

# D14 Mechanical Anchor for Cryogenic Applications



The nVent LENTON brand of cryogenic reinforcement splicing systems should be specified whenever cryogenic-grade reinforcing bar is used, or during normal operating or emergency conditions where the temperature falls below -20 °C (-4 °F). By combining the nVent LENTON tapered threaded couplers with state-of-the-art materials, we have developed one of the slimmest couplers on the market, while still maintaining top performance. Typical construction projects include LNG and LPG storage tanks.

## FEATURES

Replaces conventional hooked reinforcing bar

Simplifies reinforcing bar placement and lowers placing costs

Head area exceeds 10x bar area (net 9x)

Improved performance and reliability at cryogenic temperatures (-168 °C / -270 °F)

## SPECIFICATIONS

**Finish:** Plain

**Material:** Stainless Steel 431 (EN 1.4057)

Table 1/2

| Catalog Number | Rebar Size, Metric | Rebar Size, US | Rebar Size, Canada | Diameter 1 (Ø1) | Diameter 2 (Ø2) | Length 1 (L1) |
|----------------|--------------------|----------------|--------------------|-----------------|-----------------|---------------|
| EL12D14CRN     | 12 mm              | #4             | 10M                | 45 mm           |                 | 19 mm         |
| EL16D14CRN     | 16 mm              | #5             | 15M                | 55 mm           |                 | 24 mm         |
| EL28D14CRN     | 28 mm              | #9             | 30M                | 95 mm           | 80 mm           | 42 mm         |
| EL20D14CRN     | 20 mm              | #6             | 20M                | 65 mm           |                 | 35 mm         |

| CatalogNumber | Rebar Size, Metric | Rebar Size, US | Rebar Size, Canada | Diameter 1(Ø1) | Diameter 2(Ø2) | Length 1 (L1) |
|---------------|--------------------|----------------|--------------------|----------------|----------------|---------------|
| EL32D14CRN    | 32 mm              | #10            |                    | 105 mm         | 80 mm          | 46 mm         |
| EL25D14CRN    | 25 mm              | #8             | 25M                | 80 mm          |                | 40 mm         |

Table 2/2

| Catalog Number | Length 2 (L2) | Unit Weight |
|----------------|---------------|-------------|
| EL12D14CRN     |               | 0.21 kg     |
| EL16D14CRN     |               | 0.46 kg     |
| EL28D14CRN     | 20 mm         | 2.08 kg     |
| EL20D14CRN     |               | 0.81 kg     |
| EL32D14CRN     | 25 mm         | 2.33 kg     |
| EL25D14CRN     |               | 1.57 kg     |

**Designed to Meet:** ACI 318;AS3600;ASTM A970;EN 14620-3

## ADDITIONAL PRODUCT DETAILS

Bar dimensions and weights listed may vary by region. Coupler sizes not shown may be available by special order. Contact your nVent LENTON representative for more information.

Thread does not need to be flush with end of nVent LENTON Terminator. Thread may be +/- 2 threads from backside of coupler.

## DIAGRAMS



## 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 [www.nvent.com](http://www.nvent.com) 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 death and/or void your warranty.

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