

# WELCOME TO **AVMY STEEL SCIENCE**

AVMY Steel Science provide reinforcing solutions to the building, civil, mining and engineering markets, including the supply, cut, bend, delivery and fixing of reinforcing steel. We are a leader in the supply of tubular products, light structural sections, reinforcing, fencing, rolled formed, roofing products cut and bends reinforcing steel and mesh products as well as a contract management. we provide reinforcing solution to the building, civil, mining and engineering markets, including the supply, cut, bend, delivery and fixing of reinforcing steel.

We also provide tubular and rolled formed products, light structural, reinforcing, fencing and wire products to construction sites, building, mining industries and factories.

## WHAT WE DO



### **Tubular Products**

We manufacture small-diameter, electric-resistance-welded carbon steel tubing to precise ASTM A513 standards.



### **Light Structural Sections**

The key to the success and rapid growth of light steel frame construction worldwide lies in a seamless interface.



### **Reinforcing and Wire Products**

We provides reinforcing solutions to the building, civil, mining and engineering markets, including supply, cut, bend and fixing of reinforcing steel.



### **Rolled Formed Products**

Delivering quality roll formed products to hundreds of industries including roll formed metal parts for furniture, partitions, displays, racks & storage



### **Wire Products**

AVMY Steel Science offers cut wire media for use in shot peening & abrasive blast applications, available as conditioned cut wire, triple conditioned cut wire shot & as-cut wire

**AVMY**

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# SERVICES

01

## Tubular Products

We Manufactures welded tubing, stainless steel pipe, stainless fittings, round, square and rectangular tubing.

02

## Light Structural Sections

Quality, cost efficiency and speed of erection for low-rise residential and non-residential buildings.

03

## Reinforcing and Wire Products

We provides reinforcing solutions to building, civil, mining, engineering markets, and fixing of reinforcing steel.

05

## Rolled Formed Products

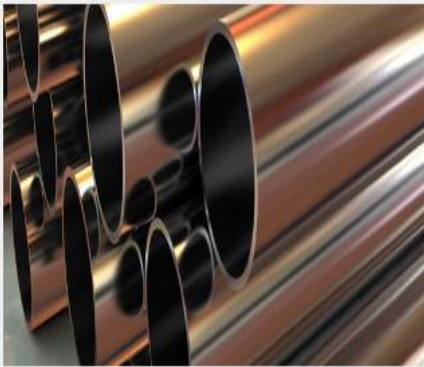
Delivering quality roll formed products to hundreds of industries including roll formed metal parts for furniture.

06

## Wire Products

Offers cut wire media for use in shot peening & abrasive blast applications, triple conditioned cut wire shot & as-cut wire.

## TUBULAR PRODUCTS



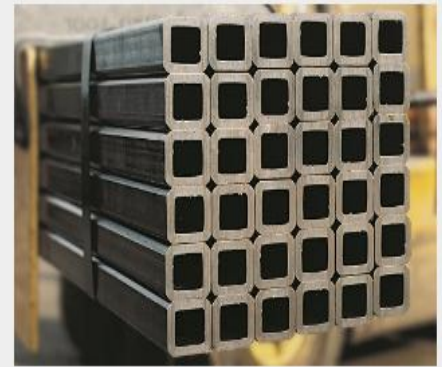
### Hot Rolled Tube Round

Hot rolling involves the production of sheet metal from billets by passing the steel through rollers while above its recrystallization temperature to desired physical dimensions.



### Hot Rolled Tube Rectangular

Hot Rolled Steel Rectangular Bar is also referred to as Hot Rolled Flat Bar. It is measured by first taking its thickness and then its width. Hot Rolled Steel Rectangular Bar is a commonly used metal across many industries.



### Hot Rolled Tube Square

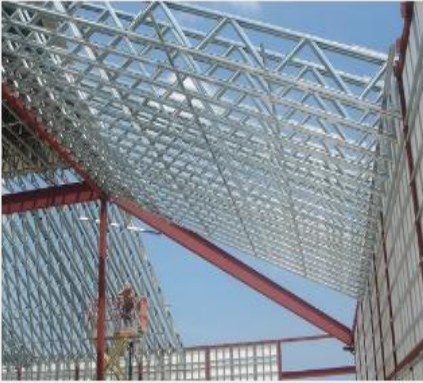
Hot Rolled Steel Square Bar is a common bar stock with many applications. It is measured by taking its thickness or its width which are the same. It is characterized by its radius comers, as opposed to Cold Rolled Square Bar, which has sharper comers.

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# LIGHT STRUCTURAL



## Equal Angles

Angle is an L-shaped product when lying on one of its two sides. Generally, angles are used as structural elements or in repairs and fabrication. It is one of the most commonly used shapes, and



## Channel Joists

Metal Channels are specifically shaped for industrial and structural purposes. Channels are also widely used for repairs of machinery, buildings and heavy vehicles.



## Flat Bar

Flat bar is available in Aluminium, Stainless Steel, Hot Rolled and more. Hot Rolled Flat Bar can be used in situations where precise shapes and tolerances are not required.

# REINFORCING PRODUCTS



## Construction Services

We provide reinforcing solutions to the building, civil, mining and engineering markets, including the supply, cut, bend, delivery and fixing of reinforcing steel



## Mesh and Wire Products

Our high quality welded mesh panels are made by arranging wire in parallel fashion in two orthogonal directions with the points of contact between the wires being welded by electrical welding process also known as spot welding.



## Reinforcing Steel Products

AVMY Steel Science has grown to become a market leader in contract management and is one of the largest suppliers of reinforcing steel and welded mesh in the Southern African region

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# ROLLED FORMED



## Roll forming

Roll forming, roll bending or plate rolling is a continuous bending operation in which a long strip of metal (typically coiled steel) is passed through consecutive sets of rolls, or stands, each performing only an incremental part of the bend, until the desired cross-section profile is obtained.



## Flat rolling

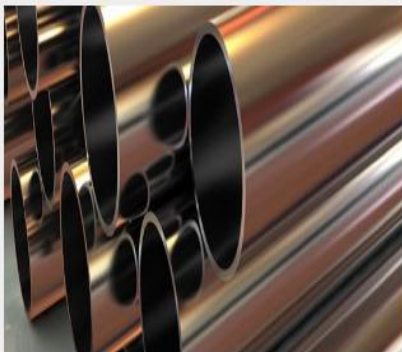
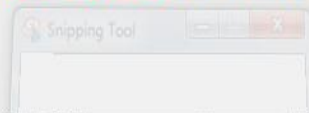
Flat rolling is the most basic form of rolling with the starting and ending material having a rectangular cross-section. The material is fed in between two rollers, called working rolls, that rotate in opposite directions.



## Ring Rolling

Ring rolling is a specialized type of hot rolling that increases the diameter of a ring. The starting material is a thick-walled ring. This work piece is placed between two rolls, an inner idler roll and a driven roll, which presses the ring from the outside.

# SERVICES OVERVIEW



## Tubular Products

We maintain the nation's largest and most diversified inventory of ornamental stainless tubing, including round and rectangular tubing.



## Reinforcing

We provides reinforcing solutions to the building, civil, mining and engineering markets, including supply, cut, bend and fixing of reinforcing steel.



## Light Structural Sections

The key to the success and rapid growth of light steel frame construction worldwide lies in a seamless interface.

# ARMY

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## Rolled Formed

Delivering quality roll formed products to hundreds of industries including roll formed metal parts for furniture, partitions, displays, racks & storage.



## Wire Products

We offers cut wire media for use in shot peening & abrasive blast applications, available as conditioned cut wire, Triple Conditioned Cut Wire Shot & as-cut wire.



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# MAIN SERVICES

## Tubular Products

- Rolled Tube Round
- Rolled Tube Rectangular
- Rolled Tube Square
- Stainless steel pipe
- Stainless fittings

## Light Structural

- Equal and Unequal Angles
- Channel Joists
- Flat Bar
- Rolled Sheets

## Reinforcing

- Welded Wire Reinforcement
- Concrete Pipe Reinforcement
- Engineered structural mesh
- Concrete pipe reinforcement

## Rolled Formed

- Ring rolling
- Roll bending
- Roll forming
- Profile rolling
- Controlled rolling

## CONTACT US

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