Quality & Certification

Our fully integrated steel works at Port Talbot and IJmuiden ensure the quality and traceability of our products are guaranteed through the whole supply chain. This gives us the advantage of consistency in coil and ensures that every tube is produced using fully-killed steel – a key ingredient for high quality tubes.

Traceability is becoming more and more important and Tata Steel are at the forefront ensuring the best quality and most efficient tube for the required application.

Tata Steel are approved and have the following certification for our structural hollow section products:

- ISO 9001
- ISO 14001
- OHSAS 18001
- Construction Product Regulation (CPR) with CE Marking
- Declaration of Performance (DOP)
- Factory Production Control (FPC)
- BES 6001
- Environmental Product Declaration (EPD)
- Factory Production Control (FPC)
- BES 6001
- Environmental Product Declaration (EPD)
- Construction Product Regulation (CPR) with CE Marking
- Declaration of Performance (DOP)
- Factory Production Control (FPC)
- BES 6001
- Environmental Product Declaration (EPD)

For more in depth detail visit www.tatasteeleurope.com/certification.

Sustainability

The essential properties of steel make it the sustainable choice for a wide range of applications. It is strong, durable, versatile, re-usable and most importantly, it is 100% recyclable.

Structural hollow sections make steel tubes have even better credentials with their high strength-to-weight ratio enhancing efficiency and reducing cost when compared to other structural sections.

Sustainability is not just about delivering environmental benefits – it is also achieving social & economic impacts too. We take the subject very seriously and have gained a very good rating for responsible sourcing according to BES 6001. This looks at not only the finished steel but the up-stream steel making process as well.

Tata Steel is the world’s first steel company to become an operator of an Environmental Product Declarations (EPD) Programme. This allows Tata Steel to produce our own EPDs which are valued by our construction clients who require transparent sustainability reporting.

For a more in depth list see www.tatasteelconstruction.com/certification.
Celsius®

The ultimate range of structural hollow sections for high performance applications - hot-formed, fully normalised and supported by over 30 years of expertise.

Celsius is a range of hot finished, fully normalised tubes offering a wide range of benefits. Made exclusively from fine-grain steel, Celsius hollow sections are fully应力 relieved with uniform mechanical properties. This instills them ideally for demanding structural and mechanical applications - delivering reliable performance over the entire service life.

Hybox®

A range of premium cold-formed structural hollow sections, designed to meet exacting specifications and supported by our extensive technical expertise.

Hybox® offers high-grade, multi-purpose cold-formed hollow sections, tip-top perfect for projects where you require guaranteed minimum strength and mechanical properties. It can be used in a wide range of structural and engineering applications, including all those where specific properties and compliance with design codes are required.

Strongbox®

An exceptionally wide range of structural hollow sections to EN 10219, specifically tailored towards the most popular specifications.

A general purpose hollow sections, Strongbox is in a cold-formed, low grade material suitable for a wide range of applications including light, non-critical structures. Strongbox is quality-assured and manufactured from fully-killed steel in Western Europe to our high standards and using our state-of-the-art supply chain.

Strongbox is available in grades S275HNR and S355HNR according to EN 10219 and in sizes from 37 x 3 mm OD up to and including 109 x 7 x 16 mm OD in our circular hollow sections range and from 25 x 2.0 mm up to and including 115 x 10 x 10 mm in our square and rectangular sections.

Technical aspects:

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<th>Celsius®</th>
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<tr>
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Available in Hybox TT

Using fully-killed steel for better formability and weldability

✓ Clearly marked for quality assurance
✓ Certified for batch traceability
✓ Compliant with the CPR through CE marking

Available with an enhanced surface finish suitable for direct painting

✓ Available with ½ tolerances to ease automated manufacturing
✓ Tight corner radii for aesthetic appeal and improved geometric properties

Manufactured in Western Europe with a fully integrated supply chain from raw metal manufacture to tube finishing.

Dimensions are subject to variation and tolerance. 

Celsius Hybox Strongbox