



Tube and Profile Manufacturers



Talk to us - we listen

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ISO 9001:2015
Management
System
www.tuv.com
ID: 9108649801



MORE THAN JUST A PIECE OF TUBE

Tubecon prides itself on being a very experienced manufacturer and supplier of cold formed hollow sections. Round, square and rectangular structural steel tubes are cold formed and supplied to the South African market in: mild steel, cold rolled steel, high tensile material, pre-galvanized material as well as in 3CR12 (Stainless Steel)

The table below indicates the tube type and the material used most often*

TUBE TYPE	MATERIAL
Hot Rolled	SAE1008
Hot Rolled	S355
Cold Rolled	SAE1010
Pre-Galvanized	Z275
Pre-Galvanized	Z450
Hot Rolled	3CR12
Cold Rolled	3CR12
High Strength Galvanized	Z275-S350

More High Strength steel available from Tubecon include:

TUBE TYPE
Domex
Supraform
Corten

Minimum order mass will apply to special steel orders.

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STOCK ITEMS

**TUBECON STRIVES TO STOCK THE MAJORITY OF ITEMS LISTED IN THIS BOOKLET
OTHER SIZES AND MATERIAL (e.g. CORTEN A, DOCOL) CAN BE PROCESSED ON REQUEST**

PRODUCTS	PAGE NO
HOT ROLLED, COLD ROLLED, PRE-GALVANISED AND 3CR12	
Round Tube	1-8
Square Tube	9-14
Rectangular Tube	15-24
LIP CHANNELS & OPEN CHANNELS	25-27
LIPPED ANGLES	28-30
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TALK TO US. WE LISTEN!

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Tubecon Africa's mission is to become the best supplier our customers have. This would imply that we advise on, supply and deliver products perfectly cut out for your application, on time and with no hassle. With over 40 years of experience in the steel tube manufacturing industry it is worth giving us a call.

Materials:

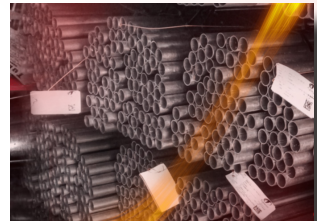
Materials used to roll profiles and tubes include:

- Z275 (Pre-Galvanized Material)
- 3CR12 (Corrosion Resistant Stainless Steel) **NEW**
- ZAM (Pre-Galvanized Material) **NEW**
- SAE1008, SAE1010
- S355
- SUPRAFORM 700
- Other Materials available on request



Products:

Tubecon can assist you by cutting material to size, with a tolerance of +/- 1mm – saving you time and money. Some of our key products are listed below:



1. TUBES

Can be cut and rolled (cold formed) to size

- **Hot Rolled (SANS 657-1:2005 / EN10219)**
 - Round Tube
 - Square Tube
 - Rectangular Tube
- **Cold Rolled (SANS 657-1:2005 / EN10219)**
 - Round Tube
 - Square Tube
 - Rectangular Tube
- **Big Bore**
 - Larger diameter than average tube in market
 - Can draw to square and rectangular tubes



- **Pre-Galvanized Tube**

- Round Tube
- Square Tube
- Rectangular Tube

- **Precision Drawn Tubes**

- Tolerances tighter than 0.01 are achievable



2. COLD FORMED OPEN SECTIONS

(BLACK OR GALVANIZED)

- **Lipped Channels**

- Rolled to Length
- Pin Marked
- Punched

- **Open Channels**

- Rolled to Length
- Pin Marked
- Punched



3. CUSTOMER SPECIFIC OPEN PROFILES

- Send us your drawing and we will manufacture it.
- 600mm Maximum Strip Width
- 6mm Wall Thickness

4. ANGLE IRON

- Up to 6mm thickness

5. WELDED PROFILES

- D-Section Profiles
- Ovals
- Triangles
- Special customer specific profiles



6. PIPES

- Water Pipes (SANS 62-1:2005)



Uncoated - Screwed with end caps; Medium Class

Uncoated - Plain ended; Medium Class

7. APPLICATION SPECIFIC TUBES

- Tubecon Lance
Lancing tubes; plain, flared ends or with wire packs
- Conveyor Tubes
SANS 657-3:2005
- Rigidized Tubes

8. CONDUIT AND CONDUIT ACCESSORIES (SANS 61386)

- Galvanized; Screwed with End Caps or Plain Ended
- Shallow Boxes: Galvanized; 20mm and 25mm
- Couplings: Galvanized; 20mm, 25mm, 32mm and 50mm
- Bends: Galvanized; 20mm, 25mm, 32mm and 50mm
- Male Adaptors: Galvanized; 20mm, 25mm, 32mm, 50mm
- Female Adaptors: Galvanized; 20mm, 25mm, 32mm
- Space Bar Saddles: Galvanized; 20mm, 25mm
- Saddles: Galvanized; 20mm, 25mm, 32mm, 50mm
- Box Lid: Galvanized

9. LASER CUTTING

Tube laser cutting

- Cuts round, square and rectangular input tubes
- Various wall thicknesses can be accommodated
- Materials that can be cut: Stainless steel, mild steel and aluminium tubes
- Mild steel and 3CR12 tubes to be cut can be rolled or supplied out of stock and cut at our manufacturing branch in Pretoria

Plate laser cutting

- Materials that can be cut: mild steel, hardox, bennox, 3CR12, stainless steel and other
- We can cut steel plate up to 40mm thick

10. ADDED SERVICES

- Bending, Cutting to size, Flaring, Swaging, Pressure testing, Threading, Punching.

11. DELIVERIES

Deliveries are made to the Pretoria surrounding areas as well as the East and the West Rand on a daily basis with Tubecon's own fleet within 24 hours. Deliveries to Durban and Bloemfontein areas are made numerous times per week with the understanding that the truck should be 6, 14 or 21 tons (various customers' orders will fill these trucks to make it feasible). Stocked products at our Cape Town Branch are also delivered the next day.

PRE-GALVANISED MATERIAL

ALUMINIUM-ZINC-MAGNESIUM COATED STEEL

4 times better than pre-galvanized steel

Tubecon has tested ZAM vs Pre galvanized material as well as ZAM vs Hot Dipped Galv Material. The results can be seen on our website: tubecon.co.za/products/aluminiumzincmagnesium

Advantages of AZM Steel

1. Superior corrosion resistance
2. Enhanced durability
3. Improved galvanic protection
4. Excellent barrier properties
5. Versatile applications
6. Lower life-cycle costs
7. Environmental sustainability

When it comes to corrosion resistance, durability, and long-term performance, AZM steel tubes and profiles from Tubecon outperforms Z275 pre-galvanized steel. Its unique composition, including aluminium, zinc, and magnesium, provides superior protection against corrosion in diverse environments. With its exceptional barrier properties and versatility, AZM steel is an excellent choice for various applications, offering lower life-cycle costs and contributing to environmental sustainability.



ADDED SERVICES

Cutting: Tubecon can reduce the pressure on your production time by doing the cutting for you, our cutting tolerance is +/- 1mm. Straight and mitre cuts can be done to the customer's specifications.

Rolled to length: Tubecon can roll round, square and rectangular tubes to customer's length specification. Saving costs on unnecessary off cuts.

Flaring: We also have another added service, thus enabling our customers to secure his own design, flaring for the lancing industry is done on a regular basis. Flaring can be done for applications other than the lancing industry.

Swaging: The leisure industry (Tent poles, gazebos etc) benefit with this added service as a one stop service is provided - the complete product can be delivered.

Pressure testing: Tubecon is equipped to pressure test to 100 Bar recognised by SABS standards.

Threading: Threading can be done on the outside of the tube starting from a wall thickness of 2.0mm and upwards, with an outside diameter of between 20 to 50mm. Threading on conduit tubing can be done from a wall thickness of 1.6 and an outside diameter of 20.0mm and upwards.

Engineering Services: Tubecon has in-house engineers which strives to accommodate custom engineering for special requirements.

WE MANUFACTURE:

Conduit
 Hot Rolled Round, Square & Rectangular
 Cold Rolled Round, Square & Rectangular
 Special Profiled Tubes
 Precision Tube
 Waterpipe (SANS 62-1: 2003)
 Lancing Tube
 Conveyor Tube
 Rigidised Items
 Components (Cutting, bending, flaring,
 swaging etc.)
 High strength tubing ($R_{0,2}$ up to 1000MPa)

Additional services offered by Tubecon:

Technical sales support
 Custom engineering for special requirements

Stock items delivered within 24 hours

Talk to us. We Listen!

	0
1/2	12,7
5/8	15,88
3/4	19,05
1	25,4
1 1/4	31,8
1 1/2	38,1
2	50,8
2 1/2	63,5
3	76,2
3 1/2	88,9
4	101,6
4 1/2	114,3
5	127,0
5 1/2	139,7
6	152,4
6 1/2	165,0