

# C12 Weldable Half Coupler



## CERTIFICATIONS



## FEATURES

Designed for connecting reinforcing bar perpendicular to structural steel sections or plates

Internally taper threaded on one end, with the other end prepared for welding

Machined from weldable grades of steel

## SPECIFICATIONS

**Finish:** Plain

**Material:** Steel

Table 1/2

| Catalog Number | Article Number | Rebar Size, Metric | Rebar Size, US | Rebar Size, Canada | Diameter 1 (Ø1) | Diameter 2 (Ø2) |
|----------------|----------------|--------------------|----------------|--------------------|-----------------|-----------------|
| EL12C12EE      | 151090         | 12 mm              | #4             | 10M                | 20 mm           | 12 mm           |
| EL10C12EE      | 151080         | 10 mm              | #3             |                    | 20 mm           | 12 mm           |
| EL14C12EE      | 151100         | 14 mm              |                |                    | 25 mm           | 13 mm           |

| CatalogNumber | Article Number | Rebar Size, Metric | Rebar Size, US | Rebar Size, Canada | Diameter 1(Ø1) | Diameter 2(Ø2) |
|---------------|----------------|--------------------|----------------|--------------------|----------------|----------------|
| EL16C12EE     | 151110         | 16 mm              | #5             | 15M                | 25 mm          | 15 mm          |
| EL18C12EE     | 151120         | 18 mm              |                |                    | 30 mm          | 16 mm          |
| EL20C12EE     | 151130         | 20 mm              | #6             | 20M                | 30 mm          | 17 mm          |
| EL28C12EE     | 151160         | 28 mm              | #9             | 30M                | 40 mm          | 24 mm          |
| EL25C12EE     | 151150         | 25 mm              | #8             | 25M                | 40 mm          | 21 mm          |
| EL22C12EE     | 151140         | 22 mm              | #7             |                    | 40 mm          | 18 mm          |
| EL32C12EE     | 151180         | 32 mm              | #10            |                    | 50 mm          | 28 mm          |
| EL30C12EE     | 151170         | 30 mm              |                |                    | 50 mm          | 24 mm          |
| EL34C12EE     | 151190         | 34 mm              |                |                    | 50 mm          | 28 mm          |
| EL36C12EE     | 151200         | 36 mm              | #11            | 35M                | 60 mm          | 31 mm          |
| EL38C12EE     | 151210         | 38 mm              | #12            |                    | 60 mm          | 33 mm          |
| EL40C12EE     | 151220         | 40 mm              |                |                    | 60 mm          | 34 mm          |
| EL43TC12EE    | 151230         | 43 mm              | #14            | 45M                | 75 mm          | 36 mm          |
| EL50TC12EE    | 151240         | 50 mm              |                |                    | 75 mm          | 43 mm          |

Table 2/2

| Catalog Number | Article Number | Length (L) | Bar Depth (BD) | Unit Weight | Certifications |
|----------------|----------------|------------|----------------|-------------|----------------|
| EL12C12EE      | 151090         | 30mm       | 18mm           | 0.05 kg     | AFCAB, DIBt    |
| EL10C12EE      | 151080         | 30mm       | 18mm           | 0.06 kg     | AFCAB, DIBt    |
| EL14C12EE      | 151100         | 35mm       | 21mm           | 0.09 kg     | AFCAB, DIBt    |

| Catalog Number | Article Number | Length (L) | Bar Depth (BD) | Unit Weight | Certifications |
|----------------|----------------|------------|----------------|-------------|----------------|
| EL16C12EE      | 151110         | 40mm       | 24mm           | 0.09 kg     | DIBt, AFCAB    |
| EL18C12EE      | 151120         | 45mm       | 29mm           | 0.16 kg     |                |
| EL20C12EE      | 151130         | 50mm       | 36mm           | 0.17 kg     | DIBt, AFCAB    |
| EL28C12EE      | 151160         | 55mm       | 43mm           | 0.29 kg     | DIBt           |
| EL25C12EE      | 151150         | 55mm       | 41mm           | 0.32 kg     | DIBt, AFCAB    |
| EL22C12EE      | 151140         | 55mm       | 38mm           | 0.35 kg     |                |
| EL32C12EE      | 151180         | 60mm       | 46mm           | 0.52 kg     | DIBt, AFCAB    |
| EL30C12EE      | 151170         | 65mm       | 53mm           | 0.6 kg      |                |
| EL34C12EE      | 151190         | 70mm       | 56mm           | 0.6 kg      |                |
| EL36C12EE      | 151200         | 65mm       | 53mm           | 0.83 kg     |                |
| EL38C12EE      | 151210         | 70mm       | 54mm           | 0.89 kg     |                |
| EL40C12EE      | 151220         | 75mm       | 58mm           | 0.92 kg     | AFCAB, DIBt    |
| EL43TC12EE     | 151230         | 85mm       | 68mm           | 1.26 kg     |                |
| EL50TC12EE     | 151240         | 90mm       | 71mm           | 1.73 kg     |                |

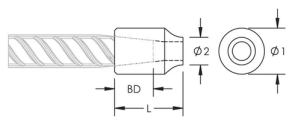
## ADDITIONAL PRODUCT DETAILS

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.

The design of the weld, the selection of electrode, and other relevant choices depend on the chemical and physical properties of the structural steel to which the couplers are welded. Engineers who design assemblies should adhere to all appropriate regulations.

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.

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