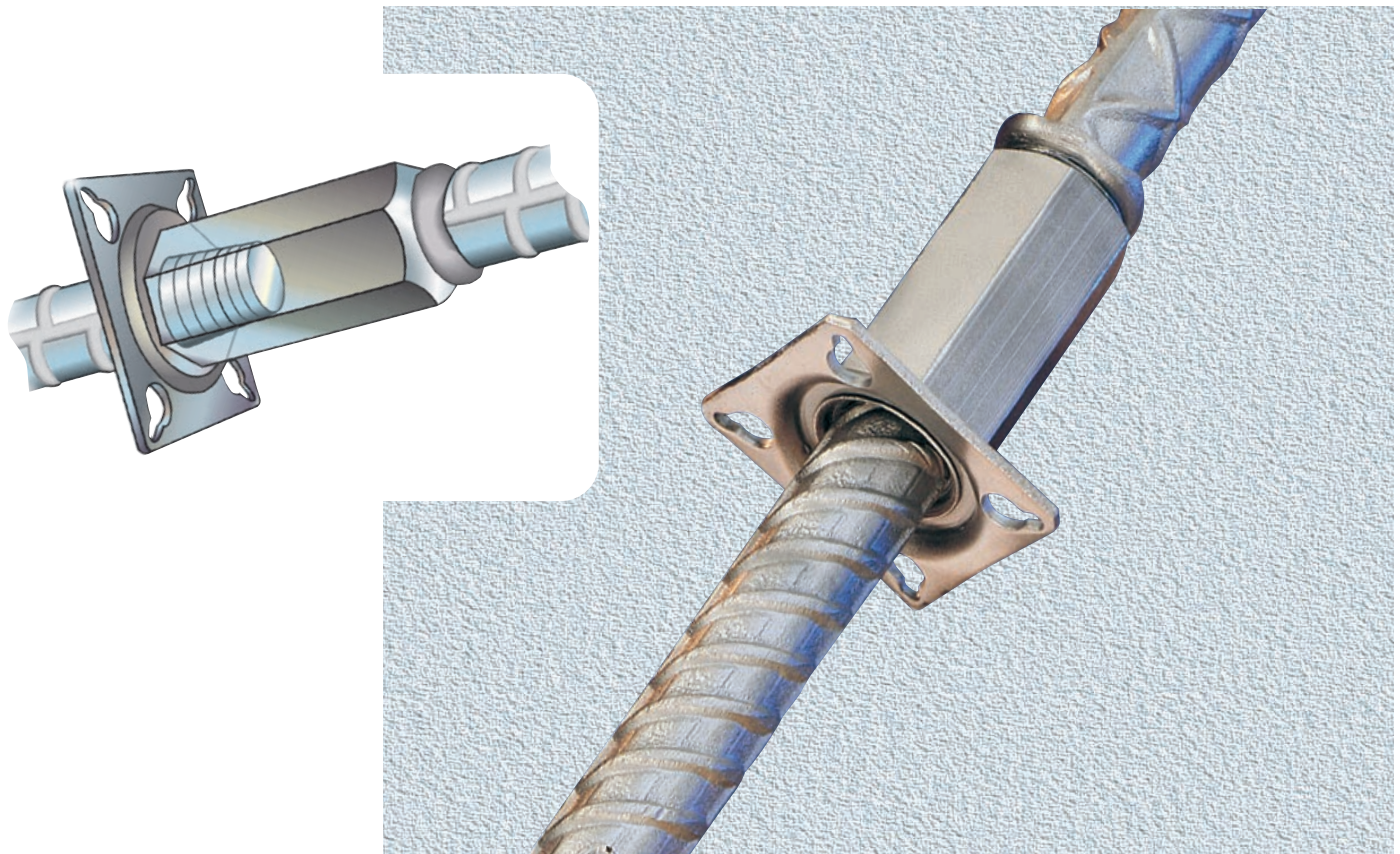


Dowel Bar Substitute



DESCRIPTION

nVent LENTON Form Saver Dowel Bar Replacements are typically specified to provide continuity and structural integrity in segmental pour applications for reinforced concrete construction. The coupler/bar assembly is furnished with an attached mounting plate.* The assembly is, in turn, nailed to the formwork. Once the form is removed, the externally threaded rebar is screwed into the exposed end of the coupler, creating a mechanical butt splice of two sections of reinforcing steel (approximately 4-½ revolutions).

SPLICE PERFORMANCE

Form Saver splices outperform dowel bars because of their ability to develop strength requirements independent of concrete cover and provide superior performance well beyond the yield strength of the reinforcing bar.

The assembled connection is capable of exceeding the ACI[®], BS, DIN, KIWA and IBC[®] (IAPMO[®]-UES Report 0129) Building Code requirements for a full-tension mechanical splice. Contact nVent for specific Department of Transportation approvals. For a copy of the IAPMO-UES Report 0129, please visit nVent.com/LENTON.

*Mounting plate standard in North America only.

TYPICAL APPLICATIONS

New Reinforced Concrete Construction:

- Segmental Pours – positioned within the form of the first pour to allow fastening prior to the second pour.
- Beam/Column Connection – a bent Form Saver is positioned in the column to structurally join the column.
- Future Extension – embedded within the concrete to structurally join the bar at a future date.

Masonry:

- Reinforced Masonry Applications – replaces lap splices in CMU

Form Saver is available in sizes #4 – #11 (Metric sizes 12 mm through 36 mm) factory standard sizes (lengths) or in custom lengths. Unique bend configurations are also available.

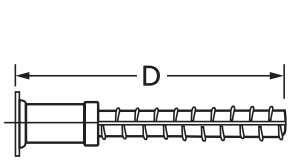


FIG. 1

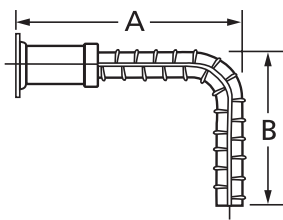


FIG. 2

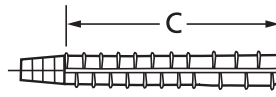


FIG. 3

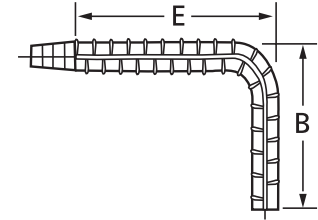


FIG. 4

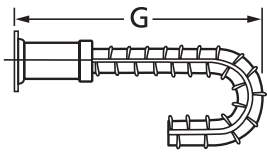


FIG. 5

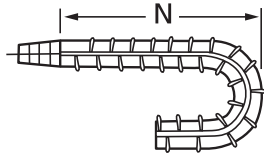


FIG. 6

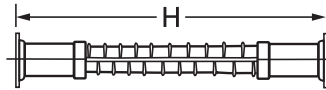


FIG. 7

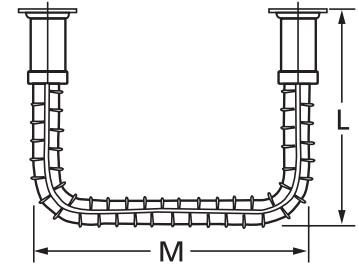


FIG. 8



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