

Ancon Building Products

n55Plus

Ancon
BUILDING PRODUCTS



Tension System 500

By Ancon Building Products

Detailed description

The Ancon 500 is a high performance tension system. It is available in various sizes from 8–42mm in both carbon and stainless steel. The Ancon 500 System, with its wide range of components can be used to create a variety of assemblies, from simple tie bars to complex bracing systems involving several bars joined at one point. Special anchor plates and discs can be manufactured to suit project requirements. Connecting plates are designed to suit particular applications. Ancon tension systems are supplied as full systems and are not available as individual components.

Ancon 500 Stainless Steel system is recommended for applications that demand corrosion resistance and a maintenance-free life, or where an attractive polished finish is required.

Features:

- The system can be extended over the maximum bar length by the inclusion of couplers or anchor discs.
- The bar used in the system has a minimum yield of 500 N/mm².
- Isolation supplied as standard with stainless steel systems.
- The fork connectors and couplers are designed to allow adjustments to be made to the system length without the need for turnbuckles.
- CE marked to ETA-06/0146.

Product guidance - As Standard

Components:

- Fork connectors and locking nuts:

- Fork connectors are supplied with a locking nut. Forks and their locking nuts have left or right hand threads, and are supplied complete with a pin.
- Each stainless steel fork is supplied with two clear, self-adhesive, PET (polyester) washers to isolate the system from a connecting plate of a dissimilar metal.

- Pins:

- Two-part locking construction and once installed are flush with the fork.
- Stainless steel pins are supplied with a PTFE coating around the barrel to isolate the system from a connecting plate of a dissimilar metal.

- Tie bars:

- Tie bars have a right-hand thread at one end and a left-hand thread at the other.
- Flats are pressed into the bar close to each end to allow the bar to be screwed into the fork connectors.
- Carbon steel bars are available either untreated with the electrodeposited zinc coating Fe//Zn12//A to EN 12329 or are hot-dip galvanized to EN 1461.
- Stainless steel bars are bright drawn as standard or hand polished when required.

- Couplers:

- Couplers have right and left hand threads and are used in applications where more than one bar is required between forks.
- Supplied with locking nuts for each end of the coupler.
- Couplers are machined from bar and can have the provision for a hanger to be fitted to limit the deflection of bars of 16 mm diameter or greater.

- Anchor discs:

- Allow up to eight bars to be connected together.
- Can be used at the centre of conventional cross-bracing, or where several bars need to be connected at one point.
- Machined from plate and can be supplied with a surface finish to match the system.

Options

Product reference:

- CS/1:

- Carbon steel.
- Bar finish: Untreated.
- Fork and nut: Zinc plated.
- Coupler: Zinc plated.
- Disc: Untreated.

- CS/2:

- Carbon steel.
- Bar finish: Zinc plated.
- Fork and nut: Zinc plated.
- Coupler: Zinc plated.
- Disc: Zinc plated.

- CS/3:

- Carbon steel.
- Bar finish: Hot-dip galvanized.
- Fork and nut: Zinc plated.
- Coupler: Zinc plated.
- Disc: Hot-dip galvanized.

- SS/4:

- Stainless steel.
- Bar finish: Bright drawn.
- Fork and nut: Electro-polished.
- Coupler: Machined.
- Disc: Machined.

- SS/5:

- Stainless steel.
- Bar finish: Bright drawn.
- Fork and nut: Satin polished.
- Coupler: Satin polished.
- Disc: Satin polished.

- SS/6:

- Stainless steel.
- Bar finish: Hand polished.
- Fork and nut: Hand polished.
- Coupler: Hand polished.
- Disc: Hand polished.

Product specification

Manufacturer

- Name: Ancon Building Products
- Web: www.ancon.co.uk
- Email: info@ancon.co.uk
- Tel: +44 (0)114 275 5224
- Fax: +44 (0)114 276 8543
- Address: President Way,President Park,Sheffield,South Yorkshire S4 7UR

Product reference

CS/1 500 Tension System - Carbon steel.
CS/2 500 Tension System - Carbon steel.
CS/3 500 Tension System - Carbon steel.
SS/4 500 Tension System - Stainless steel.
SS/5 500 Tension System - Stainless steel.
SS/6 500 Tension System - Stainless steel.

Bar diameter

- 8mm
- 10mm
- 12mm
- 16mm
- 20mm
- 24mm
- 30mm
- 36mm
- 42mm

System length mm - System lengths are measured between the centres of the pins in the forks.