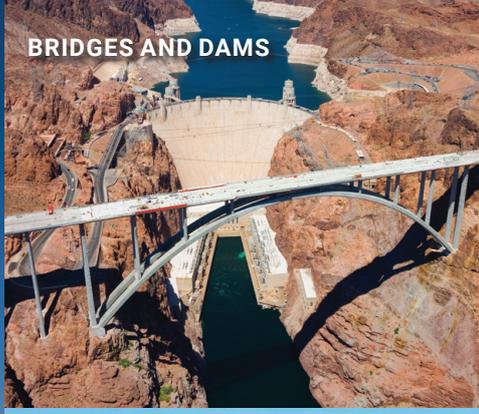


BUILDINGS



BRIDGES AND DAMS



NUCLEAR



STADIUMS



PRECAST



CONNECT AND PROTECT

# The Rebar Splicing Experts

Providing Confidence in Mechanical Rebar Connections

  
nvent

**LENTON**

# nVent LENTON, a world leader in mechanical rebar coupling, offers a full range of products for cast-in-place, pre-cast and masonry construction projects.

nVent manufactures and markets the nVent LENTON brand of splicing and anchorage systems which are supported by well respected engineering capabilities, extensive experience and thorough testing. nVent LENTON couplers offer proven performance over decades of installations and thousands of projects both in standard applications as well as in the most

demanding installations worldwide. nVent LENTON couplers from nVent exemplify durability; providing reliable performance to stringent worldwide building code requirements. **When you purchase nVent LENTON couplers, you can be confident that the products will perform!**



Lap splicing  
**produces**  
congestion



Mechanical splicing  
**reduces** congestion



## **BENEFITS OF MECHANICAL SPLICING**

Ease of use, reliability, structural integrity and reduced congestion are just some of the benefits of using nVent LENTON mechanical rebar couplers. While lap splices depend on concrete for strength, mechanical splicing provides the assurance of maintaining load path continuity of the structural reinforcement independent of the condition or existence of the concrete.

## **MECHANICAL SPLICES:**

- Are more reliable than lap splices
- Do not depend on the concrete for load transfer
- Offer greater structural integrity
- Provide strength and toughness during seismic, natural event or man-made forces
- Deliver higher performance than lap splices (based on published codes and standards)
- Reduce congestion for improved installed concrete quality
- Allow ideal balance of steel and concrete by eliminating additional rebar in the lap zone
- Are fast and easy to install, requiring no specialized skilled labor
- Allow the use of larger diameter rebar in smaller columns
- Are cost effective – reduce labor costs and extra rebar materials costs



## 1. NVENT LENTON TAPER THREADED COUPLERS

nVent LENTON couplers are the slimmest available. The tapered thread makes the coupler easy to install, cost effective and reliable – providing confidence in your coupler choice.

### THE TAPER THREADED RANGE INCLUDES:

- A. **Standard couplers** – designed to splice the same diameter bars where at least one bar is free to rotate. Offers full tension capacity.
- B. **Transition couplers** – for use when splicing different diameter bars where at least one bar can be rotated.
- C. **Position couplers** – for splicing two curved, bent or straight bars when neither bar can be rotated.

**Weldable couplers** – designed for connecting reinforcing bar to structural steel sections or plates.

**Bolt couplers** – for joining structural steel to reinforced concrete. Bolt couplers provide full joint strength between a reinforcing bar and a standard straight threaded bolt or all-thread rod.

## 2. FORM SAVER

Form Saver is ideal for eliminating protruding dowel bars in segmental pour applications and temporary openings. It allows for joining rebar in staged construction while still protecting the forms from damage. Great for sliding or jump form applications on core walls.

## 3. TERMINATOR

Terminator is an over-sized taper-threaded end anchor which is secured to the end of a length of reinforcing steel bar, creating a more effective anchorage than traditional hooked rebar. This greatly simplifies rebar placement, reduces congestion and improves structural integrity.

## 4. INTERLOK

Interlok is a versatile precast joining system designed to provide structural integrity between load bearing precast members such as columns, beams and shear walls. The Interlok splice offers superior construction efficiency by eliminating blockouts and concrete patching.

## 5. LOCK

Lock is an in-situ rebar splice that requires no bar-end preparation. It is ideal for new construction, repair, bent bar or retrofit precast applications.

## 6. CADWELD REBAR SPLICE

For the most demanding applications, the Cadweld mechanical splicing system has extremely high tensile performance. The Cadweld rebar splice is a metal filled mechanical butt splice, that produces a joint with basically the same mechanical properties as those of an unspliced bar. Cadweld rebar is suitable for in-situ splicing applications and is the preferred system in nuclear construction worldwide.

## 7. QUICK WEDGE

Quick Wedge is fast and easy to install in retrofit applications such as bridge widening, seismic upgrades, closure pours and pile extensions. Used for joining small diameter reinforcing bars, it reduces costly and potentially damaging concrete removal.

## 8. SPEED SLEEVE

Speed Sleeve is the ideal mechanical splice for compression only steel reinforcement applications. The system is designed for fast, one man installation and is designed to allow compressive loads to be transferred by aligning square cut rebar to bear on one another.

Our powerful portfolio of brands:

**CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER**



[nVent.com/LENTON](https://www.nvent.com/LENTON)

**WARNING** nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [nVent.com/ERICO](https://www.nvent.com/ERICO) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and/or death, and void your warranty.

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