

LH / RH Hexagonal Tensioning Coupler

Precision-machined tensioning
coupler for threaded bar
assemblies



Stainless UK's stainless steel hexagonal LH/RH Tensioning couplers are designed to join and tension threaded bar systems where in-situ adjustment is required.

The hexagonal body provides a secure wrenching surface for easy installation and tension adjustment, making these couplers ideal for structural bracing, tie bar assemblies, suspension systems, architectural steelwork, marine applications, geotechnical installations and other applications requiring precise adjustment.

Couplers are available in a range of diameters and thread forms and can be manufactured to bespoke dimensions.

Typical Applications

- Structural tie bar systems
- Marine and offshore structures
- Cross bracing and tension rods
- Geotechnical anchoring systems
- Canopies and façade support systems
- Architectural stainless steel assemblies
- Bridge and infrastructure projects
- Industrial pipe and equipment supports



Material Grades

A2 / 304, A4 / 316, Duplex.

Benefits

The combination of left-hand and right-hand threads enables rapid adjustment without disconnecting the threaded bars. Rotating the coupler body alters the assembly length while maintaining engagement at both ends, providing an efficient method for achieving accurate alignment and tension.

Bespoke Manufacturing

Stainless UK Ltd manufactures bespoke LH/RH stainless steel couplers to suit customer-specific thread diameters, engagement lengths, material grades and project requirements. Full material certification and traceability can be supplied where required.

Technical Note

Final dimensions, thread form, material grade, engagement length and performance requirements should be confirmed at the time of order. Suitability for the intended application remains subject to the project specification and engineering design requirements.