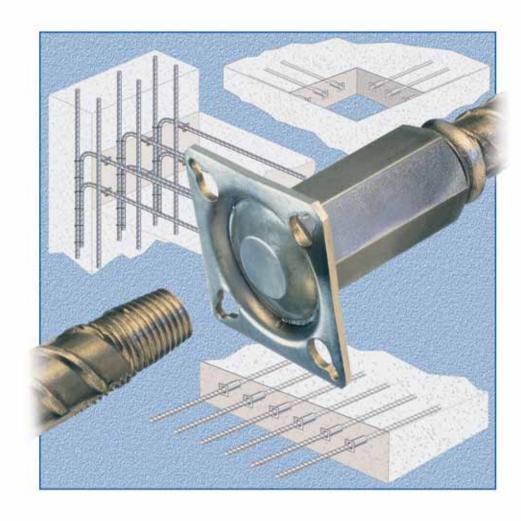


LENTON® FORM SAVER

Mechanical Rebar Splicing System





Dowel bars, the reinforcing steel that protrudes through formwork, have been the traditional method for joining bars in segmental pours. In recent years, many contractors and construction product suppliers have discovered that dowel bar substitutes can improve their schedules and bottom line by eliminating costly form repair and cleaning. LENTON® FORM SAVER — the most efficient dowel bar substitute on the market today.



Which method makes more sense when it comes to

Dowel Bar Problems



Exposed dowels on the job site are a hazard. In addition, they can be bent or damaged.



There are a number of mechanical dowel bar substitutes on the market today, but there's only one with the LENTON®
Tapered Thread.

Drilling forms for dowels is expensive, and form removal is difficult and time consuming.

- Prevents slip forming
- Protruding dowel bars cause safety hazards
- Makes form removal difficult and time consuming
- Damages costly formwork
- Can be exposed to damage (broken or bent)

ENTON® FORM SAVER

value, productivity and safety?

LENTON® FORM SAVER Solutions

BEFORE CONCRETE POUR



Instead of drilling, simply nail the LENTON® FORM SAVER onto the form.

- Allows for easier slip, gang and jump forming
- Eliminates potential on-site safety hazards
- Eliminates drilling of expensive formwork
- Maintains rebar continuity independent of concrete cover
- Protects valuable forms by allowing stripping, cleaning and recycling of forms in less time
- Provides greater structural integrity
- Exceeds ACI® Type 1 and Type 2 splice requirements and other international building-code requirements

AFTER CONCRETE POUR



The form removal is quick and the protective metal disc is easily removed with a screwdriver



With the disc removed, the clean internal threads are exposed.



The male end of the rebar is easily installed into the threaded coupler.



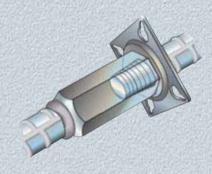
With a few quick turns, the rebar is locked in place.

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Dowel Bar vs. LENTON

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ERICO The Company



The LENTON® FORM SAVER is manufactured with our patented LENTON taper threads:

- Positive lock, no-slip connection provides strength, consistency and reliability
- Eliminates cross-threading problems and job-site delays
- Requires 41/2 turns for complete installation
- Manufactured using an ISO® 9001:2008 registered quality system
- Self-aligning



www.erico.com

Project References

From simple commercial buildings to complex structures, the LENTON® FORM SAVER system is used in a wide variety of projects.

Partial List:

Adelphia Coliseum

Bally's Casino Parking
Garage

Atlantic City, NJ

Bunker Hill Bridge

Boston, MA

Central Artery

Boston, MA

Chesapeake Bay Bridge

Annapolis, MD

Cleveland Browns Stadium

Cleveland, OH

Dallas Cowboy Stadium

Dallas, TX

Dallas-Fort Worth Airport
Parking Garage
Ft. Worth, TX

FAA Control Tower
Galena Creek Bridge (I-580)
Mt. Rose, NV
Hard Rock Hotel & Casino
Hoover Dam By-Pass Bridge
NV/AZ Border
Intel
Hillsboro, OR
Island Tower Condo
Pensacola, FL

LA Subway Station North Hollywood, CA
Madison Financial Seattle, WA

Memphis, TN

Micron Salt Lake City, UT

Motorola Austin, TX

Ohio Stadium – Ohio State University Columbus, OH

Olmsted Lock and Dam Olmsted, IL

Paris Hotel and Parking Structure

Memphis ATCT

Structure Las Vegas, NV
Pinnacle Condos Toronto, Canada
Planet Hollywood Casino Las Vegas, NV

Portland Air Traffic Control

Tower Portland, OR
Portland Tunnel Portland, OR

Salt Lake City Air Traffic

Control Tower Salt Lake City, UT
Scott Air Force Base Bellevill, IL

SF Bay Bridge San Francisco, CA
SF International Airport San Francisco, CA
Staples Center Los Angeles, CA

Turnberry Condominiums Las Vegas, NV
Trump Tower Chicago, IL

US Navy Drydock Norfolk, VA

World Trade Center,
Tower 1 (Freedom Tower)

WWII Memorial

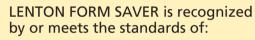
W

New York City, NY Washington DC

LENTON° FORM SAVER The easiest, most efficient on the market today

LENTON® FORM SAVER dowel bar assemblies provide continuity and structural integrity to reinforced concrete construction in segmental pour applications. The LENTON FORM SAVER is designed with our unique LENTON tapered thread system, factory installed thread protectors, and durable mounting plates for easy attachment to forms. The taper threaded design, like the complete family of LENTON couplers, provides load path continuity in tension, compression and stress reversal applications.

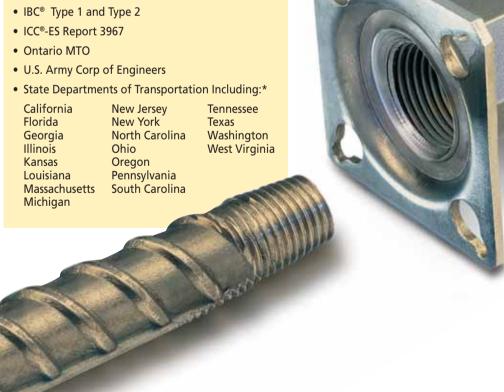
LENTON FORM SAVER mechanical splices provide superior performance well beyond the yield strength of the reinforcing bar. In fact, LENTON FORM SAVERS exceed the requirements for ACI® Type 1 and Type 2, and are recognized under ICC®ES report ER3967.

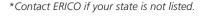


AASHTO®

ACI 318 Type 1 and Type 2

• IAPMO-ES Report 0129





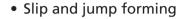


dowel bar substitute

LENTON® FORM SAVER Benefits:

LENTON FORM SAVER splices out perform dowel bars because of their ability to develop strength requirements independent of concrete cover. Their ease of installation, consistent performance, and durability add value and integrity to your structure.

LENTON FORM SAVERS are ideal for:



Segmental poursStairwell applications

• Equipment hatch openings

• Tower crane openings

Slabs

Bridge decks

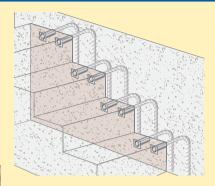
• Future extension*

The LENTON FORM SAVER

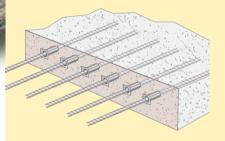
/ nail plate is made of a heavy
gauge steel.

Nail Plate Dimensions: #4 - #8 2-1/4" x 2-1/4" #9 - #11 2-1/2" x 2-1/2" Internal threads of the coupler are protected by a metal disc or plastic plug pressed into the nail plate. After the forms are removed, this disc can be knocked out exposing the contamination-free internal threads.

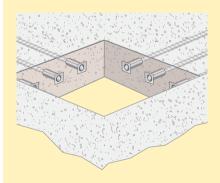
Applications



Stairwell



Highway/Bridge Slabs



Equipment and Crane Openings

LENTON FORM SAVER is also available in epoxy and hot-dipped galvanized finishes.

Specifications:

Keyed holes allow you to

first drive a nail into your

Remaining nails may then

be driven providing quick

and easy installation.

form to hang the assembly.

Ероху	ASTM® A775
Hot Dipped Galvanized	ASTM A775**

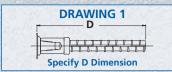
Clipped flange or double clipped flange available (epoxy shown) for concrete cover concerns (sizes #4-7).

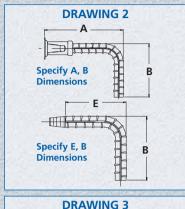


^{*} For "long-term" protection, ERICO recommends our plastic taper threaded plugs.

^{**}Contact ERICO for availability of hot dip galvanized.

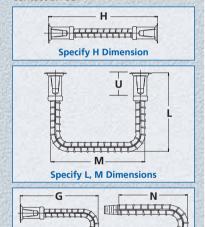
ENTON® FORM SAVERS





Other configurations available as shown. Contact ERICO.

Specify C Dimension

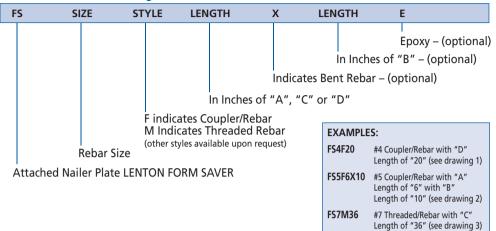


Specify G, N Dimensions

LENTON® FORM SAVER Product Line

LENTON FORM SAVER is available in sizes #4 - #11 (Metric sizes-12 mm through 36 mm) factory standard sizes (lengths) or in custom lengths. Unique bend configurations are also available. When ordering, please inquire about size availability per line item. LENTON FORM SAVER is available nationwide through our network of remote manufacturing centers, assuring prompt delivery.

How to Order by Part Number

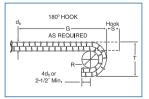


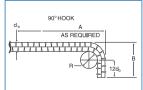
LENTON FORM SAVER

ASTM	Reb	oar Designat	ion	Taper	Threaded I	Rebar	Taper Threaded Rebar (Female)¹				
in-lb	Metric (mm)	Canada	Part No.	Leng (in)	th "C" (mm)	Part No.	Length "D" (in) (mm)				
4	12 mm	10 M	13	FS4M24 FS4M36	24 36	610 914	FS4F20 FS4F24	20 24	508 610		
5	16 mm	15 M	16	FS5M24 FS5M30 FS5M36	24 30 36	610 762 914	FS5F24 FS5F30 FS5F36	24 30 36	610 762 914		
6	20 mm	20 M	19	FS6M36	36	914	FS6F24 FS6F36	24 36	610 914		
7	22 mm	_	22	FS7M36 FS7M48	36 48	914 1219	FS7F36	36	914		
8	25 mm	25 M	25	FS8M48	48	1219	FS8F52	52	1321		
9	28 mm	30 M	29	FS9M48	48	1219	FS9F52	52	1321		
10	32 mm	_	32	FS10M60	60	1524	FS10F64	64	1626		
11	36 mm	35 M	36	FS11M60	60	1524	FS11F64	64	1626		

Standard Hooks and Bends

	Rebar Designation		Pi Dian				180° Hooks*				90° Hooks		Bar Engagement		Coupler Length		
ASTM® in-lb	Metric (mm)	Canada	Soft Metric	"F (in)	R" mm	" <i>إ</i> " (in)	A" mm	(in)	S" mm	(in)	mm	" (in)	B" mm	"Z (in)	mm	"U (in))" mm
4	12 mm	10M	13	3	76	4-1/2	114	6	152	4	102	8	203	9/16	14	1-1/2	38
5	16 mm	15M	16	3-3/4	95	5-1/2	140	7	178	5	127	10	254	7/8	22	2	51
6	20 mm	20M	19	4-1/2	114	6-1/2	165	8	203	6	152	12	305	1-1/8	29	2-1/2	64
7	22 mm	_	22	5-1/4	133	7-1/4	184	10	254	7	178	14	356	1-1/4	32	2-3/4	70
8	25 mm	25M	25	6	152	10-1/2	267	11	279	8	203	16	406	1-3/8	35	3-1/2	89
9	28 mm	30M	29	9-1/2	241	12-1/4	311	15	381	11-3/4	298	19	483	1-1/2	38	3-3/4	95
10	32 mm	_	32	10-3/4	273	13-3/4	349	17	432	13-1/4	337	22	559	1-9/16	40	3-15/16	100
11	36 mm	35M	36	12	305	14-3/4	375	19	483	14-3/4	375	24	610	1-11/16	43	4-1/8	105





*ACI® 318 Chapter 7.1



LENTON® FORM SAVER Mechanical Splices

How to Order:

To order the correct LENTON® FORM SAVER mechanical splices for your construction applications, please call ERICO toll free at 1-800-248-2677. Locations are listed on back cover.

How to Specify:

Specific: Mechanical connections shall be LENTON FORM SAVERS as manufactured by ERICO.

Generic: The mechanical connection shall meet building code requirements of developing in tension or compression as required by local norms/codes. The mechanical connection shall be positive-locking, taper-threaded-type coupler manufactured from high quality steel. The bar ends must be taper threaded using the manufacterer's bar threading equipment to ensure proper taper and thread engagement. Bars shall be installed to the manufacturer's requirements. The couplers shall be manufactured using registered quality systems around the world.

A Look At ERICO Concrete Reinforcement Products

ERICO has been a pioneer in the concrete construction industry for more than 40 years. We changed rebar splicing, first with CADWELD® mechanical connections, then with the LENTON® mechanical splicing system – the #1 mechanical connector in the world. ERICO now offers a wide range of mechanical splices for almost any construction need:



CADWELD® — Premiere mechanical splicing system

LENTON® FORM SAVER — Ideal for segmental pour

LENTON® INTERLOK — Ideal for precast structures

LENTON® QUICK WEDGE — Ideal for quick retrofit

LENTON® SPEED SLEEVE — Ideal for compression situations

LENTON® TERMINATOR — Ideal alternative to hooked rebar anchorage

LENTON® LOCK — Ideal for in-situ splices

The entire ERICO line of mechanical rebar splices has replaced many conventional splicing systems, such as welding and lap splicing. Unlike butt welding, ERICO products require no special training or external power source, are guicker to install and inspect, reduce crane time, improve the tensile strength of the splice and can be installed in any weather.

As your rebar splicing specialist, ERICO offers you the expertise you need for all your rebar splicing projects.

Call ERICO Toll-Free at 1-800-248-2677 or fax 1-800-462-4712 for technical specifications and additional information.













ERICO products shall be installed and used only as indicated in ERICO's product instruction sheets and training materials. Instruction sheets are available at www.erico.com and from your ERICO customer service representative. Improper installation, misuse, misapplication or other failure to completely follow ERICO's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death.

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ERICO products are warranted to be free from defects in material and workmanship at the time of shipment. NO OTHER WARRANTY, WHETHER EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY
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be made in writing within 5 days after Buyer's receipt of products. All other claims must be made in writing to ERICO within 6 months from the date of shipment or transport. Products claimed to be nonconforming or
defective must, upon ERICO's prior written approval in accordance with its standard terms and procedures governing returns, promptly be returned to ERICO for inspection. Claims not made as provided above and within
the applicable time period will be barred. ERICO shall in no event be responsible if the products have not been stored or used in accordance with its specifications and recommended procedures. ERICO will, at its option,
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