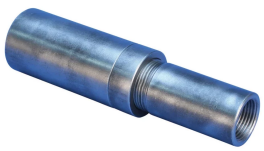
We connect and protect

# P14 Position Coupler 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 taper-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

- Designed to splice the same diameter bars
- Designed to splice two curved, bent or straight bars, when neither bar can be rotated and where the ongoing bar is free to move in its axial direction
- 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 (Ø) | Length 1 (L1) | Length 2 (L2) |
|---|---|---|---|---|---|---|
| EL12P14LCRN | 12 mm | #4 | 10M | 25 mm | 98 mm | 103 mm |
| EL16P14LCRN | 16 mm | #5 | 15M | 30 mm | 112 mm | 117 mm |
| EL20P14LCRN | 20 mm | #6 | 20M | 35 mm | 152 mm | 161 mm |
| EL25P14LCRN | 25 mm | #8 | 25M | 45 mm | 169 mm | 178 mm |

| CatalogNumber | Rebar Size, Metric | Rebar Size, US | Rebar Size, Canada | Diameter (Ø) | Length 1 (L1) | Length 2 (L2) |
|---|---|---|---|---|---|---|
| EL28P14LCRN | 28 mm | #9 | 30M | 50 mm | 175 mm | 184 mm |
| EL32P14LCRN | 32 mm | #10 | | 60 mm | 192 mm | 201 mm |

Table 2/2

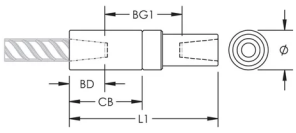
| Catalog Number | Bar Depth (BD) | Bar Gap 1 (BG1) | Bar Gap 2 (BG2) | Coupler Body (CB) | Unit Weight |
|---|---|---|---|---|---|
| EL12P14LCRN | 19mm | 60mm | 65mm | 46mm | 0.12 kg |
| EL16P14LCRN | 24mm | 64mm | 69mm | 54mm | 0.18 kg |
| EL20P14LCRN | 35mm | 82mm | 91mm | 76mm | 0.33 kg |
| EL25P14LCRN | 40mm | 89mm | 98mm | 86mm | 0.62 kg |
| EL28P14LCRN | 42mm | 91mm | 100mm | 90mm | 0.81 kg |
| EL32P14LCRN | 45mm | 102mm | 111mm | 96mm | 1.34 kg |

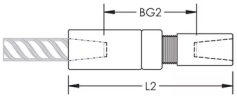
**Designed to Meet:** ACI 318 Type 1 (125% Specified Yield);ACI 318 Type 2 (Specified Tensile);AS3600;BS EN 1992-1-1;DIN EN 1992-1-1;EN 14620-3;Eurocode 2

## 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.

## 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 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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