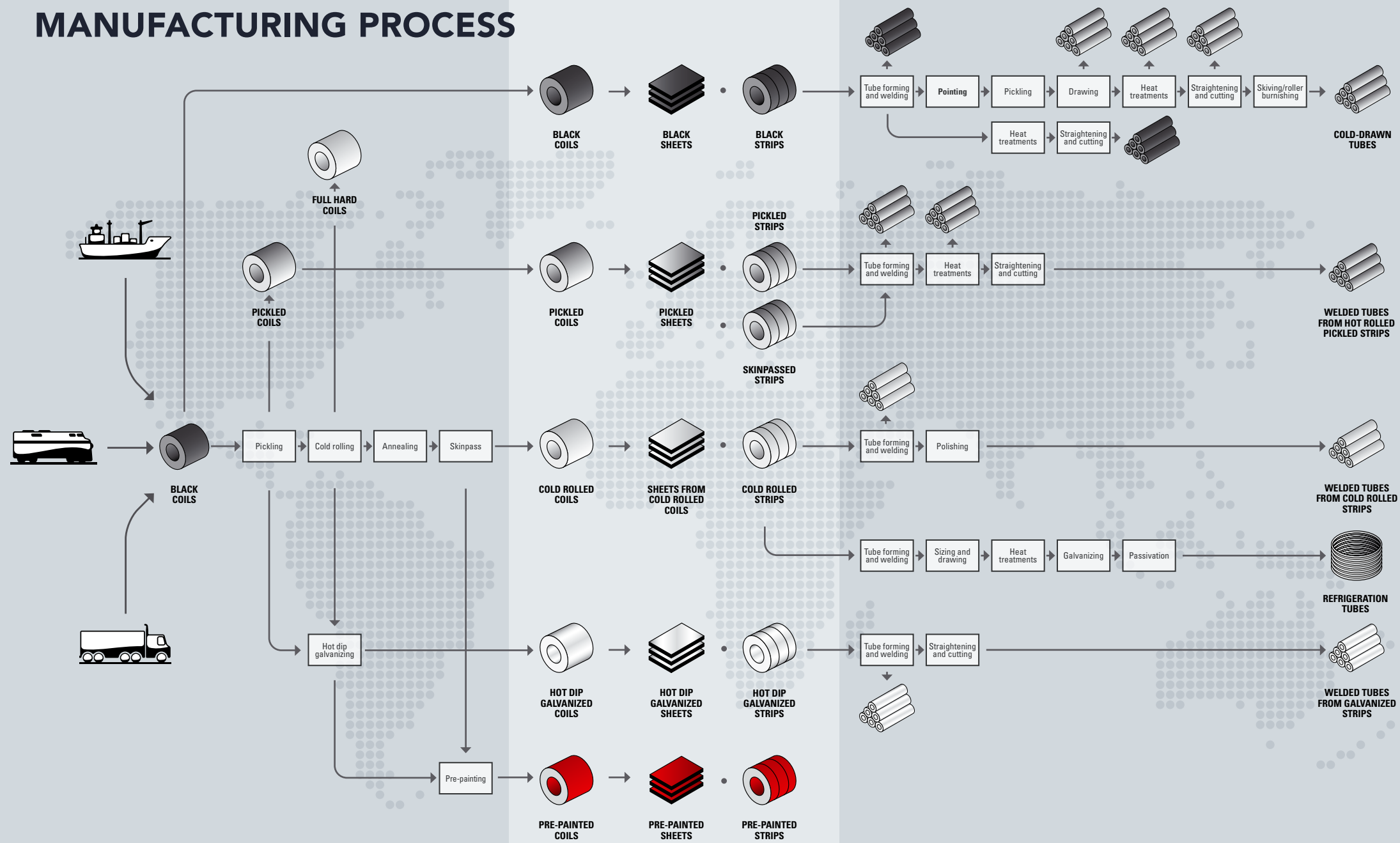




MARCEGAGLIA
CARBON STEEL

Marcegaglia UK
Dudley plant

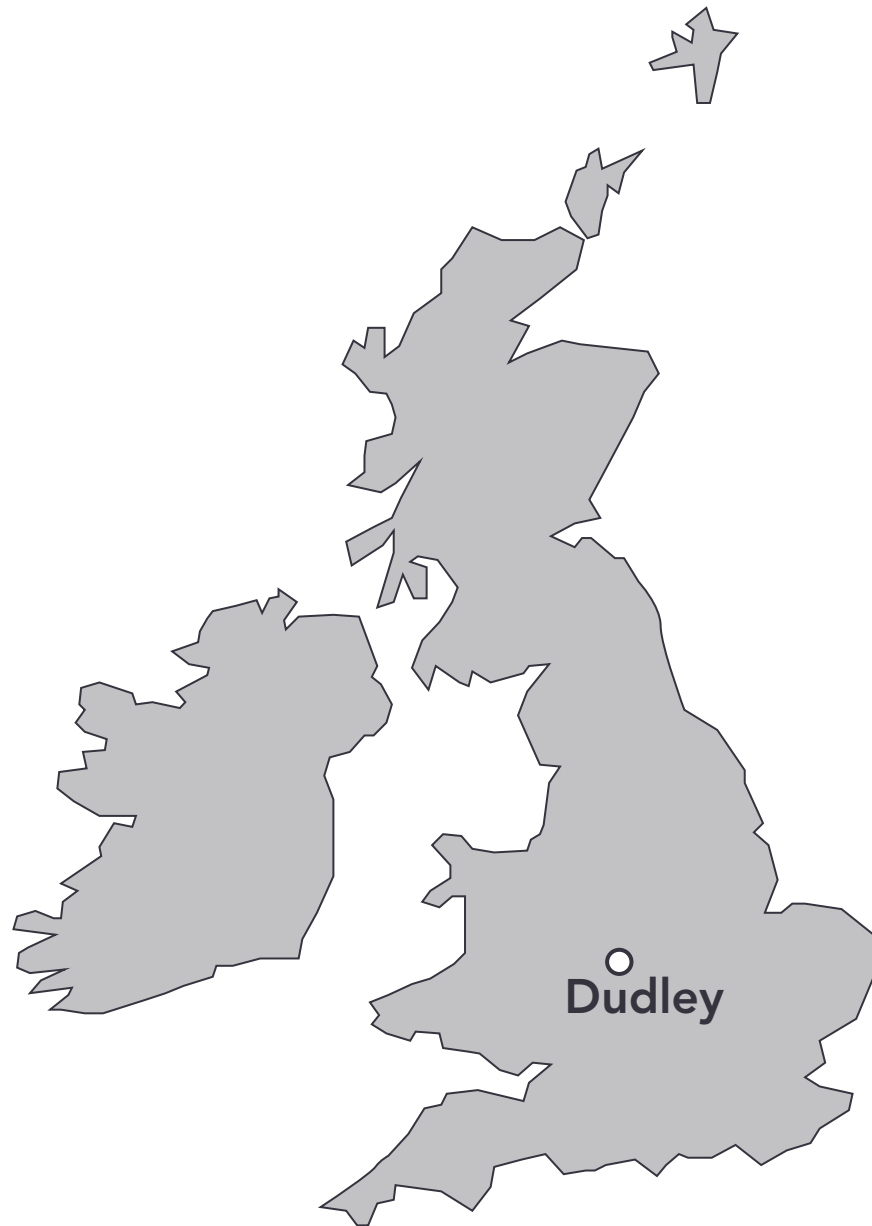
MANUFACTURING PROCESS



Marcegaglia UK

Marcegaglia UK was established in 1996 and it is devoted to the manufacturing of electro-welded carbon steel tubes for a wide range of applications.

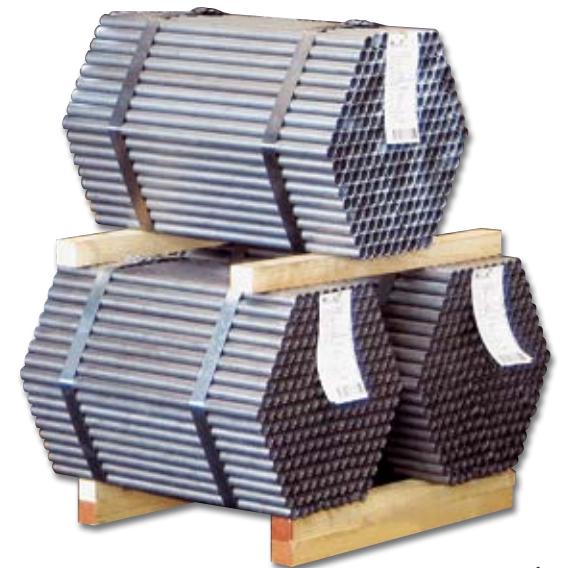
Its production facilities are located in Dudley (West Midlands), with an overall surface of 28,000 sqm (11,498 sqm of which covered).





Marcegaglia UK production is ISO 9001 certified by SGS since 12/01/1996, with total five tube production lines.

The facilities, employing 128 total workers, have a yearly total output capacity of 100,000 tonnes of finished products, making Marcegaglia UK the largest precision tube manufacturer in Great Britain.

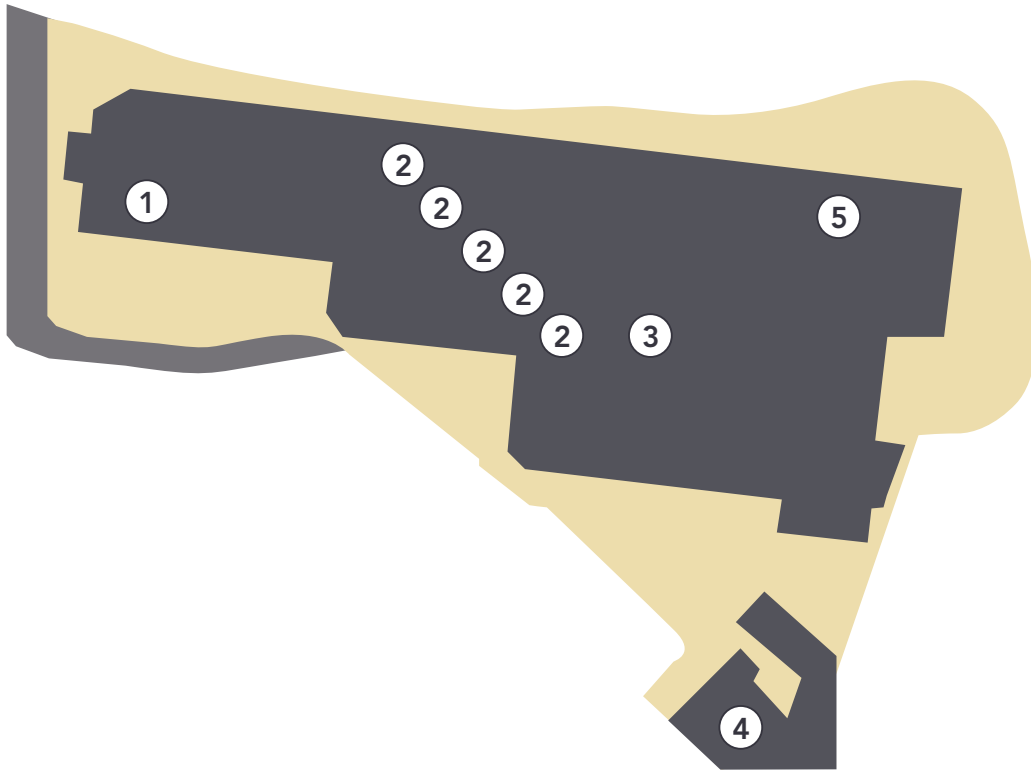




Production lines

The production lines in **Marcegaglia UK** are equipped to offer a wide range of specific tube finishes.

Tubes are non-destructive eddy current tested inline to prevent weld seam defects. Additionally destructive testing includes tensile, flare and flattening.



- | | | |
|---|------------------------------|---------------------|
| ① | Slitting line | 1 |
| ② | Tube mills | |
| | manufacturing capacity (t/y) | 90,000 |
| | no. of mills | 5 |
| ③ | Coating line | |
| | In-line cleaning | 3-stage wash system |
| | UV coating | Vacuum coating head |
| | Finishing | UV lamps |
| ④ | Finishing and testing | |
| ⑤ | Warehouse | |



MARCE-COAT - Product Features:

- Superior corrosion protection
- Completely clean tube
- Suitable for direct painting/powder coating
- Can be used as a finished coated product due to its aesthetically pleasing appearance



Typical applications

- tubes for agricultural and farming applications
- tubes for building and construction applications
- tubes for the furniture industry



- tubes for industrial packaging applications
- tubes for mechanical and automotive applications



Carbon steel welded tubes

Round

Min. thickness (mm)	0,70
Max. thickness (mm)	5
Min. diameter (mm)	10
Max. diameter (mm)	90

Square

Min. thickness (mm)	0,70
Max. thickness (mm)	5
Ext. size min. (mm)	12x12
Ext. size max. (mm)	70x70

Rectangular

Min. thickness (mm)	0,70
Max. thickness (mm)	5
Ext. size min. (mm)	20x10
Ext. size max. (mm)	110x30

Main manufacturing standards

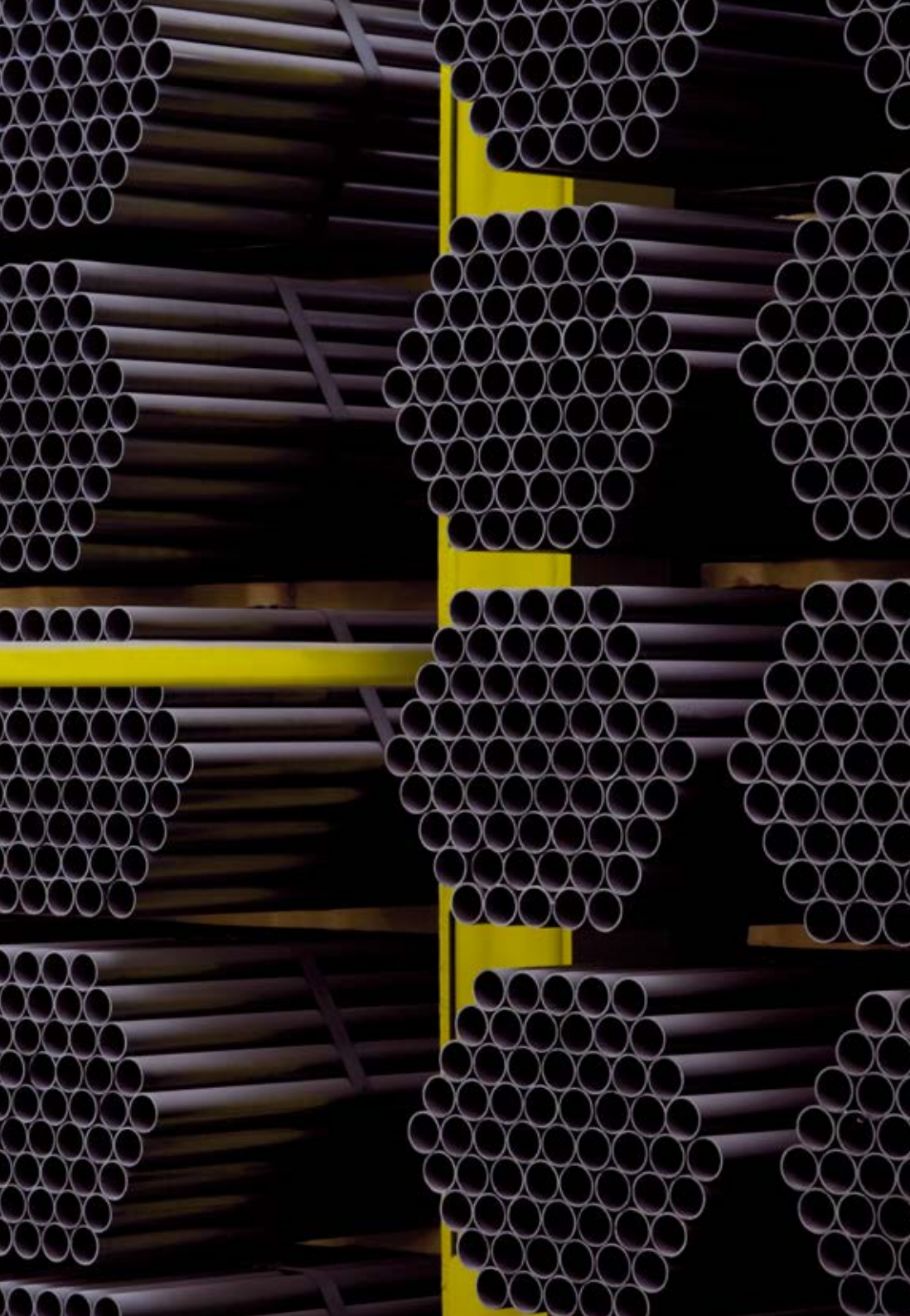
MANUFACTURING STANDARD	PRODUCT DESIGNATION	TREATMENT	GRADE*	SURFACE CONDITIONS
EN 10305-3	Round and shaped precision tubes	+CR1 Welded and sized +CR2 Welded and sized	E190, E320, E220, E370, E260, E420, E155, E195, E235, E275, E355	S1 From hot-rolled strip, black S2 From hot-rolled strip, pickled S3 From cold-rolled strip S4 From coated strip
EN 10305-5	Square and rectangular precision tubes			
EN 10219	Cold formed welded structural tubes (CE homologation)		S235JRH S275J0H S275J2H S355J0H S355J2H	

(*) Upon request: supply of grades not included in the above mentioned standards



Lengths tolerances

Marcegaglia can guarantee tight tolerances on tube in-line cutting: ± 1 mm on standard lengths ranging from 2,000 to 12,500 mm.



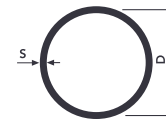
Optional processing

- Suitability for subsequent galvanizing
- Bead rolling
- Special end finishing
- Cut to length
- Customer defined marking
- Restricted tolerances
- Welding position
- Specific corrosion protection
- Specific packaging method
- Unit testing composed of tubes from a single casting
- Hot galvanization

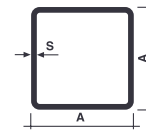


Standard and optional testing

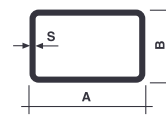
- Chemical composition
- Tensile test
- Flattening test
- Expansion test
- Impact test
- Non destructive weld test
- Dimensional test
- Micrographic analysis
- Visual test
- Surface roughness measurement
- Release of special certificates



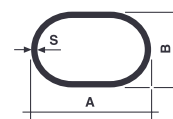
**Round carbon steel
welded precision tubes**



**Square carbon steel
welded precision tubes**



**Rectangular carbon steel
welded tubes**



**Oval carbon steel
welded tubes**

Quality and environment



Marcegaglia UK quality system is ISO 9001 certified (registered since 1996).

The Dudley plant hold accreditation to the "Directive 89/106/EEC" which allows to supply CE marked material to the European market.

Within a corporate policy promoting waste reduction and environmental safety, the plant has also implemented an ISO 14001 certified environmental quality system, while workplace health and safety system is certified according to the BS OHSAS 18001:2007 standard.

The membership of the Black Country Business Environment Association and the British Safety Council reinforces our commitment to the environment and workplace safety.

November 2023

OUR STEEL BRINGS YOUR WORLD TO LIFE



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