

REINFORCING BAR COUPLERS

RMS supplies a range of mechanical reinforcing bar couplers designed to replace traditional lap splicing, ensuring full continuity of reinforcement in tension, compression, and stress-reversal applications. These systems are ideal for high-performance structures requiring strong, space-efficient connections. We proudly supply Ancon mechanical couplers, a globally trusted solution in structural reinforcement technology.

Offering

- Supply only
- Supply and installation available on request (project dependent)

Coupler Systems Offered

RMS offers a selection of Ancon coupler systems, each suited to different structural and site requirements:

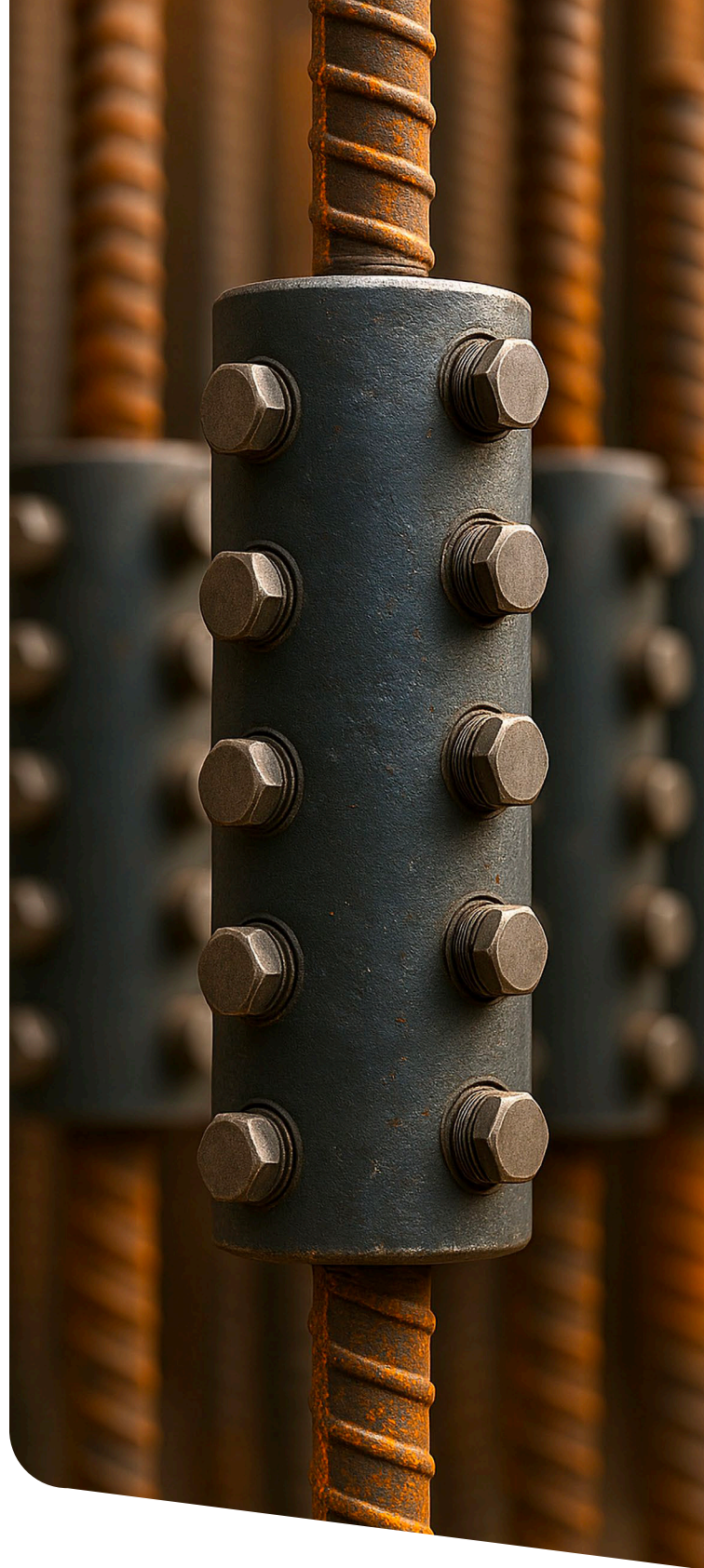
- **TTS Tapered Thread Couplers**
Compact threaded design, ideal for quick installation and reliable performance.
- **CXL Parallel Thread Couplers**
Parallel-thread system with high load capacity and fatigue resistance (commonly used in Cape Town-based projects).
- **MBT Shear Bolt Couplers**
No threading required — ideal for retrofit or congested reinforcement. Uses shear bolt technology to grip the bar mechanically.

Rebar size range: 12 mm to 32 mm

Detailed dimensions, weight, and part numbers are available upon request or in our technical datasheet.

Applications

- Reinforced concrete columns and beams
- Precast element connections
- Retrofit and extension projects
- Projects with reduced lap zones or high congestion
- Bridge, tunnel, and infrastructure works



Benefits of Mechanical Couplers

- Eliminate the need for overlapping rebar
- Reduce congestion and simplify detailing
- Enable full-strength development of the bar
- Speed up installation and reduce site waste
- Ensure code-compliant performance under tension, compression, and cyclic loading

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Join our community
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**Reinforcing &
Mesh Solutions**
CREATING SOLUTIONS TOGETHER