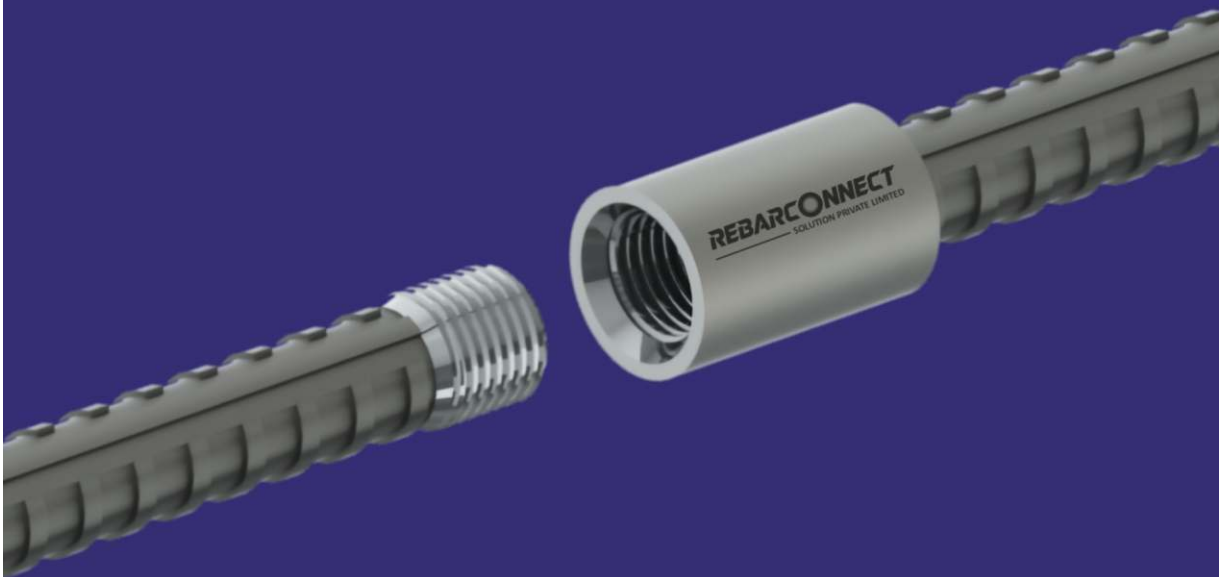


Engineered for
Unbreakable Connections



• Precision • Strength • Safety •

Product Features

Rebarconnect Solution Private Limited

Provides A Parallel-threaded Mechanical Splicing System Designed For Reliable Connection Of Concrete Reinforcing Bars Ranging From Ø12 To Ø50 Mm (astm #4 To #18)

Our couplers are engineered and manufactured in full compliance with Euro code 2 and ASME Section III, Division 2, ensuring high-performance, precision, and structural safety.

Benefits

1. No reduction in the cross-sectional area of the reinforcing bar.
2. Allows the bars to achieve full ductile elongation.
3. A systematic finishing process ensures optimal thread performance that exceeds project requirements.
4. Easy to install, with no torque wrench required.
5. A single standard coupler meets all splicing needs, including standard and positional connections.
6. Type 2 couplers are suitable for use in seismic zones.
7. Fully tested under reverse cyclic loading conditions.
8. Effectively resolves bar congestion issues.

Site Equipment



The four machines required for the **RebarConnect Solution Private Limited** rebar preparation system are engineered with high precision and reliability.

Rebar Preparation: A 3-Steps Process

Step 1. Cutting

The reinforcing bar end is sawn square to ensure proper fit and connection.



Step 2. Cold Forging

The sawn end of the reinforcing bar is enlarged using a patented cold-forging process, increasing the bar's core diameter to a predetermined size.



Step 3. Threading

The enlarged end of the rebar is threaded to the required length.



Step 4. Quality Testing

The threaded end is tested by applying tension. This test is non-destructive because the load stays within the elastic range.



Splicing Methods

Standard Splice

The standard splice allows a quick and easy connection by simply rotating the reinforcing bar until the threads are fully engaged.

Thanks to the use of a parallel-thread system:

1. There is no risk of thread mismatch.
2. There is no risk of cross-threading.



Type - A

Position Splice

Even when neither bar can be rotated, the **RebarConnect Solution Private Limited** system allows the use of the standard coupler.

First, the coupler is fully engaged onto the extended thread of the connecting bar (Step 1).

The splice is then completed by bringing both bars end-to-end and screwing the coupler back onto the first bar until full thread engagement is achieved (Step 2).



Step - 1



Step - 2

Type - B

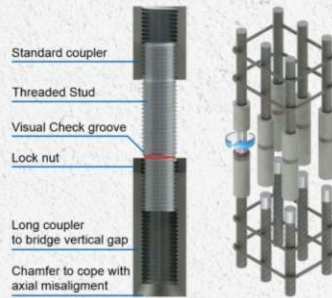


Position Type C functions similarly to Type B, but includes an additional lock-nut that securely maintains the second bar in its final position.

Caging Splice

To connect reinforcement cages that are not pre-fabricated together or bars that cannot be positioned butt-to-butt, the **RebarConnect Solution Private Limited** Caging Splice provides an effective solution.

Both bars are threaded with the standard RebarConnect thread, and the free-rotating components of the Caging Splice restore thread continuity to complete the connection.



Transition Splice

When splicing reinforcing bars of different diameters, it is generally acceptable to reduce the size of the larger bar and use a standard coupler. However, the **RebarConnect Solution Private Limited** system also provides specially designed transition couplers that eliminate the need for advance planning and simplify the transition process.



Headed Bars

Also known as "End Anchors," these components are an efficient alternative to hooked bars for providing end anchorage in congested reinforcement zones.

RebarConnect Solution Private Limited's standard anchorage heads are circular and are available with a net bearing area that is either four times or nine times the cross-sectional area of the bar.



Weldable Couplers

For composite construction where reinforcing bars must be welded to structural steel, use the weldable couplers from **RebarConnect Solution Private Limited**. These couplers are manufactured from low-carbon steel and feature a wide chamfer specifically designed for bevel welding.



Generic Specification

1. No reduction in the nominal cross-sectional area of the parent bars.
2. No compromise on the ductility of the reinforcing bars.
3. Each coupler is individually marked to ensure complete material traceability.
4. Utilizes a reliable parallel-thread system for consistent performance.

Note : The information provided in this catalogue is accurate at the time of publication. We reserve the right to make technical and design modifications at any time. **RebarConnect Solution Private Limited** is not responsible for any inaccuracies or printing errors contained in this document.

Applications



Slab Connection



Columns



Prefabricated Cages

Rebar Thread Protection Cap



Available Size

12 MM, 16 MM, 20 MM, 25 MM, 32 MM

A high-strength protective cap engineered to shield rebar threads from impact damage, deformation, dust, and corrosion. It ensures the threads remain clean and intact during storage, transportation, and on-site handling, maintaining perfect thread quality for safe and reliable splicing.

Built For **Power**,
Made For **Performance**.

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