

## Steel Tube



**Keeping the art of distribution simple**

## Steel Tube

At Shawston we hold 2000 tons of red and galvanised, heavy, and medium weight steel tube. Our experienced fabrication team can cut, thread, or groove every length of steel tube and offer a full takeoff service. All delivered the next day by our own vehicle fleet.

Lengths can be specified and cut to +/- 1mm tolerances. All our 15nb to 150nb steel tube is dual certified EN10255/10217 with batch test certificates available on request. We have complete control over the end finished process with a unique leak tightness warranty available as standard.

Our hot-finished steel tubes comply with both the Construction Products Regulations (CPR) under BS EN10255 (1) and the Pressure Equipment Directive (PED) under Part 2 – tubes for elevated temperature use.

### **Quality, always.**

Quality is everything. It runs through the very core of our business, from the quality of our employees to the quality of our products. That's why we verify, and risk assess our supply chain from beginning to end ensuring product integrity, traceability, quality, and sustainability of supply.

Maintaining a full chain of custody across our steel tube product range encourages:

- Strong supply chain engagement.
- Regular audits, training, and collaboration.
- Clear visibility of our products from their source of origin to their end use.
- Reduced risk & protects continuity of supply.
- Reduced carbon footprint.

Working closely with manufacturers and our supply chain partners in product development allows us to effectively trace each product within the product life cycle. The use of advanced stencilling allows us to track our supply chain and adhere to new and existing legislation such as the Building Safety Act.

### **Compliance, always.**

Manufactured in accordance with a range of standards, including EN10255 and EN10217-2 satisfying both the Construction Products Regulation (CPR) and the Pressure Equipment Directive (PED) where applicable.

All our steel tube products are CE marked to CAT 3 (fuel, air, gas) & 4 (water) under the Construction Products Regulations (CPR), fully harmonised with the Pressure Equipment Directive (PED) and are technically compliant for use at elevated temperatures.



## Heavy Steel Tube

Shawston holds large stocks of heavy steel tube. Our skilled fabrication team can cut, thread or groove every length of steel tube and offer a full take off service. All delivered the very next day.

Our hot-finished steel tubes comply with both the Construction Products Regulations (CPR) under BS EN10255 (1) and the Pressure Equipment Directive (PED) under Part 2 – tubes for elevated temperature use.

So, you can be confident when specifying, purchasing or installing our pipework for your next project that it is batched, fully traceable and performs to the highest standard.

The pipe is manufactured by applying a full body normalising process to normalise the hard zone on the pipes in accordance with EN 10217 Part 2 standard.

The pipes that are manufactured have adequate creep strength, good heat resistance, corrosion resistance, metallurgical stability, oxidation resistance, and stress rupture resistance.

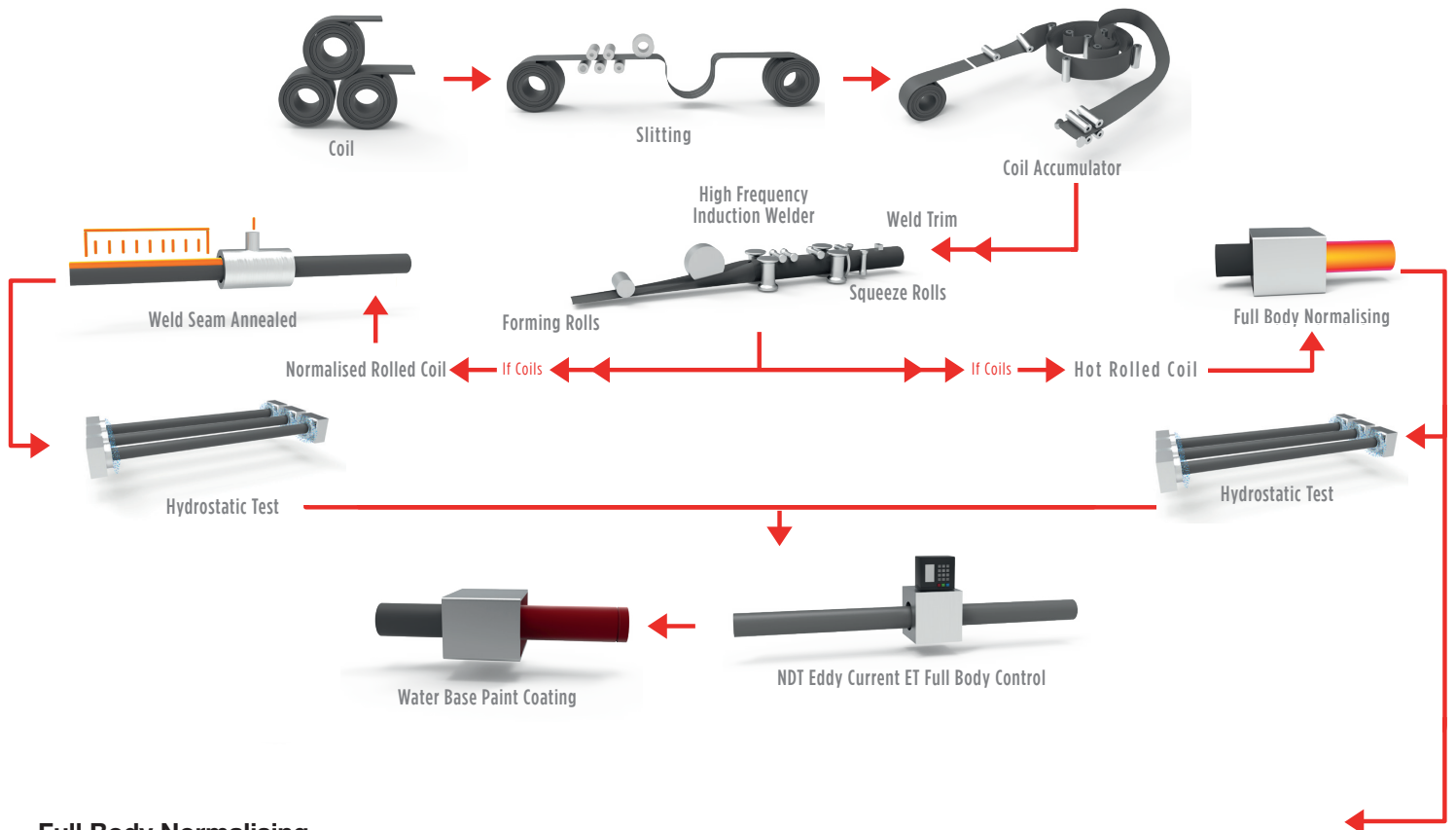
### Compliance to Regulations

Manufactured in accordance with a range of standards, including EN10255 and EN10217-2 to satisfy both Construction Products Regulation (CPR) and the pressure Equipment Directive (PED) requirements, where applicable. Also, products are CE marked to CAT 3 (fuel, air, gas) & 4 (water) under the Construction Products Regulations (CPR), fully harmonised with the Pressure Equipment Directive (PED), and are technically compliant for use at elevated temperatures.

| Standard                     | BS EN 10255 / 10217-2:2019<br>GH Part 2 - TC 1 |
|------------------------------|--|
| Technical Delivery Condition | HOT FINISHED                                   |
| Grade                        | S195T-P235GH                                   |
| Temp Classification          | High Temp (HT)                                 |
| PED Compliance               | YES  |
| CPR CE Compliance            | YES – System 3&4                               |
| UKCA Compliance              | YES  |

## The Manufacturing Process

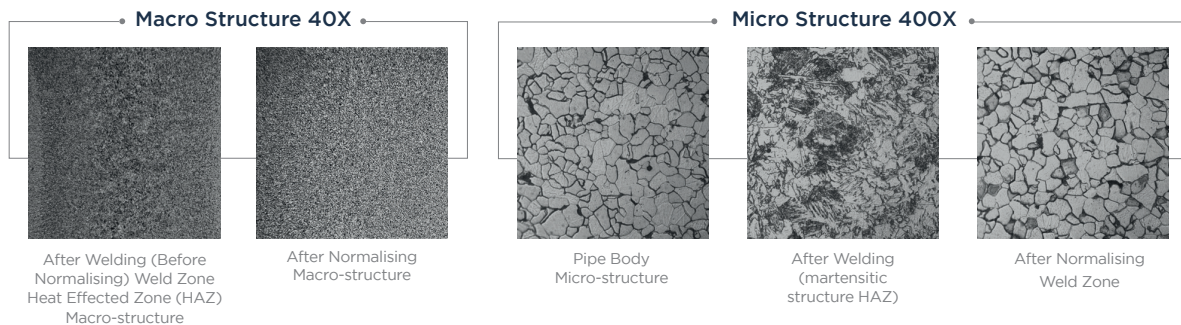
The tubes are manufactured by an electric welding process employing high frequency welding (HFW) as per the diagram below. All pipes are heated at a normalising temperature for a fine grain, homogeneous microstructure, and increased strength.



### Full Body Normalising

The heat affected zone (HAZ) occurs after welding during the pipe manufacture. HAZ is a non-melted area of metal that has undergone changes in material properties as a result of being exposed to high temperatures. These changes in material property are usually a result of welding. HAZ is harder than the pipe body and has a martensitic microstructure. A full body normalising process is applied to our tube to normalise this hard zone on the pipes according to the EN 10217 Part 2 standard. Pipe normalising is a heat treatment process performed after cold forming and welding processes to refine the distorted grains in the microstructure.

### Benefits of Full Body Normalising



After heat treatment, the pipe body and welding line microstructure have the same homogeneous structure and hardness.

## Steel Tube EN10255/10217-2 Quality Control Process

### Chemical Tests

All raw materials are tested for chemical and mechanical properties when they arrive. In addition, for each casting, all products are retested after all production processes, including heat treatment, ensuring full traceability.

### Mechanical Tests

#### Tensile Test

The tensile test is performed at room temperature in accordance with EN ISO 6892-1. The tensile test strength (Rm), the yield strength (Rp0,2) and the percentage elongation are checked according to standard requirements. Also, this test can be performed in accordance with EN ISO 6892-2, at one temperature from Table 5 in EN 10217-2, if agreed at the time of enquiry and order, and the proof strength (Rp0,2) can be determined and verified.

#### Flattening and Expanding Tests for Weld Durability

The samples are flattened in one press until the distance between the plates reaches two wall thicknesses of the tube. This checks the weld strength and looks for any cracks or defects. A conical tool is also used to check the breaking point of the pipe. The break zone is checked for any cracks or breaks for each coil strip. Weld and material durability are verified a second time for each coil strip during the production process.

#### Leak Tightness Test / Hydrostatic and NDT Test

Hydrostatic and full-body Eddy Current Test (NDT) are performed to comply with leak tightness, although one of them is optional in the standard. Also, after all destructive tests and full body normalising, the final NDT test is performed on all final products.

|                          |                    | Recommended maximum design pressure at elevated temperatures |      |      |       |       |      |       |      |       |       |       |
|--------------------------|--------------------|--|------|------|-------|-------|------|-------|------|-------|-------|-------|
|                          |                    | Pipe Sizes mm/inch   |      |      |       |       |      |       |      |       |       |       |
|                          |                    | 21.3   | 26.9 | 33.7 | 42.4  | 48.3  | 60.3 | 76.1  | 88.9 | 114.3 | 139.7 | 165.1 |
|                          |                    | 1/2  | 3/4  | 1    | 1 1/4 | 1 1/2 | 2    | 2 1/2 | 3    | 4     | 5     | 6     |
| Joints                   | Conditions         | Pressure (bar)   |      |      |       |       |      |       |      |       |       |       |
| Screwed and socketed (1) | Water -20 to 60°C  | 100  | 90   | 85   | 70    | 60    | 55   | 45    | 40   | 35    | N/A*  | N/A*  |
|                          | Compressed Air     | 90   | 80   | 75   | 65    | 55    | 50   | 40    | 35   | 30    | N/A*  | N/A*  |
|                          | Steam to 300°C max | 12   | 12   | 12   | 10    | 10    | 9    | 9     | 9    | 7     | N/A*  | N/A*  |
| Butt-welded (2)          | -20 to 60°C        | 270  | 215  | 215  | 171   | 150   | 136  | 108   | 103  | 86    | 70    | 60    |
|                          | 100°C max          | 234  | 187  | 186  | 148   | 130   | 118  | 93    | 89   | 75    | 61    | 52    |
|                          | 150°C max          | 225  | 179  | 179  | 143   | 125   | 113  | 90    | 85   | 72    | 59    | 60    |
|                          | 300°C max          | 158  | 126  | 126  | 100   | 88    | 80   | 63    | 60   | 51    | 41    | 35    |

(1) When correctly made-up using suitable and appropriate jointing compounds.

(2) Butt-welded joints prepared in accordance with current best practice (according to P235GH material mechanical properties).

\* Pressure data is for guidance only and it will be a function of the jointing system used. Screwed & Socketed joints may be restricted for some applications so not suggested for 5" and 6". All pressure metrics are maximum estimates and must be validated by a competent design engineer.

## Steel Tube EN10255/10217 / EN10255/10217-2 Technical Data

|        | NOMINAL BORE NB |       | OUTSIDE DIAMETER OD |              | WALL THICKNESS (MM) | WEIGHT (KG/M) | LEN / BUNDLE |
|--------|-----------------|-------|---------------------|--------------|---------------------|---------------|--------------|
|        | (INCH)          | (MM)  | MINIMUM (MM)        | MAXIMUM (MM) |                     | PLAIN ENDS    |              |
| MEDIUM | 1/2"            | 15    | 21                  | 21.8         | 2.6                 | 1.2           | 169          |
|        | 3/4"            | 20    | 26.5                | 27.3         | 2.6                 | 1.6           | 127          |
|        | 1"              | 25    | 33.3                | 34.2         | 3.2                 | 2.4           | 91           |
|        | 1 1/4"          | 32    | 42                  | 42.9         | 3.2                 | 3.1           | 61           |
|        | 1 1/2"          | 40    | 47.9                | 48.8         | 3.2                 | 3.6           | 61           |
|        | 2"              | 50    | 59.7                | 60.8         | 3.6                 | 5             | 37           |
|        | 2 1/2"          | 65    | 75.3                | 76.6         | 3.6                 | 6.4           | 37           |
|        | 3"              | 80    | 88                  | 89.5         | 4                   | 8.4           | 19           |
|        | 4"              | 100   | 113.1               | 115          | 4.5                 | 12.2          | 19           |
|        | 5"              | 125   | 138.5               | 140.8        | 5                   | 16.6          | 10           |
| 6"     | 150             | 163.9 | 166.5               | 5            | 19.8                | 7             |              |

| CHEMICAL COMPOSITION % |          |         |         | MECHANICAL PROPERTIES     |                      |
|------------------------|----------|---------|---------|---------------------------|----------------------|
| C (max)                | Mn (max) | P (max) | S (max) | Tensile Strength Rm (MPa) | Elongation (A min %) |
| 0.20                   | 0.70     | 0.045   | 0.045   | 320 to 460                | 20                   |

|       | NOMINAL BORE NB |       | OUTSIDE DIAMETER OD (MM) | WALL THICKNESS (MM) | WEIGHT (KG/M) | LEN / BUNDLE |
|-------|-----------------|-------|--------------------------|---------------------|---------------|--------------|
|       | (INCH)          | (MM)  |                          |                     | PLAIN ENDS    |              |
| HEAVY | 1/2"            | 15    | 21.3                     | 3.2                 | 1.4           | 169          |
|       | 3/4"            | 20    | 26.9                     | 3.2                 | 1.9           | 127          |
|       | 1"              | 25    | 33.7                     | 4                   | 2.9           | 91           |
|       | 1 1/4"          | 32    | 42.4                     | 4                   | 3.8           | 61           |
|       | 1 1/2"          | 40    | 48.3                     | 4                   | 4.4           | 61           |
|       | 2"              | 50    | 60.3                     | 4.5                 | 6.2           | 37           |
|       | 2 1/2"          | 65    | 76.1                     | 4.5                 | 7.9           | 37           |
|       | 3"              | 80    | 88.9                     | 5                   | 10.3          | 19           |
|       | 4"              | 100   | 114.3                    | 5.4                 | 14.5          | 19           |
|       | 5"              | 125   | 139.7                    | 5.4                 | 17.9          | 10           |
| 6"    | 150             | 165.1 | 5.4                      | 21.3                | 7             |              |

| CHEMICAL COMPOSITION % |          |         |         | MECHANICAL PROPERTIES     |                      |
|------------------------|----------|---------|---------|---------------------------|----------------------|
| C (max)                | Mn (max) | P (max) | S (max) | Tensile Strength Rm (MPa) | Elongation (A min %) |
| 0.16                   | 1.20     | 0.025   | 0.020   | 360 to 500                | xx                   |

### Chemical and Mechanical Tests

The tubes conform to the requirements of the below table, in accordance with standards EN 10255 / EN 10217-2 and inspected to all specified requirements of both standards.

It's also suitable for design temperatures from -20 to +300°C, and can be validated in accordance with BS EN 10217-2, with guaranteed elevated temperature properties, in accordance with Part 2 Table 5, up to and including 300°C.

## Red Heavy Steel Tube - Plain Ends



### Key Features:

- **Dual Certified to EN10255/10217-2 P235GH.**
- **CE Marked.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE         | Description                                     |
|--------------|---|
| Full Randoms |   |
| PT2RHTP008   | 8mm Red Hvy Tube P/E Full LGT EN10255-10217/2   |
| PT2RHTP010   | 10mm Red Hvy Tube P/E Full LGT EN10255-10217/2  |
| PT2RHTP015   | 15mm Red Hvy Tube P/E Full LGT EN10255-10217/2  |
| PT2RHTP020   | 20mm Red Hvy Tube P/E Full LGT EN10255-10217/2  |
| PT2RHTP025   | 25mm Red Hvy Tube P/E Full LGT EN10255-10217/2  |
| PT2RHTP032   | 32mm Red Hvy Tube P/E Full LGT EN10255-10217/2  |
| PT2RHTP040   | 40mm Red Hvy Tube P/E Full LGT EN10255-10217/2  |
| PT2RHTP050   | 50mm Red Hvy Tube P/E Full LGT EN10255-10217/2  |
| PT2RHTP065   | 65mm Red Hvy Tube P/E Full LGT EN10255-10217/2  |
| PT2RHTP080   | 80mm Red Hvy Tube P/E Full LGT EN10255-10217/2  |
| PT2RHTP100   | 100mm Red Hvy Tube P/E Full LG EN10255-10217/2  |
| PT2RHTP125   | 125mm Red Hvy Tube P/E Full LGT EN10255-10217/2 |
| PT2RHTP150   | 150mm Red Hvy Tube P/E Full LGT EN10255-10217/2 |
| Half Randoms |   |
| PT2RHTPHL008 | 8mm Red Hvy Tube P/E Half LGT EN10255-10217/2   |
| PT2RHTPHL010 | 10mm Red Hvy Tube P/E Half LGT EN10255-10217/2  |
| PT2RHTPHL015 | 15mm Red Hvy Tube P/E Half LGT EN10255-10217/2  |
| PT2RHTPHL020 | 20mm Red Hvy Tube P/E Half LGT EN10255-10217/2  |
| PT2RHTPHL025 | 25mm Red Hvy Tube P/E Half LGT EN10255-10217/2  |
| PT2RHTPHL032 | 32mm Red Hvy Tube P/E Half LGT EN10255-10217/2  |
| PT2RHTPHL040 | 40mm Red Hvy Tube P/E Half LGT EN10255-10217/2  |
| PT2RHTPHL050 | 50mm Red Hvy Tube P/E Half LGT EN10255-10217/2  |
| PT2RHTPHL065 | 65mm Red Hvy Tube P/E Half LGT EN10255-10217/2  |
| PT2RHTPHL080 | 80mm Red Hvy Tube P/E Half LGT EN10255-10217/2  |
| PT2RHTPHL100 | 100mm Red Hvy Tube P/E Half LGT EN10255-10217/2 |
| PT2RHTPHL125 | 125mm Red Hvy Tube P/E Half LGT EN10255-10217/2 |
| PT2RHTPHL150 | 150mm Red Hvy Tube P/E Half LGT EN10255-10217/2 |

## Red Heavy Steel Tube - Screwed Ends - Tapered Thread



### Key Features:

- **Dual Certified to EN10255/10217-2 P235GH.**
- **CE Marked.**
- **In-house threading, enabling us to control quality and costs.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE         | Description                                     |
|--------------|---|
| Full Randoms |   |
| PT2RHTS008   | 8mm Red Hvy Tube S/S Full LGT EN10255-10217/2   |
| PT2RHTS010   | 10mm Red Hvy Tube S/S Full LGT EN10255-10217/2  |
| PT2RHTS015   | 15mm Red Hvy Tube S/S Full LGT EN10255-10217/2  |
| PT2RHTS020   | 20mm Red Hvy Tube S/S Full LGT EN10255-10217/2  |
| PT2RHTS025   | 25mm Red Hvy Tube S/S Full LGT EN10255-10217/2  |
| PT2RHTS032   | 32mm Red Hvy Tube S/S Full LGT EN10255-10217/2  |
| PT2RHTS040   | 40mm Red Hvy Tube S/S Full LGT EN10255-10217/2  |
| PT2RHTS050   | 50mm Red Hvy Tube S/S Full LGT EN10255-10217/2  |
| PT2RHTS065   | 65mm Red Hvy Tube S/S Full LGT EN10255-10217/2  |
| PT2RHTS080   | 80mm Red Hvy Tube S/S Full LGT EN10255-10217/2  |
| PT2RHTS100   | 100mm Red Hvy Tube S/S Full LGT EN10255-10217/2 |
| Half Randoms |   |
| PT2RHTSHL008 | 8mm Red Hvy Tube S/S Half LGT EN10255-10217/2   |
| PT2RHTSHL010 | 10mm Red Hvy Tube S/S Half LGT EN10255-10217/2  |
| PT2RHTSHL015 | 15mm Red Hvy Tube S/S Half LGT EN10255-10217/2  |
| PT2RHTSHL020 | 20mm Red Hvy Tube S/S Half LGT EN10255-10217/2  |
| PT2RHTSHL025 | 25mm Red Hvy Tube S/S Half LGT EN10255-10217/2  |
| PT2RHTSHL032 | 32mm Red Hvy Tube S/S Half LGT EN10255-10217/2  |
| PT2RHTSHL040 | 40mm Red Hvy Tube S/S Half LGT EN10255-10217/2  |
| PT2RHTSHL050 | 50mm Red Hvy Tube S/S Half LGT EN10255-10217/2  |
| PT2RHTSHL065 | 65mm Red Hvy Tube S/S Half LGT EN10255-10217/2  |
| PT2RHTSHL080 | 80mm Red Hvy Tube S/S Half LGT EN10255-10217/2  |
| PT2RHTSHL100 | 100mm Red Hvy Tube S/S Half LGT EN10255-10217/2 |



## Red Heavy Steel Tube - Roll Grooved Ends - Victaulic Approved



### Key Features:

- **Dual Certified to EN10255/10217-2 P235GH.**
- **CE Marked.**
- **In-house Victaulic roll grooved end finish, each end quality checked with Victaulic groove depth measuring tapes, all Shawston operatives are fully trained by Victaulic.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE         | Description                                     |
|--------------|---|
| Full Randoms |   |
| PT2RHTG025   | 25mm Red Hvy Tube GVD Full LGT EN10255-10217/2  |
| PT2RHTG032   | 32mm Red Hvy Tube GVD Full LGT EN10255-10217/2  |
| PT2RHTG040   | 40mm Red Hvy Tube GVD Full LGT EN10255-10217/2  |
| PT2RHTG050   | 50mm Red Hvy Tube GVD Full LGT EN10255-10217/2  |
| PT2RHTG065   | 65mm Red Hvy Tube GVD Full LGT EN10255-10217/2  |
| PT2RHTG080   | 80mm Red Hvy Tube GVD Full LGT EN10255-10217/2  |
| PT2RHTG100   | 100mm Red Hvy Tube GVD Full LGT EN10255-10217/2 |
| PT2RHTG125   | 125mm Red Hvy Tube GVD Full LGT EN10255-10217/2 |
| PT2RHTG150   | 150mm Red Hvy Tube GVD Full LGT EN10255-10217/2 |
| Half Randoms |   |
| PT2RHTGHL025 | 25mm Red Hvy Tube GVD Half LGT EN10255-10217/2  |
| PT2RHTGHL032 | 32mm Red Hvy Tube GVD Half LGT EN10255-10217/2  |
| PT2RHTGHL040 | 40mm Red Hvy Tube GVD Half LGT EN10255-10217/2  |
| PT2RHTGHL050 | 50mm Red Hvy Tube GVD Half LGT EN10255-10217/2  |
| PT2RHTGHL065 | 65mm Red Hvy Tube GVD Half LGT EN10255-10217/2  |
| PT2RHTGHL080 | 80mm Red Hvy Tube GVD Half LGT EN10255-10217/2  |
| PT2RHTGHL100 | 100mm Red Hvy Tube GVD Half LGT EN10255-10217/2 |
| PT2RHTGHL125 | 125mm Red Hvy Tube GVD Half LGT EN10255-10217/2 |
| PT2RHTGHL150 | 150mm Red Hvy Tube GVD Half LGT EN10255-10217/2 |

## Red Medium Steel Tube - Plain Ends



### Key Features:

- **Dual Certified to EN10255/10217.**
- **CE Marked.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE         | Description                        |
|--------------|------------------------------------|
| Full Randoms |                                    |
| RMTP008      | 8mm Red Med Tube P/E Full Length   |
| RMTP010      | 10mm Red Med Tube P/E Full Length  |
| RMTP015      | 15mm Red Med Tube P/E Full Length  |
| RMTP020      | 20mm Red Med Tube P/E Full Length  |
| RMTP025      | 25mm Red Med Tube P/E Full Length  |
| RMTP032      | 32mm Red Med Tube P/E Full Length  |
| RMTP040      | 40mm Red Med Tube P/E Full Length  |
| RMTP050      | 50mm Red Med Tube P/E Full Length  |
| RMTP065      | 65mm Red Med Tube P/E Full Length  |
| RMTP080      | 80mm Red Med Tube P/E Full Length  |
| RMTP100      | 100mm Red Med Tube P/E Full Length |
| RMTP125      | 125mm Red Med Tube P/E Full Length |
| RMTP150      | 150mm Red Med Tube P/E Full Length |
| Half Randoms |                                    |
| RMTPHL008    | 8mm Red Med Tube P/E Half Length   |
| RMTPHL010    | 10mm Red Med Tube P/E Half Length  |
| RMTPHL015    | 15mm Red Med Tube P/E Half Length  |
| RMTPHL020    | 20mm Red Med Tube P/E Half Length  |
| RMTPHL025    | 25mm Red Med Tube P/E Half Length  |
| RMTPHL032    | 32mm Red Med Tube P/E Half Length  |
| RMTPHL040    | 40mm Red Med Tube P/E Half Length  |
| RMTPHL050    | 50mm Red Med Tube P/E Half Length  |
| RMTPHL065    | 65mm Red Med Tube P/E Half Length  |
| RMTPHL080    | 80mm Red Med Tube P/E Half Length  |
| RMTPHL100    | 100mm Red Med Tube P/E Half Length |
| RMTPHL125    | 125mm Red Med Tube P/E Half Length |
| RMTPHL150    | 150mm Red Med Tube P/E Half Length |

## Red Medium Steel Tube - Screwed Ends - Tapered Thread



### Key Features:

- **Dual Certified to EN10255/10217.**
- **CE Marked.**
- **In-house threading, enabling us to control quality and costs.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE                                | Description                        |
|-------------------------------------|------------------------------------|
| Full Randoms                        |                                    |
| RMTS008                             | 8mm Red Med Tube S/S Full Length   |
| RMTS010                             | 10mm Red Med Tube S/S Full Length  |
| RMTS015                             | 15mm Red Med Tube S/S Full Length  |
| RMTS020                             | 20mm Red Med Tube S/S Full Length  |
| RMTS025                             | 25mm Red Med Tube S/S Full Length  |
| RMTS032                             | 32mm Red Med Tube S/S Full Length  |
| RMTS040                             | 40mm Red Med Tube S/S Full Length  |
| RMTS050                             | 50mm Red Med Tube S/S Full Length  |
| RMTS065                             | 65mm Red Med Tube S/S Full Length  |
| RMTS080                             | 80mm Red Med Tube S/S Full Length  |
| RMTS100                             | 100mm Red Med Tube S/S Full Length |
| Half Randoms - Screwed One End Only |                                    |
| RMTSHL008                           | 8mm Red Med Tube SOE Half Length   |
| RMTSHL010                           | 10mm Red Med Tube SOE Half Length  |
| RMTSHL015                           | 15mm Red Med Tube SOE Half Length  |
| RMTSHL020                           | 20mm Red Med Tube SOE Half Length  |
| RMTSHL025                           | 25mm Red Med Tube SOE Half Length  |
| RMTSHL032                           | 32mm Red Med Tube SOE Half Length  |
| RMTSHL040                           | 40mm Red Med Tube SOE Half Length  |
| RMTSHL050                           | 50mm Red Med Tube SOE Half Length  |
| RMTSHL065                           | 65mm Red Med Tube SOE Half Length  |
| RMTSHL080                           | 80mm Red Med Tube SOE Half Length  |
| RMTSHL100                           | 100mm Red Med Tube SOE Half Length |

## Red Medium Steel Tube - Roll Grooved Ends - Victaulic Approved



### Key Features:

- **Dual Certified to EN10255/10217.**
- **CE Marked.**
- **In-house Victaulic roll grooved end finish. Each end is quality checked with Victaulic groove depth measuring tapes. All Shawston operatives are fully trained by Victaulic.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE         | Description                        |
|--------------|------------------------------------|
| Full Randoms |                                    |
| RMTG025      | 25mm Red Med Tube Grd Full Length  |
| RMTG032      | 32mm Red Med Tube Grd Full Length  |
| RMTG040      | 40mm Red Med Tube Grd Full Length  |
| RMTG050      | 50mm Red Med Tube Grd Full Length  |
| RMTG065      | 65mm Red Med Tube Grd Full Length  |
| RMTG080      | 80mm Red Med Tube Grd Full Length  |
| RMTG100      | 100mm Red Med Tube Grd Full Length |
| RMTG125      | 125mm Red Med Tube Grd Full Length |
| RMTG150      | 150mm Red Med Tube Grd Full Length |
| Half Randoms |                                    |
| RMTGHL025    | 25mm Red Med Tube Grd Half Length  |
| RMTGHL032    | 32mm Red Med Tube Grd Half Length  |
| RMTGHL040    | 40mm Red Med Tube Grd Half Length  |
| RMTGHL050    | 50mm Red Med Tube Grd Half Length  |
| RMTGHL065    | 65mm Red Med Tube Grd Half Length  |
| RMTGHL080    | 80mm Red Med Tube Grd Half Length  |
| RMTGHL100    | 100mm Red Med Tube Grd Half Length |
| RMTGHL125    | 125mm Red Med Tube Grd Half Length |
| RMTGHL150    | 150mm Red Med Tube Grd Half Length |

## Galvanised Heavy Steel Tube - Plain Ends



### Key Features:

- **Dual Certified to EN10255/10217-2 P235GH.**
- **CE Marked.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE         | Description   |
|--------------|---|
| Full Randoms |   |
| PT2GHTP008   | 8mm Galv Hvy Tube P/E Full Length EN10255-10217/2   |
| PT2GHTP010   | 10mm Galv Hvy Tube P/E Full Length EN10255-10217/2  |
| PT2GHTP015   | 15mm Galv Hvy Tube P/E Full Length EN10255-10217/2  |
| PT2GHTP020   | 20mm Galv Hvy Tube P/E Full Length EN10255-10217/2  |
| PT2GHTP025   | 25mm Galv Hvy Tube P/E Full Length EN10255-10217/2  |
| PT2GHTP032   | 32mm Galv Hvy Tube P/E Full Length EN10255-10217/2  |
| PT2GHTP040   | 40mm Galv Hvy Tube P/E Full Length EN10255-10217/2  |
| PT2GHTP050   | 50mm Galv Hvy Tube P/E Full Length EN10255-10217/2  |
| PT2GHTP065   | 65mm Galv Hvy Tube P/E Full Length EN10255-10217/2  |
| PT2GHTP080   | 80mm Galv Hvy Tube P/E Full Length EN10255-10217/2  |
| PT2GHTP100   | 100mm Galv Hvy Tube P/E Full Length EN10255-10217/2 |
| PT2GHTP125   | 125mm Galv Hvy Tube P/E Full Length EN10255-10217/2 |
| PT2GHTP150   | 150mm Galv Hvy Tube P/E Full Length EN10255-10217/2 |
| Half Randoms |   |
| PT2GHTPHL008 | 8mm Galv Hvy Tube P/E Half Length EN10255-10217/2   |
| PT2GHTPHL010 | 10mm Galv Hvy Tube P/E Half Length EN10255-10217/2  |
| PT2GHTPHL015 | 15mm Galv Hvy Tube P/E Half Length EN10255-10217/2  |
| PT2GHTPHL020 | 20mm Galv Hvy Tube P/E Half Length EN10255-10217/2  |
| PT2GHTPHL025 | 25mm Galv Hvy Tube P/E Half Length EN10255-10217/2  |
| PT2GHTPHL032 | 32mm Galv Hvy Tube P/E Half Length EN10255-10217/2  |
| PT2GHTPHL040 | 40mm Galv Hvy Tube P/E Half Length EN10255-10217/2  |
| PT2GHTPHL050 | 50mm Galv Hvy Tube P/E Half Length EN10255-10217/2  |
| PT2GHTPHL065 | 65mm Galv Hvy Tube P/E Half Length EN10255-10217/2  |
| PT2GHTPHL080 | 80mm Galv Hvy Tube P/E Half Length EN10255-10217/2  |
| PT2GHTPHL100 | 100mm Galv Hvy Tube P/E Half Length EN10255-10217/2 |
| PT2GHTPHL125 | 125mm Galv Hvy Tube P/E Half Length EN10255-10217/2 |
| PT2GHTPHL150 | 150mm Galv Hvy Tube P/E Half Length EN10255-10217/2 |

## Galvanised Heavy Steel Tube - Screwed Ends - Tapered Thread



### Key Features:

- **Dual Certified to EN10255/10217-2 P235GH.**
- **CE Marked.**
- **In-house threading, enabling us to control quality and costs.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE         | Description   |
|--------------|---|
| Full Randoms |   |
| PT2GHTS008   | 8mm Galv Hvy Tube S/S Full Length EN10255-10217/2   |
| PT2GHTS010   | 10mm Galv Hvy Tube S/S Full Length EN10255-10217/2  |
| PT2GHTS015   | 15mm Galv Hvy Tube S/S Full Length EN10255-10217/2  |
| PT2GHTS020   | 20mm Galv Hvy Tube S/S Full Length EN10255-10217/2  |
| PT2GHTS025   | 25mm Galv Hvy Tube S/S Full Length EN10255-10217/2  |
| PT2GHTS032   | 32mm Galv Hvy Tube S/S Full Length EN10255-10217/2  |
| PT2GHTS040   | 40mm Galv Hvy Tube S/S Full Length EN10255-10217/2  |
| PT2GHTS050   | 50mm Galv Hvy Tube S/S Full Length EN10255-10217/2  |
| PT2GHTS065   | 65mm Galv Hvy Tube S/S Full Length EN10255-10217/2  |
| PT2GHTS080   | 80mm Galv Hvy Tube S/S Full Length EN10255-10217/2  |
| PT2GHTS100   | 100mm Galv Hvy Tube S/S Full Length EN10255-10217/2 |
| Half Randoms |   |
| PT2GHTSHL008 | 8mm Galv Hvy Tube S/S Half Length EN10255-10217/2   |
| PT2GHTSHL010 | 10mm Galv Hvy Tube S/S Half Length EN10255-10217/2  |
| PT2GHTSHL015 | 15mm Galv Hvy Tube S/S Half Length EN10255-10217/2  |
| PT2GHTSHL020 | 20mm Galv Hvy Tube S/S Half Length EN10255-10217/2  |
| PT2GHTSHL025 | 25mm Galv Hvy Tube S/S Half Length EN10255-10217/2  |
| PT2GHTSHL032 | 32mm Galv Hvy Tube S/S Half Length EN10255-10217/2  |
| PT2GHTSHL040 | 40mm Galv Hvy Tube S/S Half Length EN10255-10217/2  |
| PT2GHTSHL050 | 50mm Galv Hvy Tube S/S Half Length EN10255-10217/2  |
| PT2GHTSHL065 | 65mm Galv Hvy Tube S/S Half Length EN10255-10217/2  |
| PT2GHTSHL080 | 80mm Galv Hvy Tube S/S Half Length EN10255-10217/2  |
| PT2GHTSHL100 | 100mm Galv Hvy Tube S/S Half Length EN10255-10217/2 |

## Galvanised Heavy Steel Tube - Roll Grooved Ends - Victaulic Approved



### Key Features:

- **Dual Certified to EN10255/10217-2 P235GH.**
- **CE Marked.**
- **In-house Victaulic roll grooved end finish. Each end is quality checked with Victaulic groove depth measuring tapes. All Shawston operatives are fully trained by Victaulic.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE         | Description   |
|--------------|---|
| Full Randoms |   |
| PT2GHTG025   | 25mm Galv Hvy Tube Grd Full Length EN10255-10217/2  |
| PT2GHTG032   | 32mm Galv Hvy Tube Grd Full Length EN10255-10217/2  |
| PT2GHTG040   | 40mm Galv Hvy Tube Grd Full Length EN10255-10217/2  |
| PT2GHTG050   | 50mm Galv Hvy Tube Grd Full Length EN10255-10217/2  |
| PT2GHTG065   | 65mm Galv Hvy Tube Grd Full Length EN10255-10217/2  |
| PT2GHTG080   | 80mm Galv Hvy Tube Grd Full Length EN10255-10217/2  |
| PT2GHTG100   | 100mm Galv Hvy Tube Grd Full Length EN10255-10217/2 |
| PT2GHTG125   | 125mm Galv Hvy Tube Grd Full Length EN10255-10217/2 |
| PT2GHTG150   | 150mm Galv Hvy Tube Grd Full Length EN10255-10217/2 |
| Half Randoms |   |
| PT2GHTGHL025 | 25mm Galv Hvy Tube Grd Half Length EN10255-10217/2  |
| PT2GHTGHL032 | 32mm Galv Hvy Tube Grd Half Length EN10255-10217/2  |
| PT2GHTGHL040 | 40mm Galv Hvy Tube Grd Half Length EN10255-10217/2  |
| PT2GHTGHL050 | 50mm Galv Hvy Tube Grd Half Length EN10255-10217/2  |
| PT2GHTGHL065 | 65mm Galv Hvy Tube Grd Half Length EN10255-10217/2  |
| PT2GHTGHL080 | 80mm Galv Hvy Tube Grd Half Length EN10255-10217/2  |
| PT2GHTGHL100 | 100mm Galv Hvy Tube Grd Half Length EN10255-10217/2 |
| PT2GHTGHL125 | 125mm Galv Hvy Tube Grd Half Length EN10255-10217/2 |
| PT2GHTGHL150 | 150mm Galv Hvy Tube Grd Half Length EN10255-10217/2 |

## Galvanised Medium Steel Tube - Plain Ends



### Key Features:

- **Dual Certified to EN10255/10217.**
- **CE Marked.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE         | Description                         |
|--------------|-------------------------------------|
| Full Randoms |                                     |
| GMTP008      | 8mm Galv Med Tube P/E Full Length   |
| GMTP010      | 10mm Galv Med Tube P/E Full Length  |
| GMTP015      | 15mm Galv Med Tube P/E Full Length  |
| GMTP020      | 20mm Galv Med Tube P/E Full Length  |
| GMTP025      | 25mm Galv Med Tube P/E Full Length  |
| GMTP032      | 32mm Galv Med Tube P/E Full Length  |
| GMTP040      | 40mm Galv Med Tube P/E Full Length  |
| GMTP050      | 50mm Galv Med Tube P/E Full Length  |
| GMTP065      | 65mm Galv Med Tube P/E Full Length  |
| GMTP080      | 80mm Galv Med Tube P/E Full Length  |
| GMTP100      | 100mm Galv Med Tube P/E Full Length |
| GMTP125      | 125mm Galv Med Tube P/E Full Length |
| GMTP150      | 150mm Galv Med Tube P/E Full Length |
| Half Randoms |                                     |
| GMTPHL008    | 8mm Galv Med Tube P/E Half Length   |
| GMTPHL010    | 10mm Galv Med Tube P/E Half Length  |
| GMTPHL015    | 15mm Galv Med Tube P/E Half Length  |
| GMTPHL020    | 20mm Galv Med Tube P/E Half Length  |
| GMTPHL025    | 25mm Galv Med Tube P/E Half Length  |
| GMTPHL032    | 32mm Galv Med Tube P/E Half Length  |
| GMTPHL040    | 40mm Galv Med Tube P/E Half Length  |
| GMTPHL050    | 50mm Galv Med Tube P/E Half Length  |
| GMTPHL065    | 65mm Galv Med Tube P/E Half Length  |
| GMTPHL080    | 80mm Galv Med Tube P/E Half Length  |
| GMTPHL100    | 100mm Galv Med Tube P/E Half Length |
| GMTPHL125    | 125mm Galv Med Tube P/E Half Length |
| GMTPHL150    | 150mm Galv Med Tube P/E Half Length |



## Galvanised Medium Steel Tube - Screwed Ends - Tapered Thread



### Key Features:

- **Dual Certified to EN10255/10217.**
- **CE Marked.**
- **In-house threading, enabling us to control quality and costs.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE                                | Description                         |
|-------------------------------------|-------------------------------------|
| Full Randoms                        |                                     |
| GMTS008                             | 8mm Galv Med Tube S/S Full Length   |
| GMTS010                             | 10mm Galv Med Tube S/S Full Length  |
| GMTS015                             | 15mm Galv Med Tube S/S Full Length  |
| GMTS020                             | 20mm Galv Med Tube S/S Full Length  |
| GMTS025                             | 25mm Galv Med Tube S/S Full Length  |
| GMTS032                             | 32mm Galv Med Tube S/S Full Length  |
| GMTS040                             | 40mm Galv Med Tube S/S Full Length  |
| GMTS050                             | 50mm Galv Med Tube S/S Full Length  |
| GMTS065                             | 65mm Galv Med Tube S/S Full Length  |
| GMTS080                             | 80mm Galv Med Tube S/S Full Length  |
| GMTS100                             | 100mm Galv Med Tube S/S Full Length |
| Half Randoms - Screwed One End Only |                                     |
| GMTSHL008                           | 8mm Galv Med Tube SOE Half Length   |
| GMTSHL010                           | 10mm Galv Med Tube SOE Half Length  |
| GMTSHL015                           | 15mm Galv Med Tube SOE Half Length  |
| GMTSHL020                           | 20mm Galv Med Tube SOE Half Length  |
| GMTSHL025                           | 25mm Galv Med Tube SOE Half Length  |
| GMTSHL032                           | 32mm Galv Med Tube SOE Half Length  |
| GMTSHL040                           | 40mm Galv Med Tube SOE Half Length  |
| GMTSHL050                           | 50mm Galv Med Tube SOE Half Length  |
| GMTSHL065                           | 65mm Galv Med Tube SOE Half Length  |
| GMTSHL080                           | 80mm Galv Med Tube SOE Half Length  |
| GMTSHL100                           | 100mm Galv Med Tube SOE Half Length |

## Galvanised Medium Steel Tube - Roll Grooved Ends - Victaulic Approved



### Key Features:

- **Dual Certified to EN10255/10217.**
- **CE Marked.**
- **In-house Victaulic roll grooved end finish. Each end is quality checked with Victaulic groove depth measuring tapes. All Shawston operatives are fully trained by Victaulic.**
- **Each length has heat batch references, giving full traceability.**
- **Batch test certificates available upon request.**
- **Cut to specific length service available to +/- 1mm tolerances.**

| CODE         | Description                         |
|--------------|-------------------------------------|
| Full Randoms |                                     |
| GMTG025      | 20mm Galv Med Tube Grd Full Length  |
| GMTG032      | 32mm Galv Med Tube Grd Full Length  |
| GMTG040      | 40mm Galv Med Tube Grd Full Length  |
| GMTG050      | 50mm Galv Med Tube Grd Full Length  |
| GMTG065      | 65mm Galv Med Tube Grd Full Length  |
| GMTG080      | 80mm Galv Med Tube Grd Full Length  |
| GMTG100      | 100mm Galv Med Tube Grd Full Length |
| GMTG125      | 125mm Galv Med Tube Grd Full Length |
| GMTG150      | 150mm Galv Med Tube Grd Full Length |
| Half Randoms |                                     |
| GMTGHL025    | 25mm Galv Med Tube Grd Half Length  |
| GMTGHL032    | 32mm Galv Med Tube Grd Half Length  |
| GMTGHL040    | 40mm Galv Med Tube Grd Half Length  |
| GMTGHL050    | 50mm Galv Med Tube Grd Half Length  |
| GMTGHL065    | 65mm Galv Med Tube Grd Half Length  |
| GMTGHL080    | 80mm Galv Med Tube Grd Half Length  |
| GMTGHL100    | 100mm Galv Med Tube Grd Half Length |
| GMTGHL125    | 125mm Galv Med Tube Grd Half Length |
| GMTGHL150    | 150mm Galv Med Tube Grd Half Length |

## Sch20 API5L ERW Tube



### Key Features:

- **Finishes available in Self Colour, Varnished, Red Oxide & Galvanised.**
- **End finishes available are Plain End or Victaulic roll grooved.**
- **Cut to specific length service available to +/- 1mm tolerances.**
- **Bevelled Ends.**

| NOMINAL BORE (NB) |      | OUTSIDE DIAMETER (OD) | WALL THICKNESS | WEIGHT (KG/M) |
|-------------------|------|-----------------------|----------------|---------------|
| (Inch)            | (mm) | (mm)                  | (mm)           | Plain Ends    |
| 8                 | 200  | 219.1                 | 6.4            | 33.57         |
| 10                | 250  | 273.1                 | 6.4            | 42.09         |
| 12                | 300  | 323.9                 | 6.4            | 50.11         |
| 14                | 350  | 355.6                 | 7.9            | 67.74         |
| 16                | 400  | 406.4                 | 7.9            | 77.63         |

| CODE         | Description                            |
|--------------|--|
| Half Randoms |  |
| APIW20200HR  | 200mm Sch20 API5L ERW Tube Half Length |
| APIW20250HR  | 250mm Sch20 API5L ERW Tube Half Length |
| APIW20300HR  | 300mm Sch20 API5L ERW Tube Half Length |
| APIW20350HR  | 350mm Sch20 API5L ERW Tube Half Length |
| APIW20400HR  | 400mm Sch20 API5L ERW Tube Half Length |
| Full Randoms |  |
| APIW20200FL  | 200mm Sch20 API5L ERW Tube Full Length |
| APIW20250FL  | 250mm Sch20 API5L ERW Tube Full Length |
| APIW20300FL  | 300mm Sch20 API5L ERW Tube Full Length |
| APIW20350FL  | 350mm Sch20 API5L ERW Tube Full Length |
| APIW20400FL  | 400mm Sch20 API5L ERW Tube Full Length |

**LARGER SIZES AVAILABLE UPON REQUEST**

# www.shawston.co.uk

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