



fcsholdings.co.za

ADMIN@FCSHOLDINGS.CO.ZA

UPINGTON : 054 325 0994

De Drift Plaza, Louisvale Avenue, Olyvenhoudtsdrift, Utn, 8801

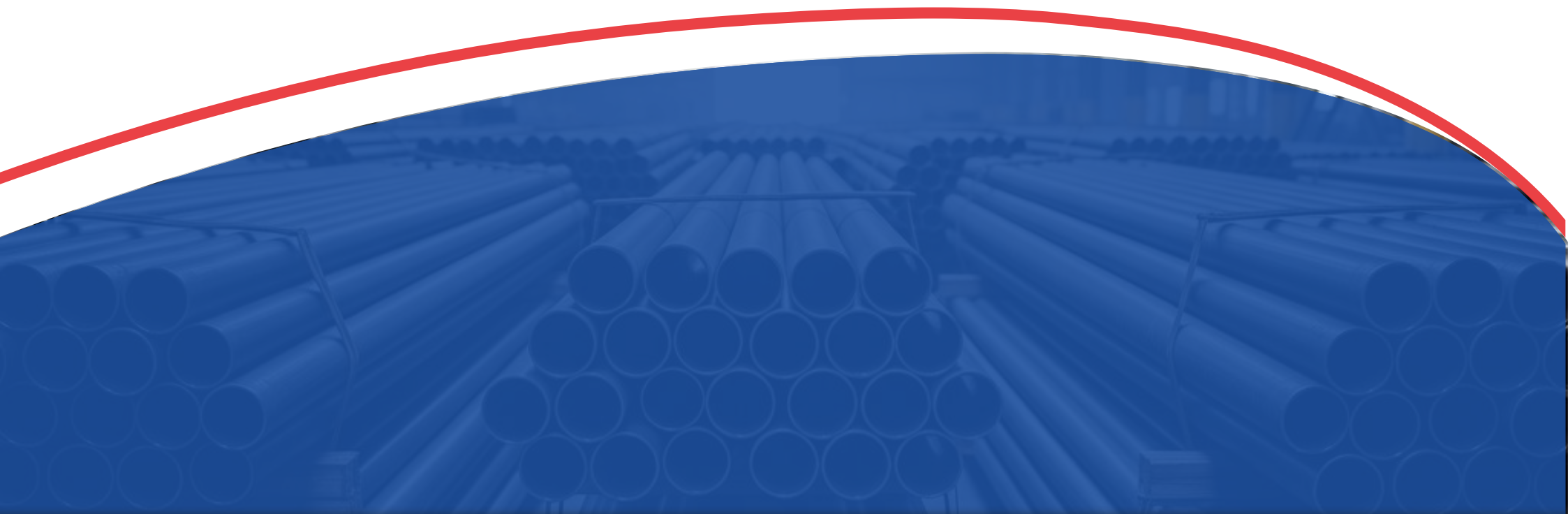
BLOEMFONTEIN : 051 492 1716

18 Mill Street, Hamilton, Bfn, 9301

GAUTENG : 010 824 7064

Unit 6, Pomona Junction,

C/O Bon Cretion Street & Constantia Road, Kempton Park, 1619



GALV MED STEEL TUBE



Medium steel tubes are typically made of carbon steel and are available with threaded or plain ends. The standard specifies dimensions, tolerances, and mechanical properties of the tubes.

Galvanized medium tubes are steel tubes, typically manufactured using cold-forming and high-frequency Electric Resistance Welding. These pipes are known for their strength, hardness, and tight dimensional tolerances.

After manufacturing of the medium steel tube, it gets coated with a layer of zinc to protect them from corrosion. The galvanizing process involves cleaning, pickling, fluxing, hot-dip galvanizing, and inspection. Specifications for these tubes are often based on standards like SABS 62, BS 1387 & EN 10255. These standards specify requirements for steel pipes, particularly those used in construction and engineering, and covers pipes with a zinc coating applied through a hot-dip galvanizing process.

Standards:

- **Material:** Typically low-carbon steel, chosen for its strength and malleability.
- **Size Range:** Medium tubes can range from 15mm to 150mm in diameter.
- **Standards:** Often manufactured to meet standards like SABS 62, BS 1387 & EN10255, which also specifies dimensions and mass.
- **Quality:** Inspected for zinc coating thickness, uniformity, and adhesion.

Galvanizing Process:

1. Surface Preparation:

- **Cleaning:** The steel tube is thoroughly cleaned to remove any rust, oil, grease, or other impurities. This often involves chemical cleaning and/or abrasive blasting.
- **Pickling:** The cleaned steel is dipped into a bath of diluted hot sulfuric acid to remove any remaining scale or oxides.
- **Fluxing:** A flux solution (typically zinc-ammonium chloride) is applied to further prepare the surface and promote zinc adhesion.

2. Hot-Dip Galvanizing:

- **Immersion:** The prepared steel tube is submerged in a bath of molten zinc at a high temperature (around 460°C or 860°F).
- **Metallurgical Bond:** This immersion process creates a metallurgical bond between the steel and the zinc, forming a protective coating.
- **Cooling:** After galvanizing, the tube is cooled.

3. Inspection:

- **Visual Inspection:** The galvanized tube is visually inspected for any defects in the coating.
- **Thickness Measurement:** The thickness of the zinc coating is measured to ensure it meets the required specifications.
- **Adhesion Testing:** The adhesion of the zinc coating to the steel is tested to ensure it is properly bonded.

4. Applications

- SABS 62, BS 1387 and EN 10255 tubes are used in a wide range of applications, including water, gas, and steam conveyance, as well as various construction and engineering projects.

Stock Code	Description	Category Unit of	Unit of Measure	Min. Wall Thk.	Mass Kg/M	Mass Kg/Len	Length mm
P008361	15MM GALV MED S & C STEEL TUBE 6.0M SANS62	28	LE	2.3	1,154	6,924	6000
P008362	20MM GALV MED S & C STEEL TUBE 6.0M SANS62	28	LE	2.3	1,489	8,934	6000
P008363	25MM GALV MED S & C STEEL TUBE 6.0M SANS62	28	LE	2.8	2,276	13,656	6000
P008364	32MM GALV MED S & C STEEL TUBE 6.0M SANS62	28	LE	2.8	2,91	17,46	6000
P008365	40MM GALV MED S & C STEEL TUBE 6.0M SANS62	28	LE	2.8	3,314	19,884	6000
P008366	50MM GALV MED S & C STEEL TUBE 6.0M SANS62	28	LE	3.2	4,714	28,284	6000
P008367	65MM GALV MED S & C STEEL TUBE 6.0M SANS62	28	LE	3.2	6,024	36,144	6000
P008368	80MM GALV MED S & C STEEL TUBE 6.0M SANS62	28	LE	3.5	7,679	46,074	6000
P008369	100MM GALV MED S & C STEEL TUBE 6.0M SANS62	28	LE	3.9	11,016	66,096	6000
P008370	125MM GALV MED S & C STEEL TUBE 6.0M SANS62	28	LE	4.2	14,523	87,138	6000
P008371	150MM GALV MED S & C STEEL TUBE 6.0M SANS62	28	LE	4.2	17,245	103,47	6000



fcsholdings.co.za