

# DETAN TENSION ROD SYSTEM

## Introduction

### The DETAN Tension Rod System

The DETAN Tension Rod System is an aesthetically pleasing method of providing bracing, structural support or simply an architectural feature. The DETAN system is manufactured from both carbon steel and stainless steel in a variety of sizes.

Adjustment for length is hidden within the system and is provided without the use of turnbuckles or unsightly exposed threads.

The manufacture of every component in the DETAN system is continually monitored and fulfills the requirements of the HALFEN-DEHA Quality Management System, certified according to ISO 9001. The DETAN System has been type approved by the Inspection Board for Building Engineering LGA, Bavaria, Germany.

#### Product features:

- Easily adjustable for length
- Available in carbon steel and stainless steel
- Variety of standard finishes
- Sealed threads for corrosion protection available (optional)
- System diameters from 6 to 95 mm (stainless steel up to 30 mm)
- Load capacity up to 2623kN
- Independently approved



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#### DETAN Carbon Steel System

Available in nineteen diameters the DETAN System is supplied in two carbon steel strengths:

System diam. 6-12 mm = 355 N/mm<sup>2</sup>

System diam. 16-95 mm = 460 N/mm<sup>2</sup>.

By using high grade steels the DETAN System is able to provide superior performance and economy while saving material and weight.

Product range, allowable loads and dimensions see pages 6 to 9.

Standard finishes for DETAN-S460 are:

Rods & Anchor discs

- Hot Dip Galvanised

Fork ends & Lock nuts

- Dacromet

(For painting, rods are available mill-finish, but these must be used with hot dip galvanised discs and Dacromet fork ends and lock nuts)



#### Stainless Steel System DETAN-E

DETAN Tension Rod Systems in stainless steel are typically used in applications, where a high resistance to corrosion is necessary, or where an architectural finish is preferred.

Stainless steel tension rods are available up to six metres long in nine diameters ranging from 6 mm to 30 mm. As with the carbon steel system, couplers and anchor discs may be used to extend the system when long spans are required.

Product range, load capacities and dimensions are detailed on pages 8 & 9.

For all components of the stainless steel system the following finishes are available:

- polished (satin), order code **p**

- hand polished (glossy), order code **hp**

The load capacity of the **DETAN** system is shown on page 6.

