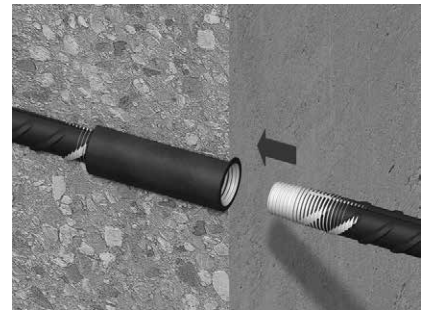
STEP 1

The coupler is normally supplied fixed to the reinforcing bar, ready to be installed and cast in concrete.



STEP 2

After casting the concrete and when ready to extend, remove the thread protector from the coupler. Position the continuation bar in the sleeve and rotate the bar into the coupler.



STEP 3

Continue to screw the bar into the coupler until hand tight.



STEP 4

Inspect the connection to be sure it meets 5 lb-ft.

D320 Taper-Lock® Transitional Coupler

Product Description:

The D320 Taper-Lock is used to join two reinforcing bars of different sizes. It is commonly used for economic designs and columns where the diameter of the rebar reduces as the columns extend the structure.

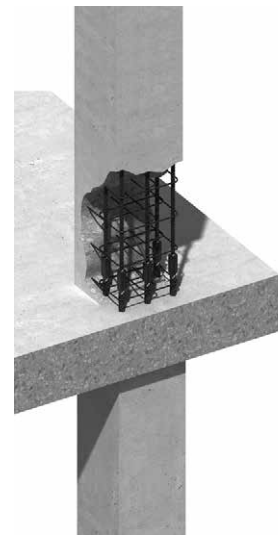


Product Features and Benefits:

- Eliminates rebar congestion
- Reduces engineering design time
- Allows for the connection of two different size bars
- Provides Type 2 splicing capacities and simplifies load paths
- Meets approval from IAPMO ER-0319 ACI, Caltrans, IBC and Ministries of Transportation for Ontario and Quebec
- Approved for use in fatigue applications

Product Specifications:

- Extension of Taper-Lock product line
- Accommodates all rebar configurations
- Available in Black, Epoxy, or Galvanized
- Type 2 Splice
- Threads in internal sleeve correspond to the appropriate bar size
- For use with Grade 60 rebar



Product Codes

Bar Size		
US	Metric (MM)	CN (M)
#4-#5	[13-16]	[10-15]
#5-#6	[16-19]	[15-20]
#6-#7	[19-22]	—
#7-#8	[22-25]	—
#8-#9	[25-29]	[25-30]
#9-#10	[29-32]	—
#10-#11	[32-36]	—
#10-#12	[32-40]	—
#11-#14	[36-43]	[35-45]
#14-#18	[43-57]	[45-55]

Other sizes available upon request

To Order:

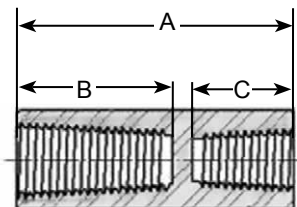
Specify: (1) quantity, (2) name, (3) rebar size, (4) finish.

Example:

500 pcs., D320 Taper-Lock® Transitional Coupler, #6-#7, Black.

Nominal Engagement

Bar Size			"A"		"B" (Nominal)		"C" (Nominal)	
US	Metric (MM)	CN (M)	US	[mm]	US	[mm]	US	[mm]
#4-#5	[13-16]	[10-15]	2.7953	[71]	1.5748	[40]	1.0236	[26]
#5-#6	[16-19]	[15-20]	3.0315	[77]	1.6535	[42]	1.378	[35]
#6-#7	[19-22]	—	3.2283	[82]	1.7931	[45.5]	1.437	[36.5]
#7-#8	[22-25]	—	3.6024	[91.5]	2.0079	[51]	1.5945	[40.5]
#8-#9	[25-29]	[25-30]	4.0157	[102]	2.2047	[56]	1.811	[46]
#9-#10	[29-32]	—	4.4488	[113]	2.4409	[62]	2.0079	[51]
#10-#11	[32-36]	—	4.9213	[125]	2.6772	[68]	2.2441	[57]
#10-#12	[32-40]	—	7.716	[196]	5.472	[139]	2.2441	[57]
#11-#14	[36-43]	[35-45]	5.5906	[142]	3.1102	[79]	2.4803	[63]
#14-#18	[43-57]	[45-55]	6.9291	[176]	4.0157	[102]	2.9134	[74]



Installation: D320 Taper-Lock Transitional Coupler

When installing the D320 Transitional Coupler, the larger of the two bars must be connected first, the smaller bar is to be connected after the coupler is tightened on the larger rebar. This process ensures that the smaller bar does not receive the higher torque used to connect the larger bar. As an alternative, it is permitted to connect the smaller bar to the coupler first. If the smaller bar is connected first, a second wrench can be used to keep the coupler from rotating while the second connection to the larger bar is made.

STEP 1

The coupler is normally supplied fixed to the reinforcing bar, ready to be installed and cast in concrete.

STEP 2

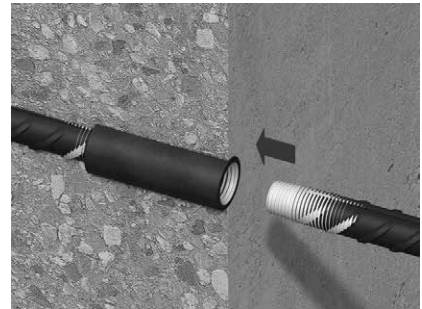
After casting the concrete and when ready to extend, remove the thread protector from the coupler. Position the continuation bar in the sleeve and rotate the bar into the coupler.

STEP 3

Continue to screw the bar into the coupler until hand tight.

STEP 4

Inspect the connection to be sure it meets 5 lb-ft.



D330 Taper-Lock® Positional Coupler

Product Description:

The D330 Taper-Lock is used to join two bars of the same size where neither bar can be rotated. Typical applications are hook bar connections and column to slab connections.

Product Features and Benefits:

- Eliminates rebar congestion
- Reduces engineering design time
- Rebar never has to be rotated
- Provides Type 2 splicing capacities and simplifies load paths
- Meets approval from IAPMO ER-0319, ACI, Caltrans, IBC and Ministries of Transportation for Ontario and Quebec
- Approved for use in fatigue applications
- Adjustability of coupler allows it to be a closer between two fixed bars

Product Specifications:

- Extension of Taper-Lock product line
- Accommodates rebar sizes #4 through #18
- Available in Black or Black Made in USA
- Type 2 Splice
- Uses a two part system for connecting rebar
- Each end must be tightened and calibrated with a torque wrench
- For use with Grade 60 rebar

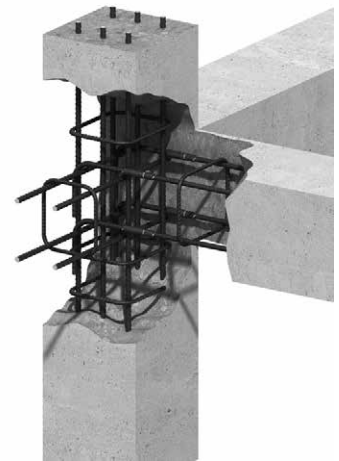
Product Codes

Bar Size			Black (Made in USA)	Black
US	Metric (MM)	CN (M)		
#4	[13]	[10]	127065	128268
#5	[16]	[15]	127066	128269
#6	[19]	[20]	127067	128270
#7	[22]	—	127068	128271
#8	[25]	[25]	127069	128272
#9	[29]	[30]	127070	128273
#10	[32]	—	127071	128274
#11	[36]	[35]	127072	128275
#12	[40]	—		
#14	[43]	[45]	127073	128276
#18	[57]	[55]	127074	128277

Other sizes available upon request

Nominal Engagement

Bar Size			MAXIMUM BAR TO BAR DISTANCE		MINIMUM BAR TO BAR DISTANCE	
US	Metric (MM)	CN (M)	US	[mm]	US	[mm]
#4	[13]	[10]	5.5	[139.7]	3.9	[99.1]
#5	[16]	[15]	5.9	[149.9]	4.2	[106.7]
#6	[19]	[20]	6.7	[170.2]	4.7	[119.4]
#7	[22]	—	7.2	[182.9]	5.1	[129.5]
#8	[25]	[25]	7.8	[198.1]	5.6	[142.2]
#9	[29]	[30]	8.7	[221.0]	6.2	[157.5]
#10	[32]	—	9.0	[228.6]	6.5	[165.1]
#11	[36]	[35]	9.6	[243.8]	7.0	[177.8]
#12	[40]	—	10.3	[261.7]	7.5	[190.8]
#14	[43]	[45]	11.8	[299.7]	8.4	[213.4]
#18	[57]	[55]	14.6	[370.8]	10.6	[269.2]

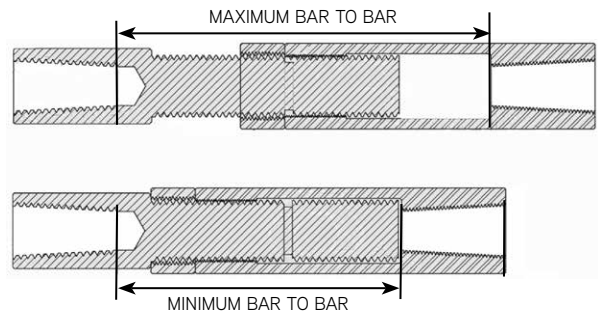


To Order:

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

Example:

500 pcs., D330 Taper-Lock® Positional Coupler, #6, Black, Made in USA not required.



Installation: D330 Taper-Lock Positional Coupler

Step 1

The female section of the positional coupler is normally cast flush in concrete. The installer must take care to protect the internal threads and prevent the ingress of concrete. Once cast and ready to extend, the male end complete with locknut can be screwed into place.

Step 2

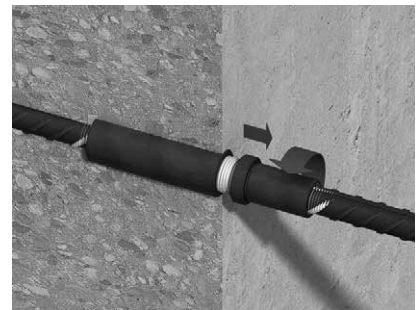
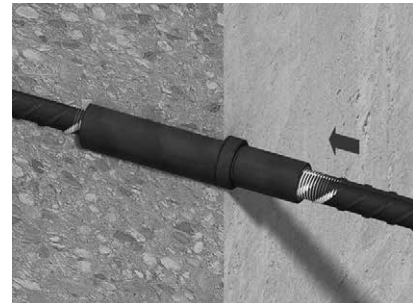
Position the continuation bar as near as possible to the coupler fitted to the cast-in-bar.

Step 3

Run the male component onto the continuation bar until fully engaged and hand tight.

Step 4

Inspect the connection to be sure it meets 5lb-ft.



Taper-Lock®

Installation Inspection

No threading beyond the Inspection Groove should be visible on the male component extending from the female component.



Only groove is visible from female component

Maximum Extension

D340 Taper-Lock® Flange Coupler

Product Description:

The D340 Taper-Lock simplifies the forming process by eliminating the need to cut or drill the formwork. It is used for segmental pours, precast applications, formed applications, and future work applications.



Product FEATURES AND BENEFITS:

- Reduces engineering design time
- Provides a safer working environment by eliminating protruding rebar ends through formwork
- Eliminates the need to cut or drill formwork
- Meets approval from IAPMO ER-0319, ACI, Caltrans, IBC, and Ministries of Transportation for Ontario and Quebec, Canada
- Eliminates rebar congestion
- Provides Type 2 splicing capacities and simplifies load paths
- Approved for use in fatigue applications

Product Specifications:

- Extension of Taper-Lock product line
- Accommodates rebar sizes #4 through #18
- Available in Black, Epoxy, or Galvanized
- Type 2 Splice
- Fastened to formwork by nails
- For use with Grade 60 rebar



Product Codes

Bar Size			Black (Made in USA)	Epoxy (Made in USA)	Black
US	Metric (MM)	CN (M)			
#4	[13]	[10]	127790	127847	128342
#5	[16]	[15]	127791	127848	128343
#6	[19]	[20]	127792	127849	128344
#7	[22]	—	127793	127850	128345
#8	[25]	[25]	127794	127851	128346
#9	[29]	[30]	127795	127852	128347
#10	[32]	—	127796	127853	128348
#11	[36]	[35]	127797	127854	128349
#12	[40]	—	145104	145105	145106
#14	[43]	[45]	127798	127855	128350
#18	[57]	[55]	127799	127856	128351

To Order:

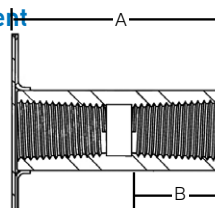
Specify: (1) quantity, (2) name, (3) rebar size, (4) finish, (5) Made in USA requirement.

Example:

500 pcs., D340 Taper-Lock® Flange Coupler, #6, Black, Made in USA not required.

Nominal Engagement

Bar Size			"A"		"B"	
US	Metric (MM)	CN (M)	US	[mm]	US	[mm]
#4	[13]	[10]	2.362	[60]	1.024	[26]
#5	[16]	[15]	2.756	[70]	1.221	[31]
#6	[19]	[20]	2.874	[73]	1.281	[32.5]
#7	[22]	—	3.189	[81]	1.399	[35.5]
#8	[25]	[25]	3.622	[92]	1.615	[41]
#9	[29]	[30]	4.016	[102]	1.812	[46]
#10	[32]	—	4.488	[114]	2.049	[52]
#11	[36]	[35]	4.921	[125]	2.246	[57.5]
#12	[40]	—	5.472	[139]	2.539	[64.5]
#14	[43]	[45]	5.827	[148]	2.719	[69]
#18	[57]	[55]	7.638	[194]	3.625	[92]



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 D340 into rebar hand tight (5 foot-pounds).

D350 Taper-Lock® End Anchor Disc

Product Description:

The D350 Taper-Lock End Anchor Discs simplify rebar splicing in areas where rebar congestion prevents the use of long lap splices or large diameter hooked rebar. The D350 Taper-Lock End Anchor Discs can be used for end anchoring, stirrup replacements, continuous splicing, and heavy anchorage of light standards and other signage.

Product Features And Benefits:

- Eliminates rebar congestion and aids in concrete placement
- Eliminates the need for hooked rebar
- Reduces engineering design time
- Provides Type 2 splicing capacities and simplifies load paths
- Improves safety related issues on the job site by reducing protruding dowels
- Conforms to ASTM A-970, ACI, Cal Trans, IBC and Ministries of Transportation for Ontario and Quebec
- Develops full strength with hand-tighten installation

Product Specifications:

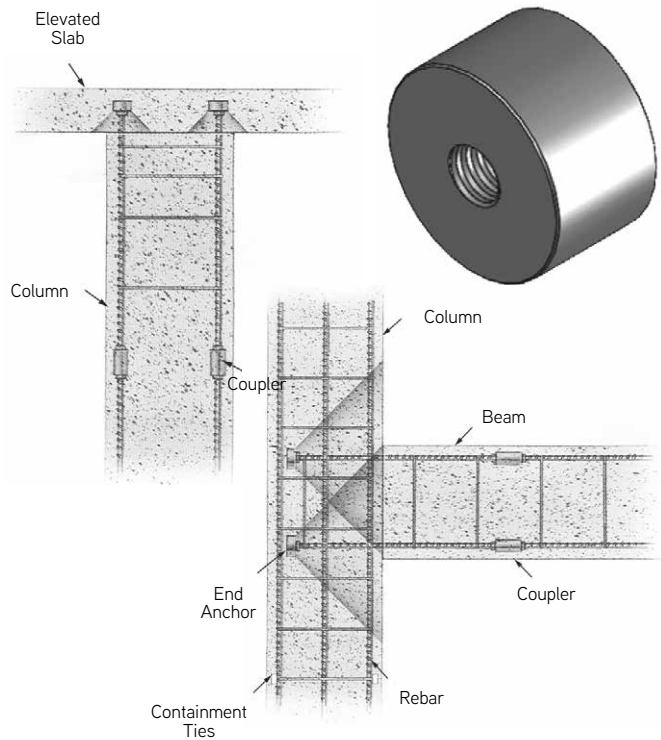
- Extension of Taper-Lock product line
- Accommodates rebar sizes #4 through #18
- Available in Plain or Epoxy
- Type 2 Splice
- Minimum Headed Bearing Area of 10Ab
- IAPMO Evaluation Report ER-245
- For use with Grade 60 rebar

Product Codes - D350 Taper-Lock End Anchor

Bar Size			Black (Made in USA)	Epoxy (Made in USA)	Black
US	Metric (MM)	CN (M)			
#4	[13]	[10]	127940	128017	128221
#5	[16]	[15]	127941	128018	128222
#6	[19]	[20]	127942	128019	128223
#7	[22]	—	127943	128020	128224
#8	[25]	[25]	127944	128021	128225
#9	[29]	[30]	127945	128022	128226
#10	[32]	—	127946	128023	128227
#11	[36]	[35]	127947	128024	128228
#12	[40]	—	145107	145108	145109
#14	[43]	[45]	127948	128025	128229
#18	[57]	[55]	127949	128026	128230

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 D350 into rebar hand tight (5 foot-pounds).



Taper-Lock®

To Order:
Specify: (1) quantity, (2) name, (3) rebar size, (4) finish, (5) Made in USA requirement.

Example:
500 pcs., D350 Taper-Lock® End Anchor Disc, #6, Black, Made in USA not required.

D351 Taper-Lock® End Anchor Disc

Product Description:

The D351 Taper-Lock End Anchor Discs simplify rebar splicing in areas where rebar congestion prevents the use of long lap splices or large diameter hooked rebar. The D351 Taper-Lock End Anchor Discs can be used for end anchoring, stirrup replacements, continuous splicing, and heavy anchorage of light standards and other signage.

Product Features and Benefits:

- Eliminates rebar congestion and aids in concrete placement
- Eliminates the need for hooked rebar
- Reduces engineering design time
- Provides Type 2 splicing capacities and simplifies load paths
- Improves safety related issues on the job site by reducing protruding dowels
- Conforms to ASTM A-970, ACI, Cal Trans, IBC and Ministries of Transportation for Ontario and Quebec
- Develops full strength with hand-tighten installation

Product Specifications:

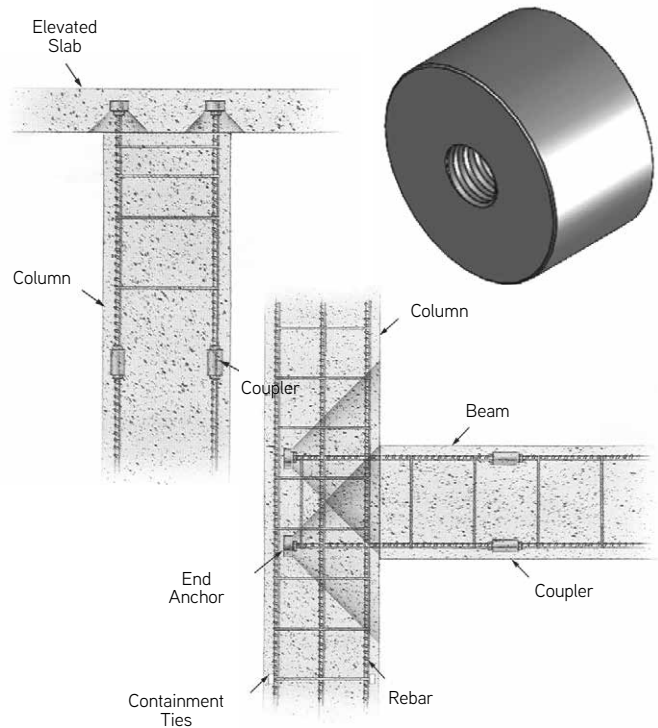
- Extension of Taper-Lock product line
- Accommodates rebar sizes #4 through #18
- Available in Plain, Epoxy, or Galvanized
- Type 2 Splice
- Minimum Headed Bearing Area of 5Ab
- IAPMO Evaluation Report ER-245
- For use with Grade 60 rebar

Product Codes - D351 Taper-Lock End Anchor

Bar Size			Black (Made in USA)	Epoxy (Made in USA)	Black
US	Metric (MM)	CN (M)			
#4	[13]	[10]	128430	128420	128375
#5	[16]	[15]	128431	128421	128376
#6	[19]	[20]	128432	128422	128377
#7	[22]	—	128433	128423	128378
#8	[25]	[25]	128434	128424	128379
#9	[29]	[30]	128435	128425	128380
#10	[32]	—	128436	128426	128381
#11	[36]	[35]	128437	128427	128382
#12	[40]	—	145110	145111	145112
#14	[43]	[45]	128438	128428	128383
#18	[57]	[55]	128439	128429	128384

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 D351 into rebar hand tight (5 foot-pounds).



To Order:

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

Example:

500 pcs., D351 Taper-Lock® End Anchor Disc, #6, Black, Made in USA not required.

D352 Taper-Lock® Column Connector

Product Description:

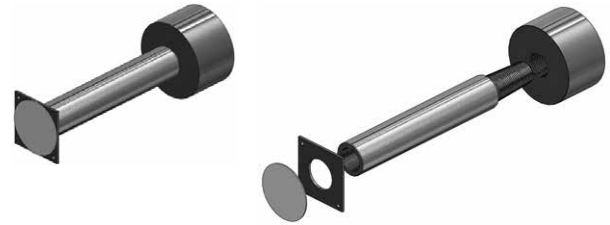
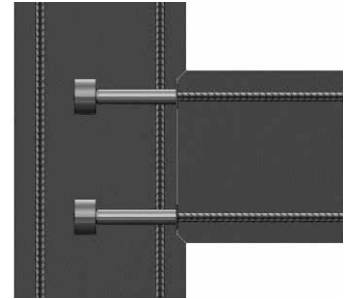
The D352 Taper-Lock Column Connector combines the features of the D340 Flange Coupler and the D350 End Anchor Disc. This unique product simplifies the forming process by eliminating the need to cut or drill formwork. Additionally, rebar splicing is simplified in areas where rebar congestion prevents the use of long lap splices or large diameter hooked rebar. This product can be used for segmental pours, precast applications, and future work applications that require end anchorage.

Product Features and Benefits:

- Eliminates rebar congestion and aids in concrete placement
- Eliminates the need for hooked rebar
- Reduces engineering design time
- Provides Type 2 splicing capacities and simplifies load paths
- Improves safety related issues on the job site by reducing protruding dowels
- Conforms to ASTM A-970, ACI, Cal Trans, IBC and Ministries of Transportation for Ontario and Quebec
- Eliminates the need to cut or drill formwork

Product Specifications:

- Extension of Taper-Lock product line
- Accommodates rebar sizes #4 through #18
- Available in Plain, Epoxy, or Galvanized
- Type 2 Splice
- Minimum Headed Bearing Area of 10Ab
- Fastened to formwork by nails
- For use with Grade 60 rebar



Taper-Lock®

To Order:

Specify: (1) quantity, (2) name, (3) rebar size, (4) finish.

Example:

500 pcs., D352 Taper-Lock® Column Connector, #6, Black.

D358 Taper-Lock® Female Bolt Head

Product Description:

The D358 Taper-Lock Female Bolt Head is a Type 2 rebar coupler used to connect rebar and provide anchorage. It consists of an integral nailing flange, a coupler forged from the end of the rebar, tapered female threads, and a forged hex bolt end anchor. The D358 is made from USA melted and rolled steel.

Application

The D358 Taper-Lock Female Bolt Head is used to connect rebar between segmental concrete pouring and provide embedment anchorage. It may be attached to formwork through the integral nailing flange.

Product Specification

- Rebar sizes #4 (13mm) through #11 (36mm)
- Available with clipped or full flange
- Available in plain, epoxy coated, or galvanized finish
- Available in carbon, weldable, chromium, or stainless steel

Product Features and Benefits

- Ability to use the flange and nails to attach the system to formwork
- Available in standard and customized lengths
- Taper-Lock Type 2 threads
- Gross bearing area of 5Ab
- Easier to use and up to 25% faster installation
- Saves \$100 in form repair costs by not requiring a rebar through-hole
- Versatility to meet project needs



To Order:

Specify: (1) quantity, (2) name, (3) rebar size, (4) length, (5) rebar.

Example:

500 pcs., D358 Taper-Lock® Female Bolt Head, #5 x 30" long, Epoxy Coated ASTM A615 Grade 60.

D360 Taper-Lock® Weldable Coupler

Product Description:

The Taper-Lock D360 Weldable Couplers provide a convenient means of connecting reinforcing bars to structural steel plates or sections. Shorter than the standard coupler, it has a tapered thread at one end. The other end is welded directly to the steel.

The couplers are produced in ASTM A108 CD 8620

The Taper-Lock Weldable Coupler is suitable for welding to structural steels. The load conditions at the connection must be determined by the engineer along with the type and size of weld required. Another important consideration is the type of electrode to be used, which must be matched to the properties of the plate and tube, and to the site conditions under which the welding will be undertaken. Welders should be qualified for the type of weld required.



Product Features and Benefits:

- The compact design of the coupler ensures suitability for use in confined situations where space is restricted or where the loss of cover must be minimized
- Reduces engineering design time
- Eliminates rebar congestion
- Provides Type 2 splicing capacities and simplifies load paths
- Meets approval from IAPMO ER-0319, ACI, Caltrans, IBC, and Ministries of Transportation for Ontario and Quebec
- Approved for use in fatigue applications

Product Specifications:

- Extension of Taper-Lock product line
- Accommodates rebar sizes #4 through #18
- Type 2 Splice
- For use with Grade 60 rebar

Product Codes D360 Taper-Lock Weldable Coupler

Bar Size			Black (Made in USA)	Thickness (in.)	Outer Diameter (in.)	20° Chamfer (in.)
US	Metric (MM)	CN (M)				
#4	[13]	[10]	128385	1.0	1.3	0.25
#5	[16]	[15]	128386	1.2	1.3	0.25
#6	[19]	[20]	128387	1.3	1.3	0.38
#7	[22]	—	128388	1.4	1.5	0.38
#8	[25]	[25]	128389	1.6	1.6	0.50
#9	[29]	[30]	128390	1.8	1.9	0.56
#10	[32]	—	128391	2.0	2.3	0.63
#11	[36]	[35]	128392	2.3	2.4	0.75
#12	[40]	—	145113	2.6	1.6	0.88
#14	[43]	[45]	128393	2.7	2.8	0.93
#18	[57]	[55]	128394	3.6	3.8	1.13

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 D360 into rebar hand tight (5 foot-pounds).

To Order:

Specify: (1) quantity, (2) name, (3) rebar size.

Example:

500 pcs., D360 Taper-Lock® Weldable Coupler, #6.

D368 Taper-Lock® Form Saver

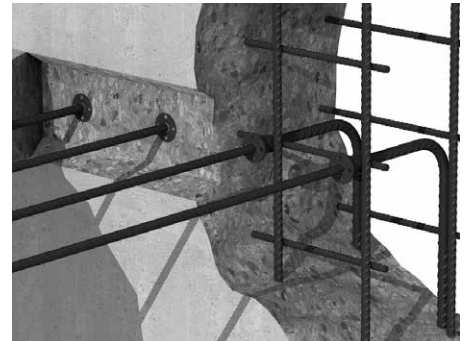
Product Description:

Made in America, taper threaded, mechanical coupler (D368) forged from the structural reinforcement. It includes an integral nailing flange used to attach the coupler to formwork. When used in conjunction with the male threaded Taper-Lock Bar (D370), the formwork does not require rebar holes in order to have a continuous path of reinforcement.



Product Features and Benefits:

- Installation not requiring a torque wrench which means it is easier to use and saves time
- Ability to use the flange and nails to attach the system to formwork eliminates repair costs associated with holes for rebar
- Components can be fabricated to order with straight, bent, hooked, or double ended for versatility to meet project needs
- Taper-Lock tapered threads is designed for hand tightening and faster installation

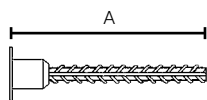


Product Specifications:

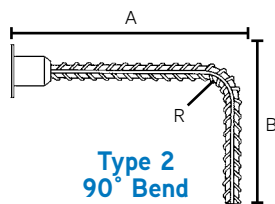
- Available in rebar sizes #4 (13mm) through #11 (36mm)
- Performs in tension and compression in excess of Type 2 performance
- Available in plain rebar finish or epoxy coated
- May contribute to LEED credits

Bar Size Designation			Type 1	Type 2			Type 3			Type 4		R min	Washer Dia.
US	Metric (mm)	CN (M)	A min	A min *	B min	A min	B min	C min	A min	Tolerance			
#4	[13]	[10]	12"	4"	2.5"	4"	2.5"	2.5"	12"	+0 -3/8"	1.25"	1.875"	
#5	[16]	[15]	14"	5"	2.5"	5"	3.75"	2.5"	12"	+0 -3/8"	1.875"	2"	
#6	[19]	[20]	16"	6"	3"	6"	4.5"	3"	14"	+0 -1/2"	2.25"	2.375"	
#7	[22]	—	16"	7"	3.5"	7"	5.25"	3.5"	16"	+0 -5/8"	2.625"	2.5"	
#8	[25]	[25]	16"	8"	4"	8"	6"	4"	16"	+0 -3/4"	3"	2.5"	
#9	[29]	[30]	16"	9"	4.5"	9"	9.5"	4.5"	16"	+0 -1"	4.75"	2.75"	
#10	[32]	—	16"	10"	5"	10"	10.75"	5"	16"	+0 -1"	5.375"	3"	
#11	[36]	[35]	16"	11"	5.5"	11"	12"	5.5"	16"	+0 -1"	6"	3.125"	

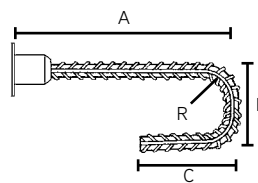
* Tolerance on bending is +0" -1"



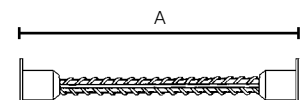
**Type 1
Single End**



**Type 2
90° Bend**



**Type 3
180° Hook**



**Type 4
Double End**

To Order:

Specify: (1) quantity, (2) name (3) type, (4) rebar size, (5) Dimensions.

Example:

500 pcs., D368 Taper-Lock® Form Saver, Type 1, Single ended, #11, 36".

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 D368 into rebar hand tight (5 foot-pounds).

D370 Taper-Lock® Threaded Bar

Product description:

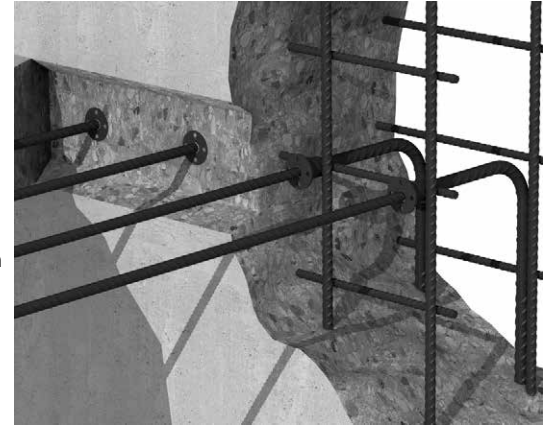
Made in America, taper threaded reinforcing bar (D370) is available in single ended, bent, hook ended, double ended or a fully custom configuration. It requires no torque wrench to assemble and can be used with any Taper-Lock splicing product.

Product Features and Benefits:

- Installation does not require a torque wrench is easier to use and saves time
- Ability to use the flange and nails to attach the system to forms eliminates repair costs associated with holes for rebar
- Components can be fabricated to order with straight, bent, hooked, or double ended for versatility to meet project needs
- Taper-Lock tapered threads is designed for hand tightening and faster installation

Product Specifications:

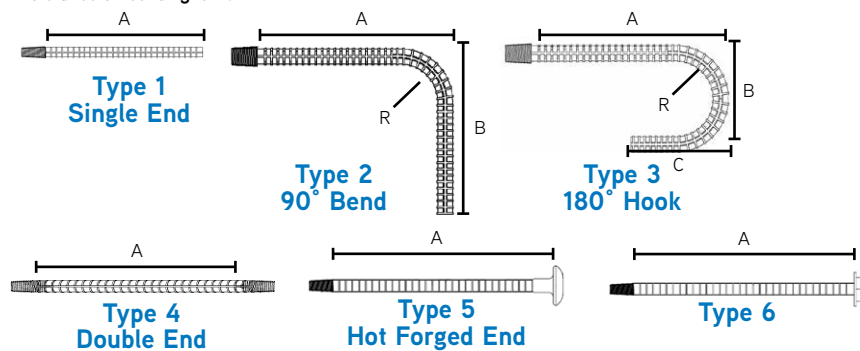
- Available in rebar sizes #4 (13mm) through #11 (36mm)
- Performs in tension and compression in excess of Type 2 performance
- Available in plain rebar finish or epoxy coated
- May contribute to LEED credits



Taper-Lock®

Bar Size Designation			Type 1	Type 2			Type 3			Type 4	Type 5	Type 6	R min
US	Metric (mm)	CN (M)	A min	A min*	B min	A min	B min	C min	A min	A min	A min		
#4	[13]	[10]	9"	4"	2.5"	4"	2.5"	2.5"	12"	12"	12"	1.25"	
#5	[16]	[15]	9"	5"	2.5"	5"	3.75"	2.5"	12"	12"	12"	1.875"	
#6	[19]	[20]	9.25"	6"	3"	6"	4.5"	3"	14"	14"	14"	2.25"	
#7	[22]	-	9.25"	7"	3.5"	7"	5.25"	3.5"	16"	16"	16"	2.625"	
#8	[25]	[25]	15.5"	8"	4"	8"	6"	4"	16"	16"	16"	3"	
#9	[29]	[30]	15.5"	9"	4.5"	9"	9.5"	4.5"	16"	16"	16"	4.75"	
#10	[32]	-	15.75"	10"	5"	10"	10.75"	5"	16"	16"	16"	5.375"	
#11	[36]	[35]	16"	11"	5.5"	11"	12"	5.5"	16"	16"	16"	6"	

* Tolerance on bending is +0" -1"

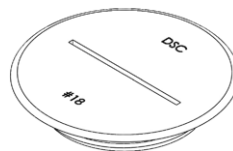


To Order:
Specify: (1) quantity, (2) name (3) type, (4) rebar size, (5) Dimensions.

Example:
600 pcs., D370 Taper-Lock® Threaded Bar, Type 1, Single ended, #11, 36".

D382 TAPER-LOCK® THREADED PLUG

The Taper-Lock Threaded Plug fits Dayton Superior Taper-Lock Couplers sizes #4 through #18. The plastic plugs are threaded to provide a positive, secure fit with the coupler. The threaded plugs protect the internal threads of the coupler from external factors such as concrete and water. The plugs have a notch in the top surface for easy removal.



Coupler Size	Product Code	Weight
#4	139963	0.005
#5	139964	0.006
#6	139965	0.006
#7	139966	0.008
#8	139967	0.011
#9	139968	0.017
#10	139969	0.019
#11	139970	0.022
#14	139971	0.024
#18	139972	0.039

Cyclic Test Results - Compression

Bar Size	Bar Area (in ²)	Compressive Strength		
		(kips)	(ksi)	(%fy=60)
4	0.20	18	90	150%
5	0.31	27.9	90	150%
6	0.44	39.6	90	150%
7	0.60	54	90	150%
8	0.79	71.1	90	150%
9	1.00	90	90	150%
10	1.27	106.7	84	140%
11	1.56	140.4	90	150%
14	2.25	175	77.8	130%
18	4.00	333.6	83.4	139%

Cyclic Test Results - Standard Specimens

Bar Size	Bar Area (in ²)	Cyclic Load Levels (Stages 1, 2, 3)				Tensile Strength (Stage 4)			
		Pmin (kips)	Pmax1 (kips)	Pmax2 (kips)	Pmax3 (kips)	(kips)	(ksi)	(%fy=60)	(%fua)
4	0.20	-6	11.4	12.0	13.1	19.7	98.3	163.6	99.2
5	0.31	-9.3	17.7	18.3	20.66	31.1	100.32	167.2	97.6
6	0.44	-13.2	25.1	27.22	29.24	42.44	96.44	160.8	97.6
7	0.60	-18	34.2	37.64	39.38	58.56	97.6	162.8	77.996
8	0.79	-23.7	45	52.76	54.56	78.58	99.46	165.6	96.6
9	1.00	-30	57	65.72	71.62	97.96	97.96	163.4	96
10	1.27	-38.1	72.4	95.66	98.98	122.26	96.26	160.6	98.2
11	1.56	-46.8	88.9	97.46	111.18	153.1	98.16	163.8	96.4
14	2.25	-67.5	128.3	156.86	173.9	226.56	100.68	167.8	97
18	4.00	-120	228	339.6	375.2	421.14	105.3	175.6	88.8

Cyclic Test Results - Position/Transition Specimens

Bar Size	Coupler Type	Bar Area (in ²)	Cyclic Load Levels (Stages 1, 2, 3)				Tensile Strength (Stage 4)			
			Pmin (kips)	Pmax1 (kips)	Pmax2 (kips)	Pmax3 (kips)	(kips)	(ksi)	(%fy=60)	(%fua)
4	4/5 Transition	0.20	-6	11.4	12.2	12.9	19.5	97.3	162.2	98.0
5	5/6 Transition	0.31	-9.3	17.7	18.4	20.5	30.8	99.2	165.6	96.8
6	6 Position	0.44	-13.2	25.1	27.2	28.0	42.7	97.1	162.0	98.4
7	7/8 Transition	0.60	-18	34.2	37.4	39.5	58.8	98.0	163.2	98.0
8	8 Position	0.79	-23.7	45.0	53.1	55.1	78.5	99.4	165.4	96.6
9	9/10 Transition	1.00	-30	57.0	66.4	72.6	98.0	98.0	163.2	96.0
10	10 Position	1.27	-38.1	72.4	95.3	98.1	121.3	95.5	159.2	97.2
11	11/14 Transition	1.56	-46.8	88.9	97.9	111.9	156.1	100.0	167.0	98.6
14	14 Position	2.25	-67.5	128.3	150.4	181.7	223.5	99.3	165.6	87.4