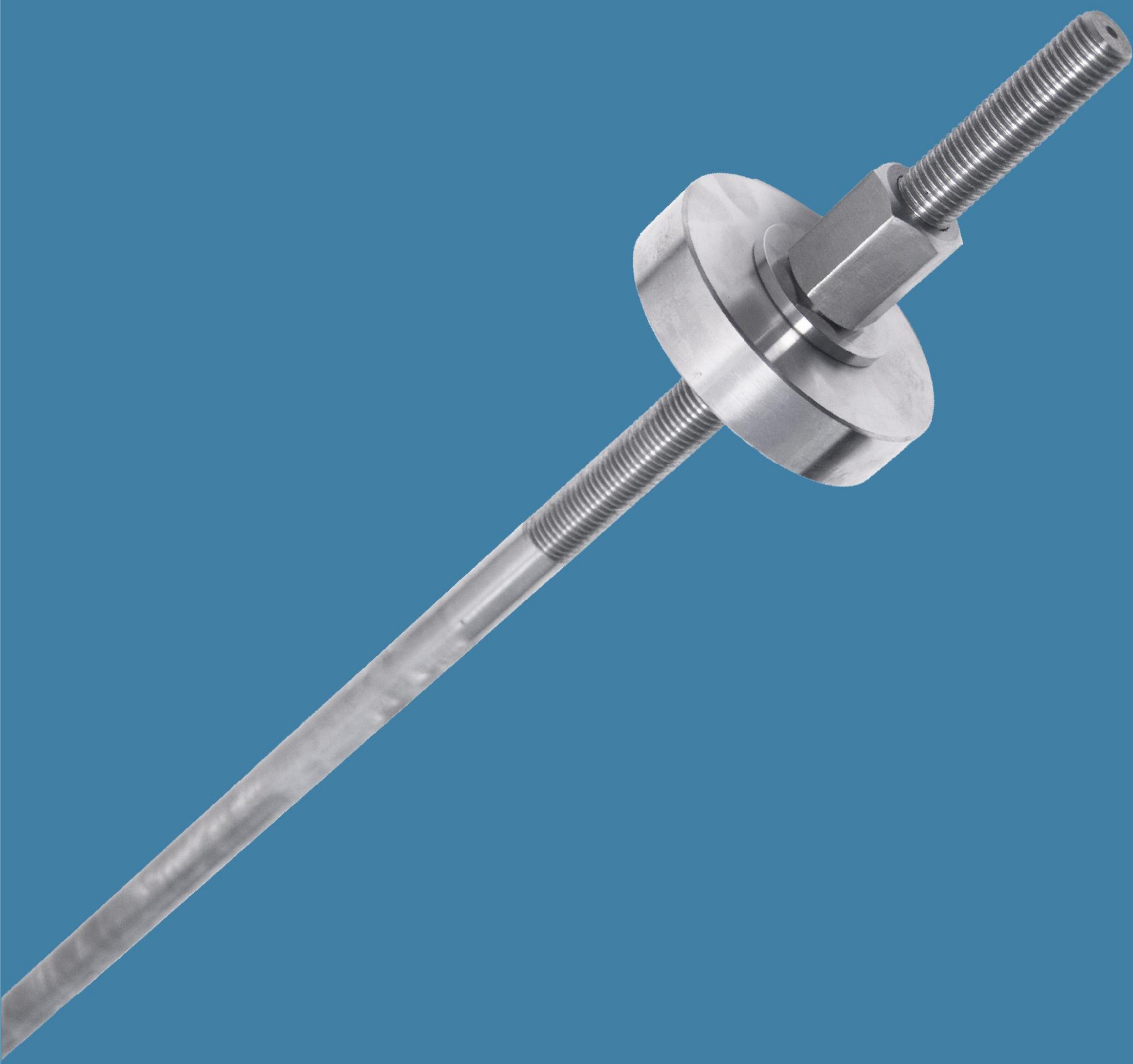


STAINLESS STEEL POST-TENSIONING SYSTEM



FUSTEEL X[®] S.S. POST-TENSIONING SYSTEM

Benefits:

- *Excellent fatigue resistance*
- *Corrosion resistance for longevity*
- *High strength exceeding 1030MPa*

The FUSTEEL X[®] stainless steel post-tensioning system is engineered from heat-treated 17-4PH stainless steel, ensuring exceptional strength exceeding 1030MPa.

Renowned for its resilience and longevity, FUSTEEL X[®] stainless steel post-tensioning system offer numerous advantages:

Corrosion Resistance

17-4PH stainless steel's inherent corrosion resistance ensures longevity in various environments, including those with high moisture or chemical exposure.

High Strength

The heat-treated 17-4PH stainless steel composition endows the post-tensioning system with remarkable strength, exceeding 1030MPa, ensuring structural integrity and reliability.

Fatigue Resistance

17-4PH stainless steel's superior fatigue properties make it ideal for applications subjected to dynamic loads and prolonged stress, minimizing the risk of structural failure over time.

Dimensional Stability

17-4PH stainless steel maintains its shape and structural integrity under various temperature fluctuations, ensuring consistent performance over the long term.

Versatility

Available in diameters ranging from 20 to 75mm and lengths of up to 6m, with options for longer lengths achieved through coupler-assisted extensions, FUSTEEL X[®] stainless steel post-tensioning system cater to diverse project requirements.

Ease of Installation

Coupler-assisted extensions facilitate seamless integration and assembly, streamlining the installation process and reducing construction time.

Customization

Custom sizes are available upon request, ensuring that the post-tensioning system meet the specific needs and specifications of each project.

With FUSTEEL X[®] 17-4PH stainless steel post-tensioning system, you can trust in its durability, performance, and longevity, making it the preferred choice for a wide range of structural applications.

| Nominal diameter (mm) | Nominal cross sectional area (mm ²) | S1030 Mass (kg/m) | Major diameter of threads (mm) | Minimum hole diameter in Steelwork (mm) |
|-----------------------|---|-------------------|--------------------------------|---|
| 20 | 315 | 2.46 | 22.0 | 24 |
| 25 | 491 | 3.83 | 28.9 | 31 |
| 26.5 | 552 | 4.31 | 30.4 | 33 |
| 32 | 804 | 6.27 | 36.2 | 40 |
| 36 | 1018 | 7.94 | 40.2 | 44 |
| 40 | 1257 | 9.80 | 45.3 | 49 |
| 50 | 1963 | 15.31 | 54.8 | 59 |
| 75 | 4185 | 32.64 | 77.2 | 82 |

| Grade | Charadteristic ultimate tensile strength (N/mm ²) | Minimum 0.1% proof stress (N/mm ²) | Minimum elongation (%) | Approximate modulus of elasticity (kN/mm ²) |
|------------------------------|---|--|------------------------|---|
| FUSTEEL X [®] S1030 | 1030 | 835 | 10 | 185 |