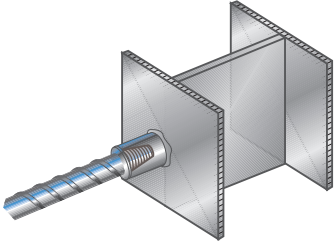


# nVent LENTON Weldable Couplers



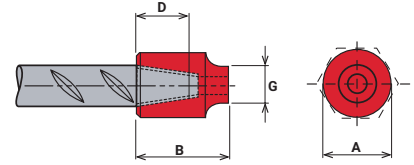
Weldable couplers provide a quick and easy solution for connecting reinforcing bar to structural steel sections or plates. Similar to the standard coupler, the weldable coupler is internally taper threaded on one end, with the other end prepared for welding.

These couplers are machined from weldable grades of material such as A.I.S.I. 1018, 1030, 1035 or St 52.5, depending on rebar size. The couplers are usually arc welded to the structural steel in a fabricating shop. 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.

- A** = coupler diameter
- B** = length of coupler body
- D** = bar engagement
- G** = small diameter

Meets international standards, including BS EN 1992-1-1, DIN EN 1992-1-1, NFA-35-020, and ACI®318.

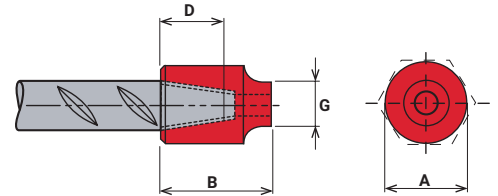


## WELDABLE COUPLERS - C12

STANDARD IN EUROPE, THE MIDDLE EAST, AFRICA, ASIA AND AUSTRALIA

| Rebar Size Designation mm | Part No. | Art. No. | "A" mm | "B" mm | "D" mm | "G" mm | Weight kg |
|---------------------------|----------|----------|--------|--------|--------|--------|-----------|
| 10                        | EL10C12  | 151080   | 20     | 30     | 18     | 12     | 0.06      |
| 12                        | EL12C12  | 151090   | 20     | 30     | 19     | 12     | 0.05      |
| 14                        | EL14C12  | 151100   | 25     | 35     | 21     | 13     | 0.09      |
| 16                        | EL16C12  | 151110   | 25     | 40     | 24     | 15     | 0.09      |
| 18                        | EL18C12  | 151120   | 30     | 45     | 29     | 16     | 0.16      |
| 20                        | EL20C12  | 151130   | 30     | 50     | 35     | 17     | 0.17      |
| 22                        | EL22C12  | 151140   | 40     | 55     | 37     | 18     | 0.35      |
| 25                        | EL25C12  | 151150   | 40     | 55     | 40     | 21     | 0.32      |
| 28                        | EL28C12  | 151160   | 40     | 55     | 42     | 24     | 0.29      |
| 30                        | EL30C12  | 151170   | 50     | 65     | 52     | 24     | 0.60      |
| 32                        | EL32C12  | 151180   | 50     | 60     | 45     | 28     | 0.52      |
| 34                        | EL34C12  | 151190   | 50     | 70     | 55     | 28     | 0.60      |
| 36                        | EL36C12  | 151200   | 60     | 65     | 52     | 31     | 0.83      |
| 38                        | EL38C12  | 151210   | 60     | 70     | 53     | 33     | 0.89      |
| 40                        | EL40C12  | 151220   | 60     | 75     | 57     | 34     | 0.92      |
| 43                        | EL43TC12 | 151230   | 75     | 85     | 66     | 36     | 1.26      |
| 50                        | EL50TC12 | 151240   | 75     | 90     | 70     | 43     | 1.73      |
| 57                        | EL57TC12 | 151250   | 90     | 100    | 83     | 47     | 2.76      |

Meets BS EN 1992-1-1, IBC®, AS3600, and ACI318



## WELDABLE COUPLERS - C2/C3J

STANDARD IN THE AMERICAS AND ASIA

| Rebar Size Designation |        |          |             | "A"      | "B"     | "D" | "G"     | Weight |         |    |         |    |     |      |
|------------------------|--------|----------|-------------|----------|---------|-----|---------|--------|---------|----|---------|----|-----|------|
| Inch                   | Metric | Canadian | Soft Metric | Part No. | in      | mm  | in      | mm     | in      | mm | in      | mm | lb  | kg   |
| 4                      | 12 mm  | 10M      | 13          | EL12C2   | 3/4     | 19  | 1-3/16  | 30     | 9/16    | 14 | 7/16    | 11 | 0.1 | 0.05 |
| 5                      | 16 mm  | 15M      | 16          | EL16C2   | 1       | 25  | 1-3/8   | 35     | 7/8     | 22 | 9/16    | 14 | 0.2 | 0.09 |
| 6                      | 20 mm  | 20M      | 19          | EL20C3J  | 1-1/4   | 32  | 2-5/32  | 55     | 1-1/8   | 29 | 7/8     | 22 | 0.6 | 0.27 |
| 7                      | 22 mm  | -        | 22          | EL22C3J  | 1-1/4   | 32  | 2-13/32 | 61     | 1-1/4   | 32 | 3/4     | 19 | 0.6 | 0.27 |
| 8                      | 25 mm  | 25M      | 25          | EL25C3J  | 1-9/16  | 40  | 2-17/32 | 64     | 1-3/8   | 35 | 1       | 25 | 0.9 | 0.41 |
| 9                      | 28 mm  | 30M      | 29          | EL28C3J  | 1-9/16  | 40  | 2-11/16 | 68     | 1-1/2   | 38 | 15/16   | 24 | 0.9 | 0.41 |
| 10                     | 32 mm  | -        | 32          | EL32C3J  | 2       | 51  | 2-7/8   | 73     | 1-9/16  | 40 | 15/16   | 24 | 1.6 | 0.73 |
| 11                     | 36 mm  | 35M      | 36          | EL36C3J  | 2       | 51  | 2-31/32 | 75     | 1-11/16 | 43 | 1-1/8   | 29 | 1.6 | 0.73 |
| -                      | 40 mm  | -        | -           | EL40C2   | 2-3/16  | 55  | 2-7/8   | 73     | 2-3/16  | 56 | 1-13/32 | 36 | 1.8 | 0.82 |
| 14                     | 43 mm  | 45M      | 43          | EL43TC3J | 2-3/8   | 60  | 3-3/4   | 96     | 2-3/16  | 56 | 1-13/32 | 36 | 2.9 | 1.32 |
| -                      | 50 mm  | -        | -           | EL50TC2  | 2-15/16 | 75  | 3-9/16  | 90     | 2-3/4   | 70 | 1-7/8   | 47 | 2.5 | 1.14 |
| 18                     | 57 mm  | 55M      | 57          | EL57TC3J | 3-1/8   | 80  | 4-1/2   | 114    | 2-13/16 | 71 | 1-3/4   | 44 | 5.4 | 2.45 |

Bar dimensions and weights listed may vary by region. Coupler sizes not shown on these pages are available by special order. Contact your nVent representative for more information on special sizes. Article numbers used in Europe, Middle East, Africa and Asia exclusively.

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