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CONNECT AND PROTECT

nVent LENTON

THE REBAR SPLICING SPECIALISTS
FOR NUCLEAR CONSTRUCTION


nVent

LENTON

nVent LENTON – Experience Makes the Difference

INTERNATIONAL CODES & STANDARDS

nVent LENTON mechanical splices meet the requirements of ISO 9001:2000 and the following major international codes and standards:



Australia
AS3600



Austria
ÖNORM B 4700



Brazil
abnt – nbr 8548 – ago/84



Canada
CAN/CSA - N287.2
CAN/CSA - N287.3
CAN/CSA - N287.4



Chile
NCH 204



China
GB 1499-91



Finland
BY 4B



France
NF A 35-020-1



Germany
DIN 1045



Japan
JIS G3112



Malaysia
MS146



Netherlands
NEN 6720 / NEN 6723



United Kingdom
BS 8110
Sellafield Ltd.
UK CARES



United States
AASHTO*; ACI* 318-2008;
ACI 349; ACI 359 /
ASME-III div 2,
ASME QSC, ICBO, ICC,
NQA-1, NRC, UBC* 1997;
U.S. Army Corps of
Engineers



Considered the rebar connections of choice, LENTON and CADWELD mechanical splices have been used in over 200 nuclear power plants, and dozens of related nuclear processing projects worldwide. nVent has a history of successfully supporting multiple large projects simultaneously. This proven expertise exemplifies true quality and service you can count on. nVent systems are ISO 9001:2000, NQA-1, and ASME®-QSC certified. You can trust nVent to provide the quality systems and protocol to immediately support your needs.



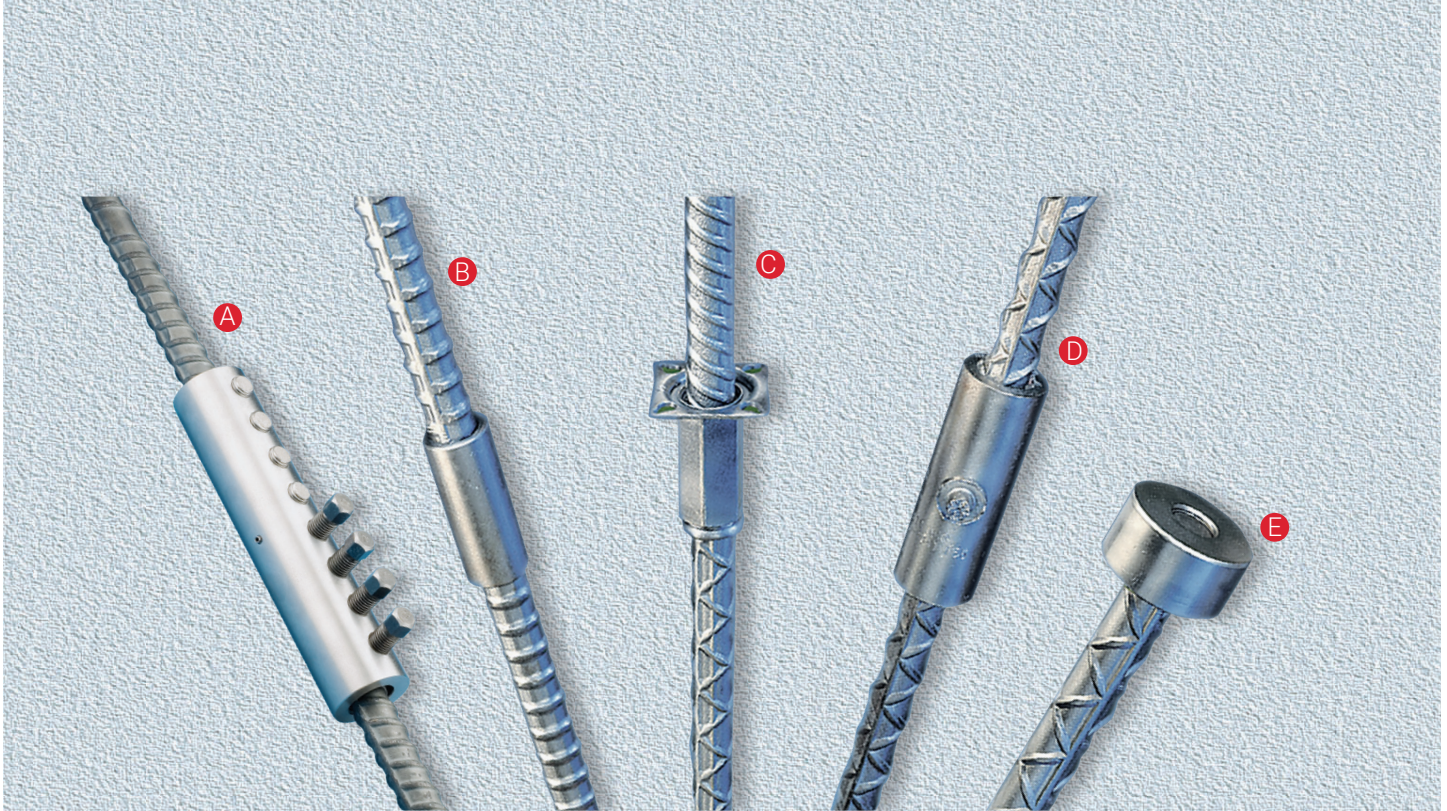
NVENT LENTON – TESTED OVER TIME

LENTON and CADWELD mechanical rebar splices are the most tested splices on the market and meet the codes of most national and international regulatory organizations. With over 25,000 tensile field tests performed, you can be assured our products are designed to meet your required performance. Our library of test data includes test programs such as high-impact testing (blast), cryogenic testing, misalignment testing, fatigue testing (cyclic/seismic), ACI 359/ASME-III Div 2, ACI 349, and many more.

NVENT LENTON – ENGINEERING SOLUTIONS AND SUPPORT

At nVent, we can provide a solution to meet your most demanding application. With our staff of qualified, experienced engineers and test equipment capable of testing 57 (#18) mm rebar to Ultimate Tensile strength, we have the ability to produce custom products that will meet your design needs.

The nVent LENTON Rebar Splicing Family



A NVENT LENTON LOCK

LENTON LOCK is an in-situ rebar splice that requires no bar-end preparation. It is ideal for repair, new construction, bent bar or retrofit applications. The LENTON LOCK coupler features patented gripping technology that provides for the development of full rebar strength and improved overall structural integrity in tension, compression, stress reversal and dynamic applications. Ideal for use in column splicing, piling, splicing to protruding dowels cast in concrete, closure pours, beams, mats, and other demanding splicing applications.

B NVENT LENTON AND LENTON PLUS TAPER THREADED SPLICES

LENTON standard couplers are some of the slimmest couplers available and their tapered thread makes them the most reliable, easy to install and cost effective system. The LENTON taper threaded range consists of standard and transition couplers as well as positional couplers to join bars of any shape, size and diameter. Weldable and bolt couplers are also available for joining structural steel to reinforced concrete. Whatever your performance demands require, whether it be seismic, blast or bar break capabilities, LENTON has a system to meet your most demanding design requirements.

C NVENT LENTON FORM SAVER

LENTON FORM SAVER is ideal for eliminating protruding dowel bars in segmental pour applications and temporary openings. It is uniquely designed with the LENTON tapered thread, factory installed thread protector and nailing plate for easy attachment to the form. Ideal for jump form, slip form and flying form construction.

NVENT CADWELD

- D** CADWELD rebar splices are used where strength and toughness are critical. CADWELD – the world's premier mechanical splicing system – offers consistency as well as versatility and flexibility. The CADWELD rebar splicing system is the most used system in nuclear construction worldwide. CADWELD is also used for curved radius bars and for no bar end preparation applications where new reinforcement is connected to existing reinforcement.

NVENT LENTON TERMINATOR

- E** LENTON TERMINATOR is a taper-threaded anchorage, which is secured to the end of a length of reinforcing steel bar and is capable of creating a more effective anchorage than the traditional hooked rebar. This approach greatly simplifies rebar placement, reduces congestion and improves structural integrity.

Nuclear Projects Built Using nVent LENTON Systems and nVent CADWELD Rebar Splices

ARGENTINA

Atucha 2 (Lima, Buenos Aires)

BRAZIL

Angra 1 (Itaorna)

CHINA

Daya Bay Phase 1 (Guangdong)

CANADA

Gentilly 2 (Becancour, Que.)

Pickering (Pickering, Ont.) 1, 2, 3, 4

Point Lepreau (Bay Of Fundy, N.B.)

FINLAND

Olkiluoto 3

FRANCE

Andra Nuclear Waste Deposit

Bugey 1 (Ain) 1, 2, 3

Dampierre (Loiret) 1, 2, 3

Fessenheim (Haut-Rhin) 1, 2

La Hague

Saint-Laurent-Des Eaux

(Loir-Et-Cher) 1, 2

Tricastin 1 (Drome)

GERMANY

Kernforschungszentrum Garching

Kernkraftwerk Brokdorf

Kernkraftwerk Esenshamm/
Unterweser

Verglasungseinrichtung Karlsruhe

Zwischenlager Pka Gorleben

ITALY

Caorso (Caorso, Placenza)

Montalto D1 Castro 1, 2

KOREA

Kedo Unit 1 (Hamkyungnam-Do,
Dprk)

Kori Unit (Pusan) 1, 2, 3, 4

Shin Kori Unit (Pusan) 1, 2

Shin Wolsung Unit (Gyeongju) 1, 2

Ulchin Unit (Kyougbuk) 1, 2, 3, 4, 5, 6

Wolsung Unit (Gyeongju) 1, 2, 3, 4

Yonggwang Unit (Jun Nam) 1, 2, 3,
4, 5, 6

MEXICO

Laguna Verde (Laguna Verde
Veracruz) 1, 2

NETHERLANDS

Borselle Covra Habog

PHILIPPINES

Philippine National Power Plant 1
(Morong, Battan Luzon)

SOUTH AFRICA

Koeberg (Near Cape Town) 1, 2

SPAIN

Almaraz (Almaraz, Caceres) 1, 2

Asco (Asco, Tarragona) 1, 2

Cabo Cope (Cope Province
Of Murcia)

Confrontes (Cofrentes, Valencia)

Fuerzas Electricas De Cataluna S. A.

Lemoniz (Lemoniz, Vizcaya) 1, 2

Santa Maria Degarona
(Santa Maria De Garona, Burgos)

Sayago (Sayago, Zamora)

Trillo (Trillo, Guad.) 1, 2

Valdecaballeros (Badajoz) 1, 2

Vandellos 2 (Tarragona)

SWEDEN

Forsmark 1 (Uppsala)

Ringhals (Varberg) 1, 2

TAIWAN

Kuosheng (Kuosheng) 1, 2

Maanshan 1 (Maanshan)

UNITED KINGDOM

Berckley Power Station

Hunterston Power Station

Sellafield Thorp Thermal
Oxidisation Reprocessing Plant

Sellafield Vit 1 & 2 Vitrification Plants

Sellafield Ep1 Encapsulation Plant 1

Sellafield Eps1 Encapsulation Plant
Store 1

Sellafield Eps2 Encapsulation Plant
Store 2

Sellafield Vit3 Vitrification 3

Sellafield DP3 Drypack Store

Sellafield Bep Box Encapsulation
Plant

Sizewell Power Station

Torness Power Station

UNITED STATES

Beaver Valley (Shippingport, PA) 1, 2

Bellefonte (Scottsboro, AL) 1, 2

Braidwood (Braidwood, IL) 1, 2

Browns Ferry (Decatur, AL) 1, 2, 3

Brunswick (Southport, NC) 1, 2

Byron (Byron, IL) 1, 2

Callaway 1 (Fulton, MO)

Calvert Cliffs (Lusby, MD) 1, 2

Carroll County (Savanna, IL) 1, 2

Catawba (Clover, SC) 1, 2

Clinton (Clinton, IL) 1, 2

Comanche Peak (Glen Rose, TX) 1, 2

Cooper (Brownsville, NE)

Crystal River 3 (Red Level, FL)

Davis-Besse 1 (Oak Harbor, OH)

Diablo Canyon (Avila Beach, CA) 1, 2

Donald C. Cook 2 (Bridgman, MI)

Dresden (Morris, IL) 1, 2, 3

Duane Arnold (Palo, IA)

Edwin I. Hatch (Baxley, GA) 1, 2

Fermi 2 (Newport, MI)

Fort Calhoun 1 (Ft. Calhoun, NE)

Fort St. Vrain (Platteville, CA)

Grand Gulf (Port Gibson, MS) 1, 2

Haddam Neck (Haddam Nexx, CT)

Hanford-N (Richland, WA)

Hartsville (Hartsville, TN) A1, A2

Hope Creek 1 (Salem, NJ)

Indian Point (Indian Point, NY) 2, 3

James A. Fitzpatrick (Scriba, NY)

Joseph M. Farley (Dothan, AL) 1, 2

Lasalle County (Seneca, IL) 1, 2

Limerick (Pottstown, PA) 1, 2

Los Alamos, NM

Maine Yankee (Wiscasset, ME)

Marble Hill (Jefferson County, IN) 1, 2

McGuire (Cornelius, NC) 1, 2

Midland (Midland, MI) 1, 2

Millstone (Waterford, CT) 1, 2, 3

Monticello (Monticello, MN)

MOX - Mixed Oxide Fuel (Aiken, SC)

Nine Mile Point (Scriba, NY) 1, 2

North Anna (Mineral, VA) 1, 2

Nucelar One (Russellville, AR) 1, 2

Oconee (Seneca, SC) 1, 2, 3

Oyster Creek 1 (Forked River, NJ)

Palisades (South Haven, MI)

Palo Verde (Wintersburg, AZ) 1, 2, 3

Peach Bottom (Peach Bottom, PA) 2, 3

Perry (North Perry, OH) 1, 2

Pilgrim 1 (Plymouth, MA)

Point Beach (Two Creeks, WI) 1, 2

Prairie Island (Red Wing, MN) 1, 2

Quad-Cities (Cordova, IL) 1, 2

Rancho Seco (Clay Station, CA)

River Bend (St. Francisville, LA) 1, 2

Robert E. Ginna (Ontario, NY)

Robinson 2 (Hartsville, SC)

Salem (Salem, NJ) 1, 2

San Onofre (San Clemente, CA) 1, 2, 3

Savannah River (Aiken, SC)

Seabrook (Seabrook, N.H.) 1, 2

Sequoyah (Daisy, TN) 1, 2

Shearon Harris (Newhill, NC) 1, 2

Shoreham (Brookhaven, NY)

Skagit-Hanford (Hanford, WA) 1, 2

South Texas Project (Palacios, TX) 1, 2

St. Lucie (Hutchinson Island, FL) 1, 2

Surry (Gravel Neck, VA) 1, 2

Susquehanna (Berwick, PA) 1, 2

Three Mile Island (Londonderry TWP,
PA) 1, 2

Turkey Point (Florida City, FL) 3, 4

Vermont Yankee (Vernon, VT)

Virgil C. Summer 1 (Parr, SC)

Vogtle 1 (Waynesboro, GA)

Waterford 3 (Taft, LA)

Watts Bar (Spring City, TN) 1, 2

West Valley Nuclear, NY

WNP (Richland, WA) 1, 2

Wolf Creek (Burlington, KS)

Yellow Creek (Luka, MS) 1, 2

Zimmer 1 (Moscow, OH)

Zion (Zion, IL) 1, 2



Our powerful portfolio of brands:

CADDY

ERICO

HOFFMAN

RAYCHEM

SCHROFF

TRACER

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 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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