

# P13 Position Coupler, Plain, European Design



The European Design Version (Suffix EE) is currently being phased out. All future projects should be designed with the Worldwide Design Version (Suffixes N and LN). This change is being done in order to simplify our product offering and eliminate redundant designs. Please contact Customer Care or your local Sales Engineer/Manager if you require more information on this transition.

## CERTIFICATIONS



## 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 NOT free to move in its axial direction

Adjustability in the female end of the coupler allows the coupler to extend out to meet the taper-threaded reinforcing bar

## SPECIFICATIONS

**Design Version:** European (Specialty Materials)

**Finish:** Plain

**Material:** Steel

Table 1/3

| Catalog Number | Article Number | Coupler Adjustment | Rebar Size, Metric | Rebar Size, US | Rebar Size, Canada | Hex Width (W) |
|----------------|----------------|--------------------|--------------------|----------------|--------------------|---------------|
| EL10P13EE      | 150180         | Standard           | 10 mm              | #3             |                    | 22 mm         |
| EL12P13EE      | 150190         | Standard           | 12 mm              | #4             | 10M                | 22 mm         |

| CatalogNumber | Article Number | Coupler Adjustment | Rebar Size, Metric | Rebar Size, US | Rebar Size, Canada | Hex Width (W) |
|---------------|----------------|--------------------|--------------------|----------------|--------------------|---------------|
| EL14P13EE     | 150200         | Standard           | 14 mm              |                |                    | 27 mm         |
| EL16P13EE     | 150210         | Standard           | 16 mm              | #5             | 15M                | 27 mm         |
| EL18P13EE     | 150220         | Standard           | 18 mm              |                |                    |               |
| EL20P13X35EE  | 145415         | Reduced            | 20 mm              | #6             | 20M                |               |
| EL20P13EE     | 150230         | Standard           | 20 mm              | #6             | 20M                |               |
| EL32P13X120EE | 151875         | Extended           | 32 mm              | #10            |                    |               |
| EL25P13X35EE  | 145420         | Reduced            | 25 mm              | #8             | 25M                |               |
| EL22P13EE     | 150240         | Standard           | 22 mm              | #7             |                    |               |
| EL25P13EE     | 150250         | Standard           | 25 mm              | #8             | 25M                |               |
| EL28P13EE     | 150260         | Standard           | 28 mm              | #9             | 30M                |               |
| EL32P13EE     | 150280         | Standard           | 32 mm              | #10            |                    |               |
| EL32P13X35EE  | 145430         | Reduced            | 32 mm              | #10            |                    |               |
| EL30P13EE     | 150270         | Standard           | 30 mm              |                |                    |               |
| EL34P13EE     | 150290         | Standard           | 34 mm              |                |                    |               |
| EL36P13EE     | 150300         | Standard           | 36 mm              | #11            | 35M                |               |
| EL50P13X45EE  | 150335         | Reduced            | 50 mm              |                |                    |               |
| EL38P13EE     | 150310         | Standard           | 38 mm              | #12            |                    |               |
| EL40P13EE     | 150320         | Standard           | 40 mm              |                |                    |               |

| CatalogNumber | Article Number | Coupler Adjustment | Rebar Size, Metric | Rebar Size, US | Rebar Size, Canada | Hex Width (W) |
|---------------|----------------|--------------------|--------------------|----------------|--------------------|---------------|
| EL40P13X35EE  | 145440         | Reduced            | 40 mm              |                |                    |               |
| EL43P13EE     | 150330         | Standard           | 43 mm              | #14            | 45M                |               |
| EL50P13EE     | 150340         | Standard           | 50 mm              |                |                    |               |

Table 2/3

| Catalog Number | Article Number | Diameter (Ø) | Length 1 (L1) | Length 2 (L2) | Bar Depth (BD) | Bar Gap 1 (BG1) |
|----------------|----------------|--------------|---------------|---------------|----------------|-----------------|
| EL10P13EE      | 150180         |              | 116 mm        | 159 mm        | 18mm           | 80mm            |
| EL12P13EE      | 150190         |              | 119 mm        | 162 mm        | 18mm           | 83mm            |
| EL14P13EE      | 150200         |              | 125 mm        | 168 mm        | 21mm           | 83mm            |
| EL16P13EE      | 150210         |              | 136 mm        | 181 mm        | 24mm           | 88mm            |
| EL18P13EE      | 150220         | 33 mm        | 146 mm        | 191 mm        | 29mm           | 88mm            |
| EL20P13X35EE   | 145415         | 33 mm        | 158 mm        | 193 mm        | 36mm           | 86mm            |
| EL20P13EE      | 150230         | 33 mm        | 175 mm        | 228 mm        | 36mm           | 103mm           |
| EL32P13X120EE  | 151875         | 52 mm        | 277 mm        | 394 mm        | 46mm           | 185mm           |
| EL25P13X35EE   | 145420         | 41 mm        | 171 mm        | 206 mm        | 41mm           | 89mm            |
| EL22P13EE      | 150240         | 41 mm        | 182 mm        | 240 mm        | 38mm           | 106mm           |
| EL25P13EE      | 150250         | 41 mm        | 195 mm        | 255 mm        | 41mm           | 113mm           |
| EL28P13EE      | 150260         | 46 mm        | 207 mm        | 272 mm        | 43mm           | 121mm           |
| EL32P13EE      | 150280         | 52 mm        | 223 mm        | 288 mm        | 46mm           | 131mm           |

| CatalogNumber | Article Number | Diameter (Ø) | Length 1 (L1) | Length 2 (L2) | Bar Depth (BD) | Bar Gap 1 (BG1) |
|---------------|----------------|--------------|---------------|---------------|----------------|-----------------|
| EL32P13X35EE  | 145430         | 52 mm        | 194 mm        | 229 mm        | 46mm           | 102mm           |
| EL30P13EE     | 150270         | 52 mm        | 227 mm        | 292 mm        | 53mm           | 121mm           |
| EL34P13EE     | 150290         | 52 mm        | 243 mm        | 308 mm        | 56mm           | 131mm           |
| EL36P13EE     | 150300         | 58 mm        | 243 mm        | 316 mm        | 53mm           | 137mm           |
| EL50P13X45EE  | 150335         | 80 mm        | 272 mm        | 313 mm        | 71mm           | 130mm           |
| EL38P13EE     | 150310         | 64 mm        | 255 mm        | 335 mm        | 54mm           | 147mm           |
| EL40P13EE     | 150320         | 64 mm        | 270 mm        | 351 mm        | 58mm           | 154mm           |
| EL40P13X35EE  | 145440         | 64 mm        | 225 mm        | 260 mm        | 58mm           | 109mm           |
| EL43P13EE     | 150330         | 75 mm        | 294 mm        | 374 mm        | 68mm           | 158mm           |
| EL50P13EE     | 150340         | 80 mm        | 325 mm        | 418 mm        | 71mm           | 183mm           |

Table 3/3

| Catalog Number | Article Number | Bar Gap 2 (BG2) | Coupler Body (CB) | Certifications    |
|----------------|----------------|-----------------|-------------------|-------------------|
| EL10P13EE      | 150180         | 123mm           | 74mm              | AFCAB, DIBt       |
| EL12P13EE      | 150190         | 126mm           | 77mm              | AFCAB, DIBt, KOMO |
| EL14P13EE      | 150200         | 126mm           | 80mm              | DIBt, AFCAB, KOMO |
| EL16P13EE      | 150210         | 133mm           | 88mm              | AFCAB, DIBt, KOMO |
| EL18P13EE      | 150220         | 133mm           | 93mm              |                   |
| EL20P13X35EE   | 145415         | 121mm           | 95mm              |                   |
| EL20P13EE      | 150230         | 156mm           | 112mm             | DIBt, AFCAB, KOMO |

| Catalog Number | Article Number | Bar Gap 2 (BG2) | Coupler Body (CB) | Certifications    |
|----------------|----------------|-----------------|-------------------|-------------------|
| EL32P13X120EE  | 151875         | 24mm            | 199mm             |                   |
| EL25P13X35EE   | 145420         | 124mm           | 103mm             |                   |
| EL22P13EE      | 150240         | 164mm           | 116mm             |                   |
| EL25P13EE      | 150250         | 173mm           | 127mm             | AFCAB, KOMO, DIBt |
| EL28P13EE      | 150260         | 186mm           | 137mm             | KOMO, DIBt        |
| EL32P13EE      | 150280         | 196mm           | 144mm             | AFCAB, DIBt, KOMO |
| EL32P13X35EE   | 145430         | 137mm           | 115mm             |                   |
| EL30P13EE      | 150270         | 186mm           | 147mm             |                   |
| EL34P13EE      | 150290         | 196mm           | 154mm             |                   |
| EL36P13EE      | 150300         | 210mm           | 158mm             |                   |
| EL50P13X45EE   | 150335         | 53mm            | 162mm             |                   |
| EL38P13EE      | 150310         | 227mm           | 168mm             |                   |
| EL40P13EE      | 150320         | 235mm           | 179mm             | AFCAB, KOMO, DIBt |
| EL40P13X35EE   | 145440         | 144mm           | 134mm             |                   |
| EL43P13EE      | 150330         | 238mm           | 187mm             |                   |
| EL50P13EE      | 150340         | 276mm           | 214mm             |                   |

**Designed to Meet:**

AASHTO;ABNT NBR 8548:1984;ACI 318 Type 1 (125% Specified Yield);ACI 318 Type 2 (Specified Tensile);ACI 349;ACI 359;AS3600

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.

Suffix "EE" has been added to some part numbers to clarify design version among regions.

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.

North America

+1.800.753.9221  
Option 1 – Customer Care  
Option 2 – Technical  
Support

Europe

Netherlands:  
+31 800-0200135  
France:  
+33 800 901 793

Europe

Germany:  
800 1890272  
Other Countries:  
+31 13 5835404

APAC

Shanghai:  
+ 86 21 2412 1618/19  
Sydney:  
+61 2 9751 8500



Our powerful portfolio of brands:

CADDY   ERICO   HOFFMAN   ILSCO   SCHROFF   TRACHTE