



TARMAL

THE STEEL PEOPLE



Steel Mills | Wire Mills | Tube Mills

www.tarmalsteel.com

Reinforcing **Kenya**



POWER STEEL®

FARASI®

ABOUT US



Company Overview

What started has a humble beginning 30 years ago as a hardware shop in Mombasa has evolved into a company with an annual capacity of 100,000 metric tonnes, making it one of the leading manufacturers of steel, wire and allied products in East Africa.

We have invested in the state-of-art technology; this includes fully automated STEEL ROLLING MILL, TUBE MILL and a complete WIRE MILL. Our Mills boast high production capacities allowing us to provide the best quality products at affordable prices. Our brands POWERSTEEL and FARASI WIRE have become a benchmark for quality and a beacon of trust in the steel industry.

At TARMAL, we believe customer satisfaction spells our success and with our dynamic team of professionals, we are constantly upgrading our systems to provide cutting edge products that meet international standards.

Our Approach

Be the leading manufacturer and supplier of quality building steel and allied products in East and Central Africa. At the same time, we strive to provide organized, timely and customer focused service at a competitive price.

Manufacturing quality products that exceed KEBS standards and customer expectations has made our products the number one choice by all major contractors, engineers and construction companies.

Our efficient supply chain solutions and extensive distribution networks in Mombasa, Nairobi and Kisumu ensures continuous availability of our products in urban and rural areas; contributing to the economic well being of the country.

POWER STEEL® TMT



Why POWER STEEL TMT?

Power Steel TMT is the new generation of high strength ribbed reinforcement bar. It is different from ordinary bars in its method of manufacturing and consequently, in its combination of properties. Reinforced cement concrete has become the most easy and effective constructive material of modern times. The benefits of this material lies in two aspects - first, the ability of cement-concrete to take the desired shape and secondly, the ability of **Power Steel TMT** to resist all kinds of forces acting upon a building.

Steel rebars provide basic strength to any structure and unlike tiles, fittings, paints and other items, steel rebars once used can never be replaced. Therefore it is important to use quality **Power Steel TMT** for your construction.

The POWER STEEL TMT Technology

Power Steel TMT bars are manufactured under a process known as thermo mechanical treatment, which consists of three main stages:

- 1. Quenching:** The steel bars are passed through a specially designed water-cooling system whereby the outer surface of the bars becomes cold and hardens while the core remains hot and austenitic.
- 2. Self Tempering:** When the bar leaves the quenching box, the core remains hot compared to the surface. This allows heat to flow from the core to the surface, causing tempering of the outer martensitic layer into a structure called Tempered Martensitic.
- 3. Atmospheric Cooling:** This is a natural process that takes place on the cooling bed where the austenitic core is transformed into a ductile ferrite-pearlite structure. Therefore the final structure consists of an optimum combination of a strong outer layer with a ductile core.

POWER STEEL® TMT



Value For Money

Innovation has evolved our product to have the following features:



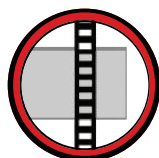
Strength and Bendability: Tempered outer layer of the bar and ductile core enable higher strength and ductile core results in superior bending properties.



Corrosion resistant: Thermal mechanical treatment of TMT evades torsion stresses in bars, resulting in superior corrosion resistant characteristics, in contact with water or otherwise.



Welding Strength: In comparison to conventional twisted bars, TMT bars are superior. They can be butt-welded or lap welded.



Rib pattern and bond strength: Steel and concrete are two different materials, however they have to behave as a single unit in construction. The unique rib pattern of TMT rebars facilitates to maximize this bond strength.

POWER STEEL® TMT

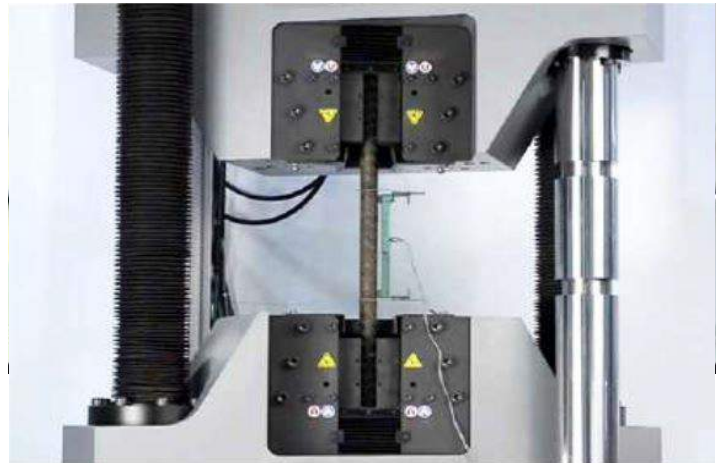
Commitment To Quality

Power Steel TMT bars are produced in state-of-the-art plants under close supervision of our frontline metallurgists and engineers. In addition to skilled manpower, we have installed an in-house lab equipped with German testing machines to ensure consistent standards of quality.

Fully computerised universal tensile machine, which not only has high accuracy of tensile bend and rebend test but also directly prints stress and strain curve of the specimen.

German technology spectrometer, which gives instant results that allow us to fully control the composition of 18 elements in the final product.

In-house laboratory furnace, where actual production simulations are carried out that facilitate actual working conditions, testing and analysis.



POWER STEEL® TMT

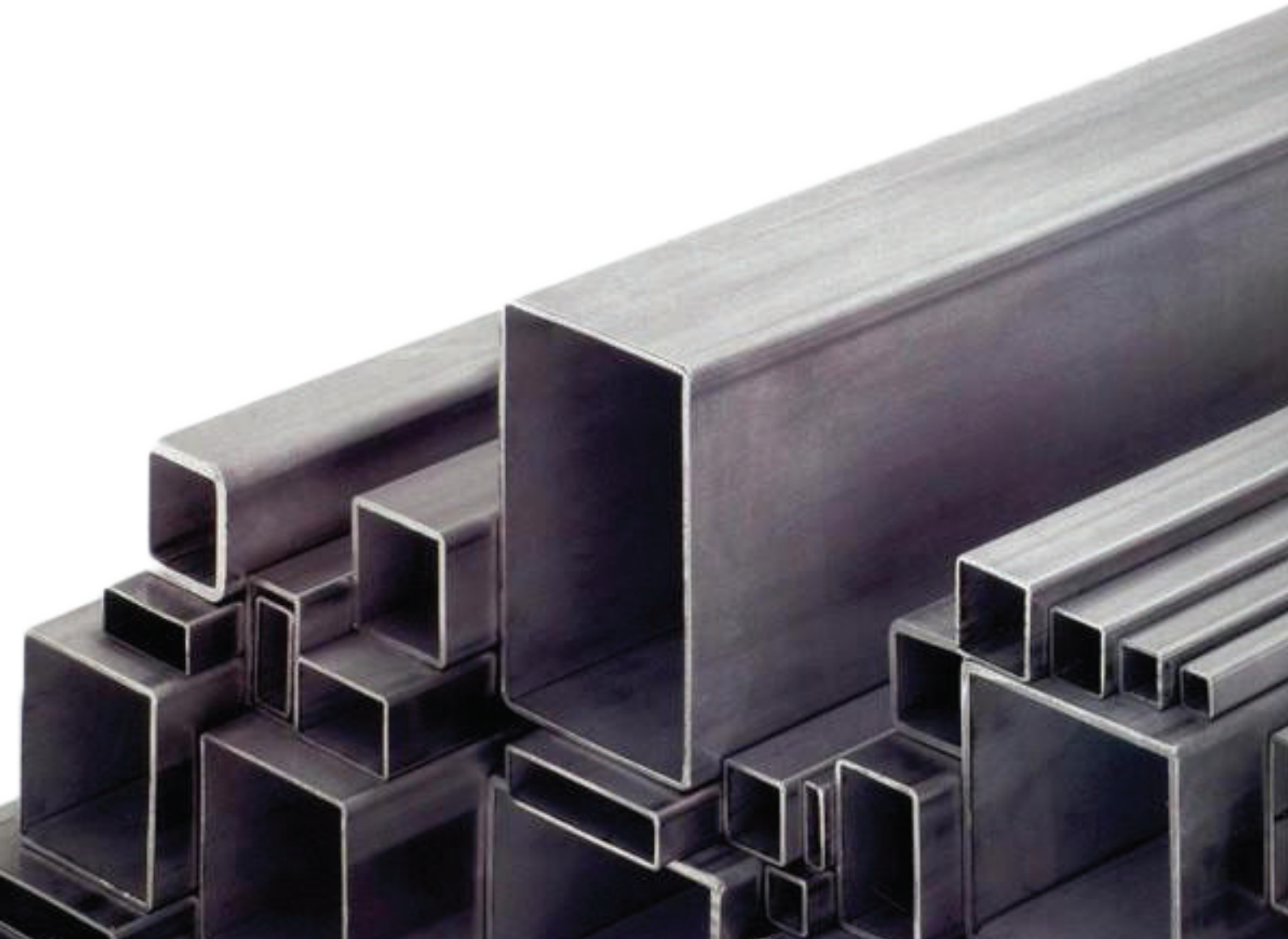
POWER STEEL TMT (Deform Bars)

POWER STEEL TMT 500

DIAMETER (MM)	WEIGHT (KG)
TMT 8	4.74
TMT 10	7.39
TMT 12	10.66
TMT 16	18.95
TMT 20	29.59
TMT 25	46.25
TMT 32	75.76
R8	4.74
R10	7.39
R12	10.66
R16	18.95
R20	29.59
R25	46.25
S10	7.39
S12	10.66
S16	18.95

HOLLOW SECTION

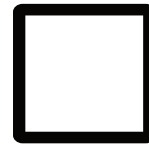
Our Tube Division boasts a complete range of products and has grown to become a major player in this market across East Africa. Our Tube mills have an installed capacity of 40,000 metric tonnes per annum hence we are able to provide quality finished tubes at affordable prices.



HOLLOW SECTION

SQUARE TUBES

Square Size: 16mm x 16mm to 100mm x 100mm
Thickness: 1mm to 4mm | Length: 6m



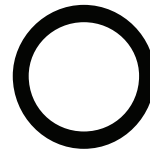
RECTANGULAR TUBES

Size: 40mm x 25mm to 150mm x 50mm
Thickness: 1mm to 4mm | Length: 6m



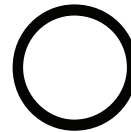
BLACK PIPE

Size: 1/2 inch to 4 inch
Thickness: Class A and Class B | Length: 6m



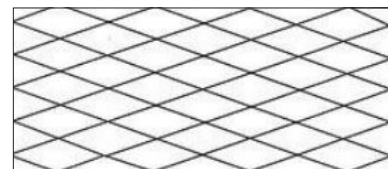
FURNITURE PIPE

Size: 16mm to 75mm
Thickness: 1mm to 2mm | Length: 6m



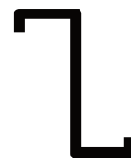
EXPANDED MESH

Size: 8ft by 4ft
Pitch: 1/2 inch to 1 inch
Material: Mild Steel / Aluminium



Z-PURLIN

Size: 4x2x2 to 8x2x2.5
Thickness: 2mm | Length: 6m



HOOP IRON

Weight: 20kg to 25kg per roll



FARASI[®] WIRE

Tarmal started its entire production facility from the manufacture of wire nails. Quickly it out grew competitors to establish a complete wire mill that includes products like Wire Mesh, BRC, Wire Rods, Nails and Binding Wire. In addition to the Wire Mill, Tarmal also produces a wide range of fencing products such as Chain-Link, Barbed Wire and Razor Wire.



FARASI® WIRE

FARASI NAILS

Nails 3/4"

Nails 1"

Nails 1 1/2"

Nails 2"

Nails 2 1/2"

Nails 3"

Nails 4"

Nails 5"

Nails 6"

Ceiling Nails 1"

Ceiling Nails 1 1/2"

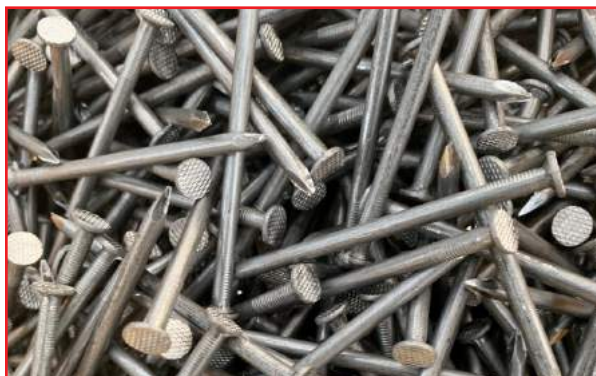
U Nails 1"

U Nails 1 1/2"

Panel Pins 1"

Panel Pins 1 1/2"

Panel Pins 2"



FARASI BRC

BRC A610

BRC A66

BRC A65

BRC A98

BRC A142

BRC A98 RIBBED

BRC A142 RIBBED

Size: 48M X 2.1M



FARASI WELDMESH

50X50X3MM

50X50X4MM

75X75X2.5MM

75X75X3MM

75X75X3.5MM

75X75X4MM

Size: 8ft X 4ft



FARASI WIRE RODS

Wire Rods 5.5MM

Wire Rods 6.5MM

Wire Rods 7.0MM

Wire Rods 8.0MM

Wire Rods 10.0MM

Length: 12m



FARASI[®] WIRE

FARASI BARBED WIRE

Barbed Wire 12 1/2 g x 20Kg

Barbed Wire 12 1/2 g x 25Kg

Barbed Wire 16g x 20Kg

Barbed Wire 16g x 25Kg



FARASI RAZOR WIRE

Razor Wire 18"

Razor Wire 24"

Razor Wire 29"

Razor Wire 39"



FARASI CHAINLINK

Chainlink 4 ft

Chainlink 5 ft

Chainlink 6 ft

Chainlink 7 ft

Chainlink 8 ft

Available in Light Gauge/

Heavy Gauge/PVC Coated Wire



FARASI GALVANIZED WIRE

Galvanised Wire 8g X 50kg

Galvanised Wire 10g X 50kg

Galvanised Wire 12.5g X 50kg

Galvanised Wire 14g X 50kg

Galvanised Wire 16g X 50kg

Galvanised Wire 22g X 25kg

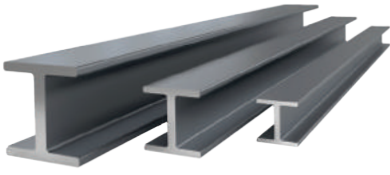


STRUCTURAL STEEL

A wide range of structural steel options allow us to serve diverse clients, be it distributors to highly reputed contractors and engineers who develop multi-story buildings, bridges and dams. The trust, reliability and reputation of our products motivate engineers and contractors to pursue their large challenging projects with confidence.

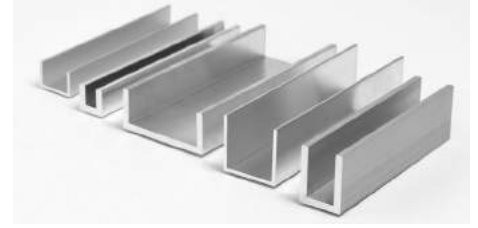


STRUCTURAL STEEL



I-BEAMS

Column Beams: 152mm x 152mm to 305mm x 305mm
Beams: 203mm x 133mm to 533mm x 210mm
IPE Beams: 100mm to 200mm



U-CHANNELS

Size: 80mm x 45mm to 300mm x 90mm
Length: 6m/12m



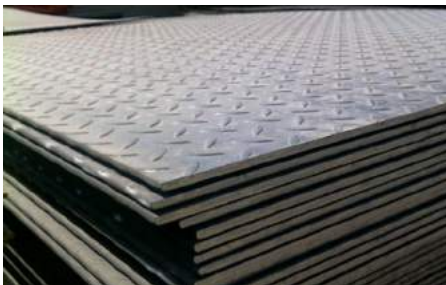
ANGLES

Size: 25mm x 25mm to 100mm x 100mm
Thickness: 3mm-6mm



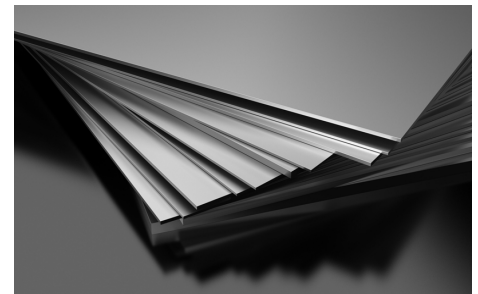
FLAT BAR

Size: 20mm x 3mm to 50mm x 6mm
Length: 6m



CHEQUERED PLATES

Size: 8ft by 4ft | Thickness: 1.6mm to 6mm



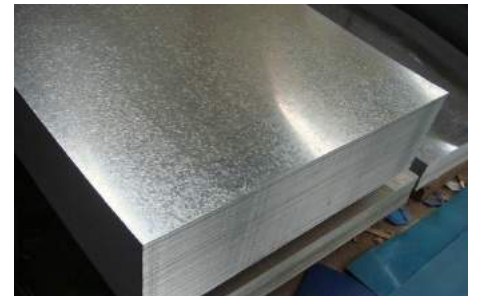
ALUMINIUM PLATES

Size: 8ft by 4ft | Thickness: 0.4mm to 2mm



MILD STEEL PLATES

Size: 8ft by 4ft | Thickness: 1mm to 25mm



GALVANIZED PLATES

Size: 8ft by 4ft | Thickness: 0.25mm to 2mm

PRODUCTS LIST (A-Z)

A-E

F-M

N-S

T-Z

ALUMINIUM SHEETS	Aluminium Expanded Mesh 1/2"	NAILS	Square Tubes 50 X 50 X 1.2mm
Aluminium Sheets 8x4x0.5mm	Aluminium Expanded Mesh 3/4"	Nails 3/4"	Square Tubes 50 X 50 X 1.5mm
Aluminium Sheets 8x4x0.8mm	FLAT BARS	Nails 1"	Square Tubes 50 X 50 X 2.0mm
Aluminium Sheets 8x4x1.0mm	Flat bars 20 X 3mm	Nails 1 1/2"	Square Tubes 50 X 50 X 3.0mm
Aluminium Sheets 8x4x1.2mm	Flat Bars 25 X 3mm	Nails 2"	Square Tubes 50 X 50 X 4.0mm
Aluminium Sheets 8x4x1.5mm	Flat bars 40 X 3mm	Nails 2 1/2"	Square Tubes 75 X 75 X 2.5mm
Aluminium Sheets 8x4x2.0mm	Flat bars 50 X 3mm	Nails 3"	Square Tubes 75 X 75 X 4.0mm
Aluminium Chequered Plates 0.9mm	Flat bars 20 X 4mm	Nails 4"	Square Tubes 100 X 100 X 2.5mm
ANGLES	Flat bars 25 X 4mm	Nails 5"	Square Tubes 100 X 100 X 3.0mm
Angles 20 X 20 X 3mm	Flat bars 40 X 4mm	Nails 6"	Square Tubes 100 X 100 X 4.0mm
Angles 20 X 20 X 4mm	Flat bars 50 X 4mm	Ceiling Nails 1"	TRADING ITEMS
Angles 25 X 25 X 3mm	Flat Bars 20 X 6mm	Ceiling Nails 1 1/2"	Gabion Boxes 2m x 1m x 1m
Angles 25 X 25 X 4mm	Flat bars 25 X 6mm	U Nails 1"	Chicken Wire 3ft x 1/2"
Angles 25 X 25 X 6mm	Flat bars 40 X 6mm	U Nails 1 1/2"	Chicken Wire 3ft x 1"
Angles 30 X 30 X 3mm	Flat bars 50 X 6mm	Panel Nails 1"	Chicken Wire 3ft x 1 1/2"
Angles 30 X 30 X 4mm	FURNITURE PIPES	Panel Nails 1 1/2"	Chicken Wire 6ft x 1/2"
Angles 30 X 30 X 6mm	Furniture Pipes 20 X 1.0 MM	Panel Nails 2"	Chicken Wire 6ft x 1"
Angles 40 X 40 X 3mm	Furniture Pipes 20 X 1.2 MM	POWER STEEL TMT BARS	Chicken Wire 6ft x 1 1/2"
Angles 40 X 40 X 4mm	Furniture Pipes 20 X 1.5 MM	TMT Bars 8	Door Hinge Bush 1/2"
Angles 40 X 40 X 6mm	Furniture Pipes 25 X 1.0 MM	TMT Bars 10	Door Hinge Bush 3/4"
Angles 50 X 50 X 3mm	Furniture Pipes 25 X 1.2 MM	TMT Bars 12	Door Hinge Bush 1"
Angles 50 X 50 X 4mm	Furniture Pipes 25 X 1.5 MM	TMT Bars 16	Door Hinge Bush 1 1/4"
Angles 75 X 20 X 6mm	Furniture Pipes 32 X 1.0 MM	TMT Bars 20	Door Hinge Bush 1 1/2"
Angles 75 X 25 X 8mm	Furniture Pipes 32 X 1.2 MM	TMT Bars 25	Door Hinge Bush 1 3/4"
Angles 100X 100 X 6mm	Furniture Pipes 32 X 1.5 MM	TMT Bars 32	Door Hinge Bush 2"
BABRED WIRE	Furniture Pipes 38 X 1.0 MM	Square Bars 10	Coffee Tray Wire
Barbed Wire 12 1/2g x 20Kg	Furniture Pipes 38 X 1.2 MM	Square Bars 12	Polycarbonate Sheets
Barbed Wire 12 1/2g x 25Kg	Furniture Pipes 38 X 1.5 MM	Square Bars 16	U/CHANNELS
Barbed Wire 16g x 20Kg	Furniture Pipes 42 X 1.0 MM	Square Bars 20	U/Channels 80 x 45
Barbed Wire 16g x 20Kg	Furniture Pipes 42 X 1.2 MM	Square Bars 25	U/Channels 100 x 50
BINDING WIRE	Furniture Pipes 42 X 1.5 MM	Round Bars 8	U/Channels 127 x 64
Binding Wire 25Kg	Furniture Pipes 48 X 1.0 MM	Round Bars 10	U/Channels 152 x 76
BLACK PIPES	Furniture Pipes 48 X 1.2 MM	Round Bars 12	U/Channels 200 x 75
Black Pipes 1/2 A	Furniture Pipes 48 X 1.5 MM	Round Bars 16	U/Channels 220 x 77
Black Pipes 3/4 A	Furniture Pipes 60 X 1.0 MM	Round Bars 20	U/Channels 260 x 75
Black Pipes 1 A	Furniture Pipes 60 X 1.2 MM	Round Bars 25	U/Channels 300 x 87
Black Pipes 1 1/4 A	Furniture Pipes 60 X 1.5 MM	RAZOR WIRE	WELDMESH
Black Pipes 1 1/2 A	Furniture Pipes 75 X 1.5 MM	Razor Wire 18"	50 x 50 x 3mm
Black Pipes 2 A	Furniture Pipes 75 X 2.0 MM	Razor Wire 24"	50 x 50 x 4mm
Black Pipes 2 1/2 A	GALVANIZED PLATE	Razor Wire 29"	75 x 75 x 2.5mm
Black Pipes 3 A	Galvanized Plate 20g	Razor Wire 39"	75 x 75 x 3mm
Black Pipes 4 A	Galvanized Plate 18g	RECTANGULAR TUBES	75 x 75 x 3.5mm
Black Pipes 1/2 B	Galvanized Plate 16g	Rec Tubes 40 X 25 X 1.0mm	75 x 75 x 4mm
Black Pipes 3/4 B	Galvanized Plate 14g	Rec Tubes 40 X 25 X 1.2mm	BEDMESH Available
Black Pipes 1 B	GALVANIZED WIRE	Rec Tubes 40 X 25 X 1.5mm	WIRE RODS
Black Pipes 1 1/4 B	Galvanized Wire 8g x 50Kg	Rec Tubes 40 X 25 X 2.0mm	Wire Rods 5.5mm
Black Pipes 1 1/2 B	Galvanized Wire 10g x 50Kg	Rec Tubes 40 X 25 X 3.0mm	Wire Rods 6.5mm
Black Pipes 2 B	Galvanized Wire 12g x 50Kg	Rec Tubes 50 X 25 X 1.0mm	Wire Rods 7.0mm
Black Pipes 2 1/2 B	Galvanized Wire 14g x 50Kg	Rec Tubes 50 X 25 X 1.2mm	Wire Rods 8.0mm
Black Pipes 3 B	Galvanized Wire 16g x 50Kg	Rec Tubes 50 X 25 X 1.5mm	Wire Rods 10.0mm
Black Pipes 4 B	HOOP IRON / WALL PASS	Rec Tubes 50 X 25 X 2.0mm	ZED PURLIN
BRC	20Kg to 25Kg Per Roll	Rec Tubes 50 X 25 X 3.0mm	Zed Purlin 4 x 2 x 2
BRC A610	I-BEAMS	Rec Tubes 75 X 50 X 2.0mm	Zed Purlin 5 x 2 x 2
BRC A66	100 X 55 X 8.1Kg/m	Rec Tubes 75 X 50 X 3.0mm	Zed Purlin 6 x 2 x 2
BRC A65	120 X 64 X 10.1Kg/m	Rec Tubes 75 X 50 X 4.0mm	Zed Purlin 7 x 2 x 2
BRC A98	152 X 152 X 23Kg/m	Rec Tubes 100 X 50 X 2.5mm	Zed Purlin 8 x 2 x 2
BRC A142	203 X 133 X 25Kg/m	Rec Tubes 100 X 50 X 3.0mm	Zed Purlin 6 x 2 x 2.5
BRC A98 RIBBED	203 X 203 X 46Kg/m	Rec Tubes 100 X 50 X 4.0mm	Zed Purlin 7 x 2 x 2.5
BRC A142 RIBBED	254 X 146 X 31Kg/m	Rec Tubes 150 X 50 X 2.5mm	Zed Purlin 8 x 2 x 2.5
CHAINLINK / PVC COATED	254 X 254 X 73Kg/m	Rec Tubes 150 X 50 X 3.0mm	Zed Purlin 8 x 2 x 2.5
Chainlink 4ft	305 X 102 X 25Kg/m	Rec Tubes 150 X 50 X 4.0mm	Zed Purlin 8 x 2 x 2.5
Chainlink 5ft	305 X 165 X 40Kg/m	SQUARE TUBES	
Chainlink 6ft	305 X 305 X 96.1Kg/m	Square Tubes 20 X 20 X 1.0mm	
Chainlink 7ft	356 X 171 X 45Kg/m	Square Tubes 20 X 20 X 1.2mm	
Chainlink 8ft	406 X 178 X 74Kg/m	Square Tubes 20 X 20 X 1.5mm	
CHEQUERED PLATES	457 X 191 X 67Kg/m	Square Tubes 20 X 20 X 2.0mm	
Chequered Plates 1.6mm	533 X 210 X 82.1Kg/m	Square Tubes 25 X 25 X 1.0mm	
Chequered Plates 2.3mm	533 X 210 X 92Kg/m	Square Tubes 25 X 25 X 1.2mm	
Chequered Plates 2.8mm	MILD STEEL PLATES	Square Tubes 25 X 25 X 1.5mm	
Chequered Plates 3.8mm	Mild Steel Plates 1.0mm	Square Tubes 25 X 25 X 2.0mm	
Chequered Plates 5.8mm	Mild Steel Plates 1.2mm	Square Tubes 25 X 25 X 3.0mm	
EXPANDED MESH	Mild Steel Plates 1.5mm	Square Tubes 30 X 30 X 1.0mm	
Expanded Mesh 1/2" Light	Mild Steel Plates 2.0mm	Square Tubes 30 X 30 X 1.2mm	
Expanded Mesh 1/2" Medium	Mild Steel Plates 2.5mm	Square Tubes 30 X 30 X 1.5mm	
Expanded Mesh 1/2" Heavy	Mild Steel Plates 3.0mm	Square Tubes 30 X 30 X 2.0mm	
Expanded Mesh 3/4" Light	Mild Steel Plates 4.0mm	Square Tubes 30 X 30 X 3.0mm	
Expanded Mesh 3/4" Medium	Mild Steel Plates 6.0mm	Square Tubes 40 X 40 X 1.0mm	
Expanded Mesh 3/4" Heavy	Mild Steel Plates 8.0mm	Square Tubes 40 X 40 X 1.2mm	
Expanded Mesh 1" Light	Mild Steel Plates 10mm	Square Tubes 40 X 40 X 1.5mm	
Expanded Mesh 1" Medium	Mild Steel Plates 12mm	Square Tubes 40 X 40 X 2.0mm	
Expanded Mesh 1" Heavy	Mild Steel Plates 16mm	Square Tubes 40 X 40 X 3.0mm	
Expanded Mesh Hexagonal Light	Mild Steel Plates 20mm	Square Tubes 40 X 40 X 4.0mm	
Expanded Mesh Hexagonal Heavy	Mild Steel Plates 25mm	Square Tubes 50 X 50 X 1.0mm	



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