

# STRUCTURAL HOLLOW SECTIONS

Tata Steel is one of the world’s leading producers of welded steel tube and have a long history of manufacture. Today, from 5 manufacturing sites across the UK and the Netherlands, we make the widest range of steel tubes for many applications.

## Some of the key benefits of structural hollow sections from Tata Steel

Fully integrated supply chain from steel-making enabling reliability and consistent quality

All products are manufactured using fully killed steel for ease of use in a variety of applications

The widest range of both hot-finished and cold-formed hollow sections available in the UK

Certified to BES 6001 for responsible sourcing, with Environmental Product Declarations available

All products are CE marked to comply to the Construction Products Regulation, CPR

Expert technical support in both product use and application

### Our main production operations



■ Steel Making    ■ Tube Manufacture

## Celsius®

The ultimate range of hollow sections for high-performance applications – hot-finished, fully normalised and supported by over 50 years of expertise.

Available as circular, square, rectangular or elliptical sections in grades S355NH, S355NLH and S420 NH, fully compliant to EN 10210 as well as grades S355 G1+N and S355 G13+N to EN 10225 for offshore structures

## Hybox®

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

Available as circular, square, or rectangular sections in grade S355J2H EN 10219

## Strongbox®

A general purpose hollow section in S235JRH to EN 10219, suitable for a wide range of applications including light, non-critical structures. Strongbox is quality-assured and manufactured in Western Europe using our integrated steel supply-chain.



## Did you know...

We manufacture close to 700 thousand tonnes of tubes every year. All our steel comes from our own blast furnaces.

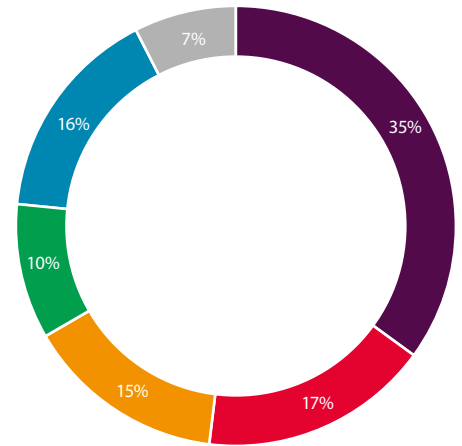




## Did you know...

All our tubes are made from fully killed steel. This makes the microstructure more uniform, making our tubes easier to process.

### Where we sell our tube products



#### Legend

UK	NL
Germany	Nordics
Other Europe	Rest of the world

## Fully integrated supply chain

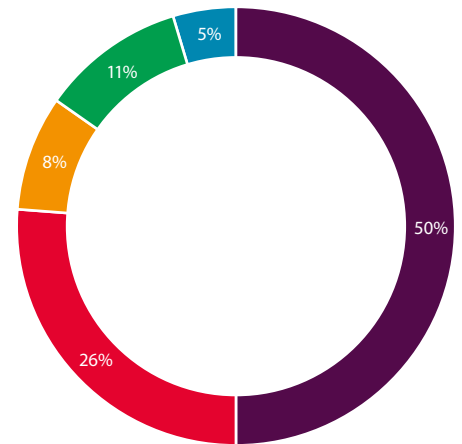
- All our steel comes from our own steel-making operations in either Wales or Netherlands.
- This dedicated supply chain means we are able to guarantee quality and reliability.
- We work very closely across the company to develop advanced steels for tubes.

## Supporting the UK market

- Over 1,200 structural engineers educated in the use of hollow section every year
- Over 2,000 installations of our bespoke joint design software
- Supporter of BCSA and Steel for Life



### What tube products we make



#### Legend

Cold-formed sections	Hot-finished sections
Precision	Conveyance
Energy pipe	



## Did you know...

The smallest tube we make is just 10mm in diameter. Our largest tubes are 400mm square and weigh up to 191 kg/m

## The responsible source of steel tubes



- We were the first steel company to gain BES 6001 certification for responsible sourcing
- Our manufacturing sites have ISO 9001 and ISO 14001 certification for quality and environmental protection
- We are leading the way in low-CO<sub>2</sub> steel-making with our pilot HISARNA plant



## Did you know...

We were the first steel company to gain independent accreditation for producing Environmental Product Declarations