



PRODUCT CATALOGUE

AFRICA'S MOST DIVERSIFIED & INTERGRATED STEEL COMPANY



SCAN ME



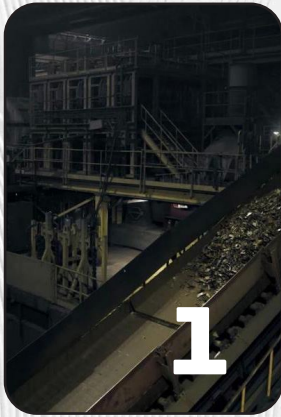
0800-318-318

Contact Us

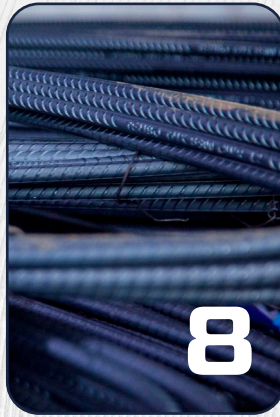
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Our Journey



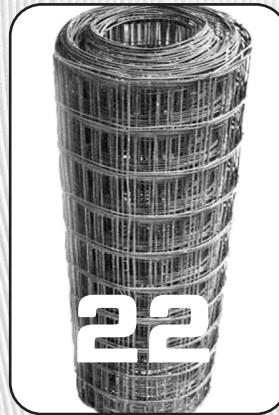
TMX Rebars



Wire Rods



Wire Nails



BRC

ABOUT TEMBO STEELS



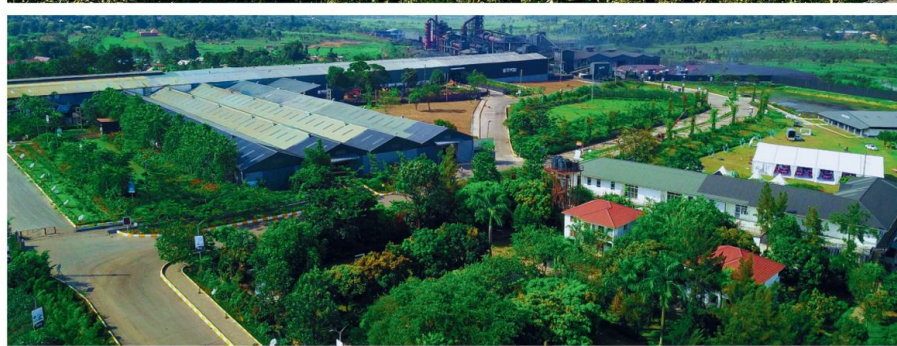
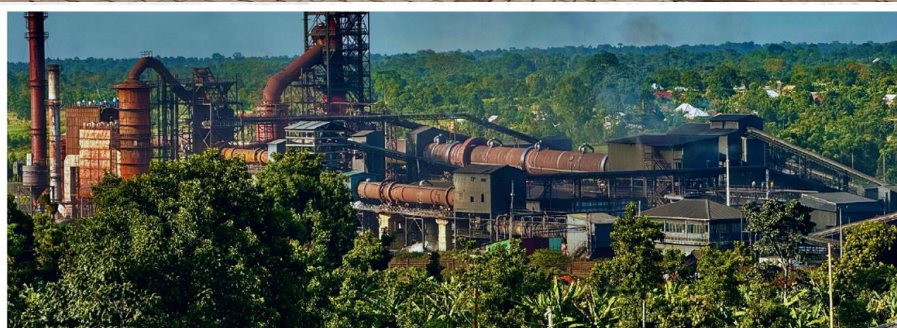
Over the past two years, we've witnessed remarkable growth in steel markets, but now, a downturn is prompting a significant shift in how we operate. Our new vision is centered on creating value through several key areas. First, we're focusing on process streamlining to eliminate inefficiencies. Additionally, operational efficiency is paramount; we want to maximise output while minimizing waste. We're committed to sustainable innovation, ensuring our practices not only meet today's demands but also protect our planet for future generations. Lastly, enhancing our human resources is critical; investing in our people means investing in our future.

By embracing these changes, we aim to be resilient and forward-looking, transforming challenges

into opportunities while upholding our dedication to both economic and environmental sustainability. Together, we can navigate this new landscape effectively.

Led by our Chairman Mr. Sanjay Awasthi, Tembo Steels produces economical and efficient steel through backward and forward integration. From flat products to a whole range of long products, our comprehensive portfolio caters to markets across the steel value chain. An indigenous spirit and foresight in discerning future trends have been instrumental in our remarkable growth journey.

Tembo Steels is not just a company; it is a future corporation, dedicated to not only surviving but thriving amidst rapid market changes. Our commitment to enriching lives, staying true to our values, and driving innovation remains unwavering.



Steel Making Process



TMT TMX
REBARS



AUTOMATIC
COOLING BED



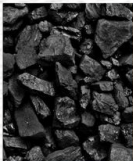
TMT DIRECT
CONTINUOUS
ROLLING



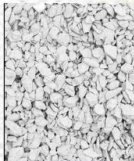
CONTINUOUS
CASTING
MACHINE



IRON ORE



COAL



DOLOMITE



DRI KILN



SCRAP



SPONGE IRON



CAST IRON



LIQUID STEEL



LADLE
REFINING



DEGASSING

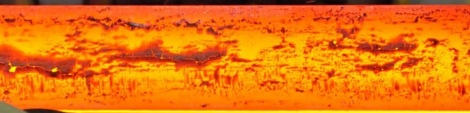


PURGING



BULLET
CASTOR







Our Products

TMX REBARS

Tembo produces TMT TMX rebars conforming to the steel grades Fe500(B500CWR), Fe500D(B500DWR) & Fe 550SD(B550DWR) and Thermex HSE Germany licensed. Tembo TMT TMX bars has low carbon, sulphur, phosphorous content, much lower than specified limit to maintain excellent ductility, bendability and weldability. The purity of steel is obtained due to primary steel making route along with refining facilities.





TMX (Diameter)
6mm, 8mm, 10mm,
12mm, 16mm
20mm, 25mm, 32mm

Length: 12 Meters

Tembo produces TMT TMX rebars conforming to the steel grades Fe500(B500CWR), Fe500D(B500DWR) & Fe 550SD(B550DWR)

Nominal Diameter(mm)	Nominal Cross Section Area [Sq.mm]	Weight [Kg/m]	Weight tolerance[%]
8	50.30	0.395	-3/+3
10	78.60	0.617	-3/+3
12	113.18	0.888	-3/+3
16	201.21	1.580	-3/+3
20	314.39	2.468	-2/+2
25	491.24	3.856	-2/+2
32	804.85	6.318	-2/+2

Tembo TMT TMX rebars are produced with size range 8mm to 32 mm diameter. Supplied in standard length of 12 metre, however specific lengths can be supplied as per mutual agreement with the customers.

NOTE:

Packaging & Bundling

Strapped in bundles of 100 kg to 1 tonne or as per customer requirement.

Mechanical Properties

Steel Grade	Minimum			
	Yield Stress[N/mm ²]	Ultimate Tensile Strength [N/mm ²]	Elongation [%]	UTS/YS Ratio
B500CWR	520	620	17	1.17
B500DWR	520	620	17	
B550DWR	560	660	17	



Steel Grade	Maximum[%]					
	C	Mn	S	P	S+P	Carbon Equivalent [CEV]
B500CWR	520	620	17	0.05	0.01	0.50
B500DWR	520	620	17	0.045	0.08	0.55
B550DWR	560	660	17	0.045	0.08	0.55



TEMBO TMX VERIFIED

- Uganda: UNBS
- Kenya: KBS
- Tanzania: TBS
- Rwanda: RBS
- South Africa: SABS - **Ongoing**
- India: BIS - **Ongoing**

Daily improvements and quality assessment are done at every stage; the new and refined system ensures breaking daily records, working closely undergoing training, to upscale our workforce to be entirely conversant with the latest technology down the production line. Constantly working on reducing our key bottleneck areas, ensuring material is in the right place with better flow through to our customers.

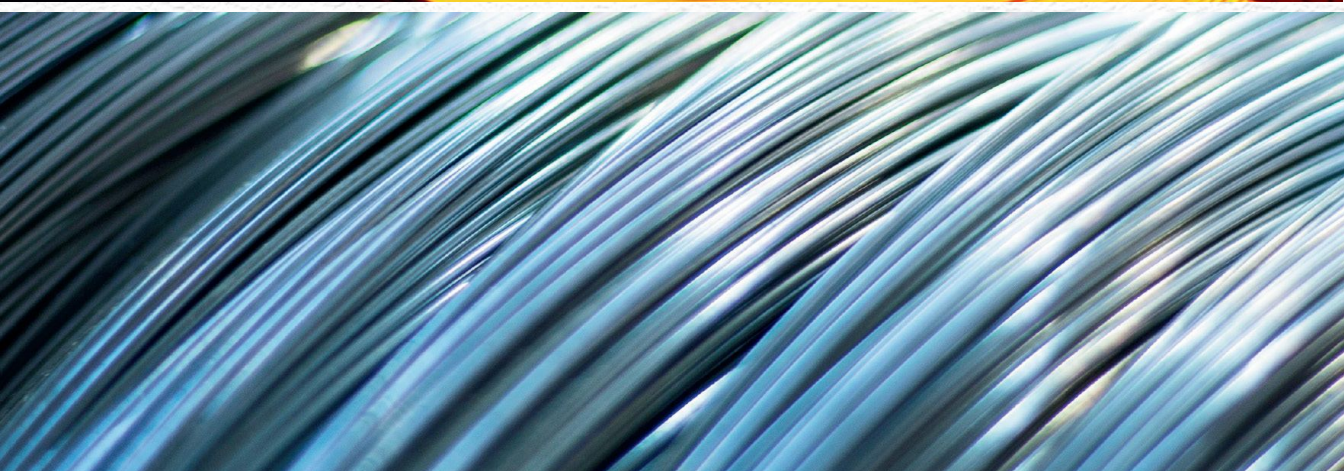


TEMBO



Date	TEMBO TMX 32mm
Lot No	TEMBO TMX 32mm
Size(mm)	TEMBO TMX 32mm
Grade	TEMBO TMX 32mm
TEMBO TMX 32mm	

Customer Care : +256 414 500687
Licenced by : HSE Germany





WIRE PRODUCTS

A2.6 Ribbed Bar	4 mm - 6 mm dia
A2.1 Wire Rod	5.5 mm, 7mm mm
A2.2 Drawn Wire	1.8 mm – 6.5 mm
A2.3 Nail	1 ½" - 6"
A2.4 Binding Wire	13 kg - 25 kg/roll
A2.5 BRC	A66, A98, A142

Wire Rods

SIZES	WIRE ROD
1.2mm	1.6mm
0.8mm	2.0mm
2.5mm	3.0mm
3.5mm	4.0mm
4.5mm	50mm
5.5mm	6.0mm
6.5mm	7.0mm





WIRE ROD NOMINAL DIA	SPEED(Mps)	T/Hr
5.5mm	55mps	37t/hr
7.0mm	55mps	59t/hr

Binding Wire

Binding wire is essential in construction, serving to securely tie rebars at joints. This ensures structural integrity, preventing shifts and collapses. Made from mild steel, binding wire is durable and flexible, allowing easy manipulation during installation. Its role is crucial in reinforcing concrete, making it a foundational element in building safety.



WIRE WEIGHT	DIAMETER ROLL (KG)
1.8	25
2.0	25
3.0	25

Wire Nails

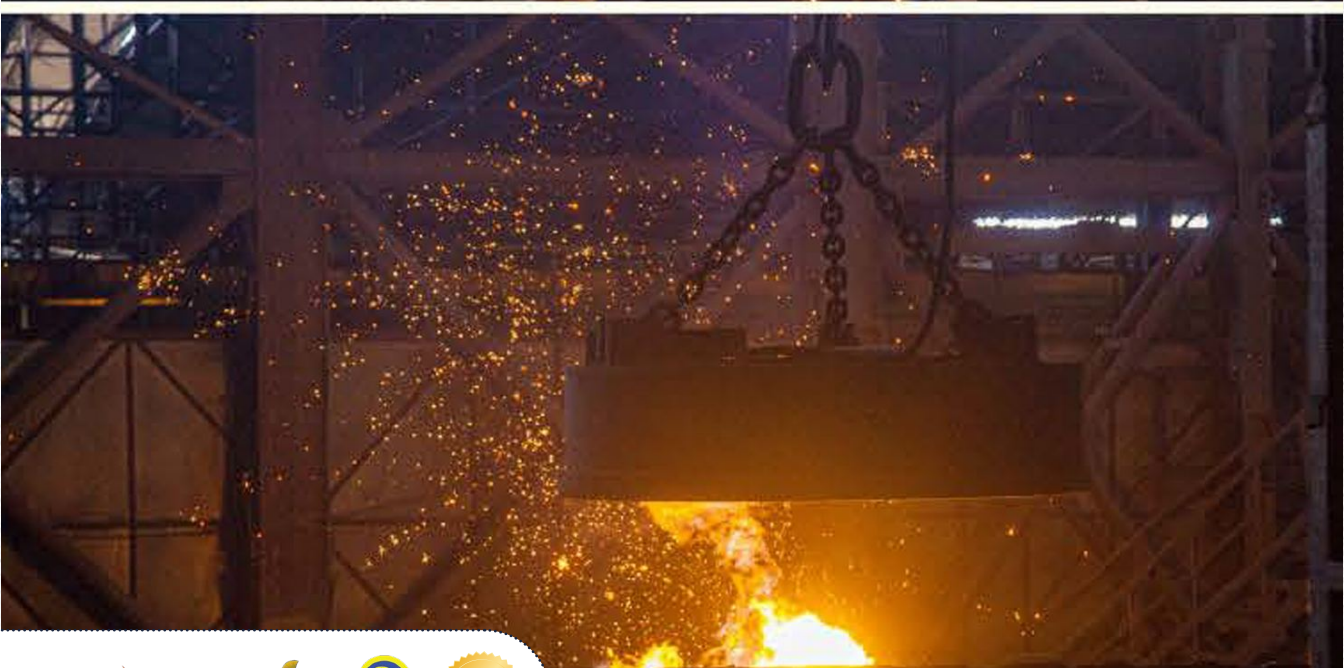
Tembo produces steel nails having wide head, smooth shank and diamond shaped point. These nails has good holding power and resistant to bending. Nails of various lengths and sizes are manufactured with surface treatment.



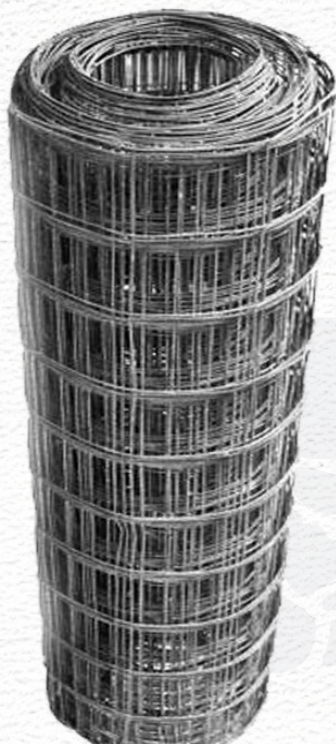
SIZE (INCH)	LENGTH(CM)	WIRE DIA(MM)	WEIGHT (KG)
1.5"	38.10	2.50	50.00
2"	50.80	3.00	50.00
2.5"	63.50	3.50	50.00
3	76.20	4.00	50.00
4	101.60	5.00	50.00
5	127.00	5.50	50.00
6	150.40	6.00	50.00



20



BRC (British reinforced concrete)

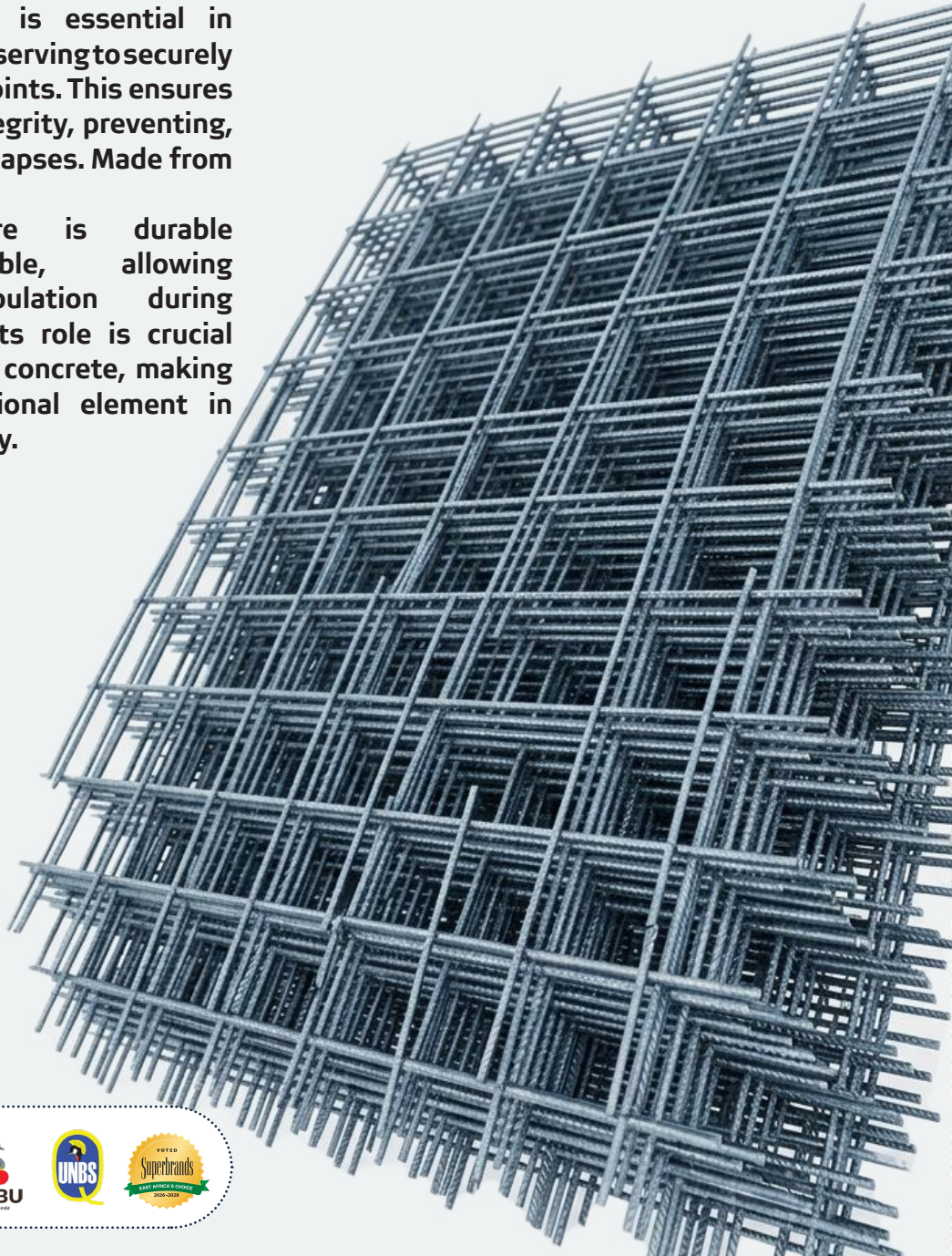


Tembo produces BRC conforming to various mesh codes A66, A98 & A142. BRC is widely used in modern construction activities. Medium size housing project uses BRC MESH as a major reinforcement which saves time and material due to its quick fixing and high strength of the mesh steel.

Mesh Code	Length [m]	Width [m]	Mesh Size Mm X mm	Wire diameter [mm]	Weight	
					Kg/roll	Kg/m2
A66	30	2.13	200 x 200	4	63.5	0.99
A98	30	2.13	200 x 200	5	100	1.56
	48	2.13	200 x 200	5	155	1.51
A142	48	2.13	200 x 200	6	227	2.22
STANDARD REFERENCE			US EAS 412 - 3 :2019			

Wire Mesh

Binding wire is essential in construction, serving to securely tie rebars at joints. This ensures structural integrity, preventing shifts and collapses. Made from mild steel, binding wire is durable and flexible, allowing easy manipulation during installation. Its role is crucial in reinforcing concrete, making it a foundational element in building safety.



OTHER PRODUCTS

Bars

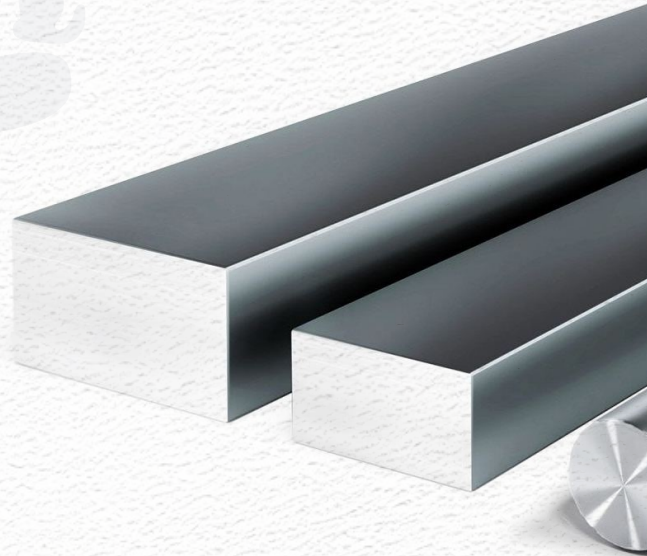
Tembo's Hot rolled products have a wide range of applications in various industries. One of the most common uses is in construction, where these products are utilized to create structural frameworks for buildings, bridges, and infrastructure projects. The high strength and durability of hot rolled section products make them ideal for supporting heavy loads and providing stability.

In addition to construction, hot-rolled section products are also utilized in the manufacturing and automotive sectors. These products are often used to fabricate machinery, equipment, and vehicles due to their excellent mechanical properties. Hot-rolled sections are favored for their malleability, which allows for custom shaping and welding to suit specific design requirements.

Overall, hot-rolled section products play a crucial role in modern industry by providing strong and versatile solutions for a wide range of structural applications.

Our Hot rolled sections:

- MS Flat Bar
- MS Angle Bar
- MS Z- Section
- MS Round bar
- MS Square Bar



Size Range of FLAT Bars

Size	Standard Length	Customized length
12mm x 2mm - 6mm	6 m	Yes
16mm x 2mm - 6mm	6 m	Yes
20mm x 2mm - 6mm	6 m	Yes
25mm x 2mm - 6mm	6 m	Yes
30mm x 3mm - 6mm	6 m	Yes
40mm x 2mm - 6mm	6 m	Yes
50mm x 3mm - 6mm	6 m	Yes

Composition

C % max	Si % max	Mn % min	P % max	S % max
0.2	0.5	0.9 - 1.65	0.04	0.04
Yield Stress	355 N/mm2 min. W			
Tensile Strength	450 N/mm2 min.			

Hollow Sections

Virtue of its shape, hollow sections allow for remarkable strength and its higher strength to weight ratio could result in substantial savings in steel consumption and transportation cost. Due to less weight and smoother profile, fabrication is easier.

This gives flexibility to the architects to shape their structures and express their creativity.

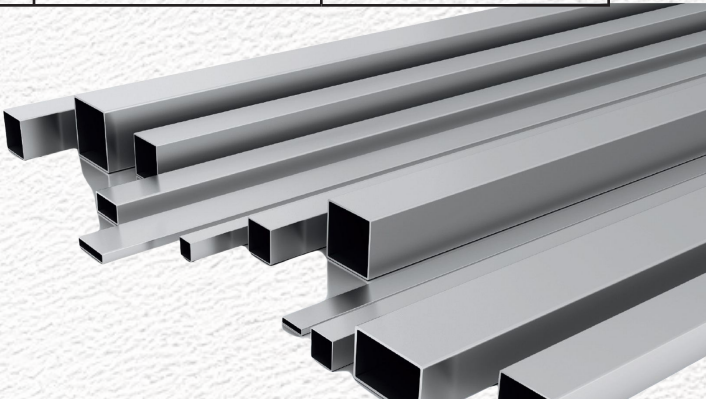
Our Cold rolled Hollow sections:

- Square Hollow Section (SHS)
- Rectangular Hollow Section (RHS)
- Round Tube



Square Hollow Sections (SHS)

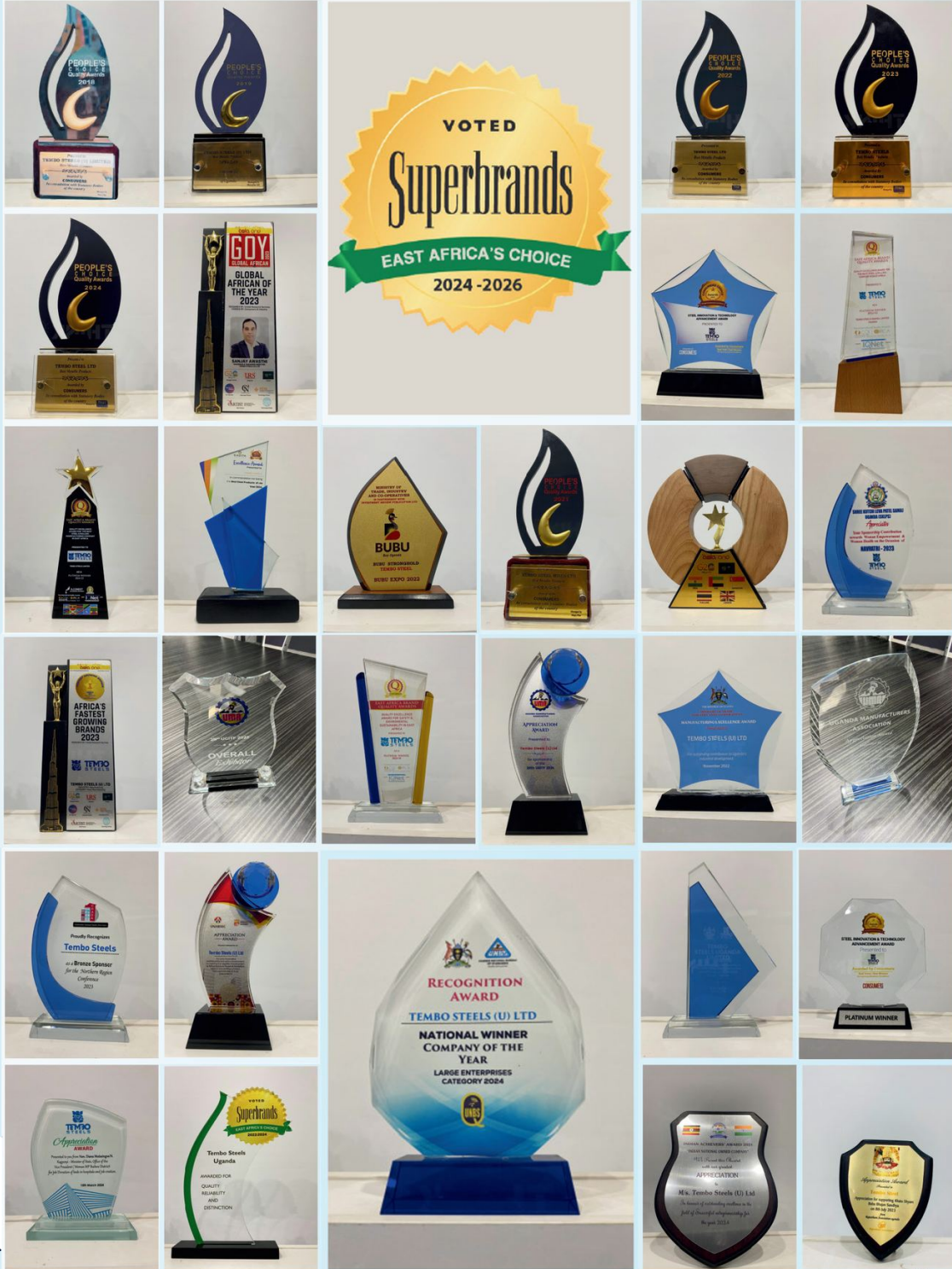
Width(B x B)(mm x mm)	Standard Length	Thickness (t) [mm]	Unit Weight [kg/m]
16 X 16	6m	0.8	0.383
16 X 16	6m	1.0	0.48
16 X 16	6m	1.2	0.56
20 X 20	6m	0.8	0.483
20 X 20	6m	1.0	0.62
20 X 20	6m	1.2	0.71
25 X 25	6m	0.8	0.609
25 X 25	6m	1.0	0.79
25 X 25	6m	1.2	0.9
30 X 30	6m	0.8	0.735
30 X 30	6m	1.0	0.94
30 X 30	6m	1.2	0.9
40 X 40	6m	0.8	1.208
40 X 40	6m	1.0	1.51
40 X 40	6m	1.2	1.86

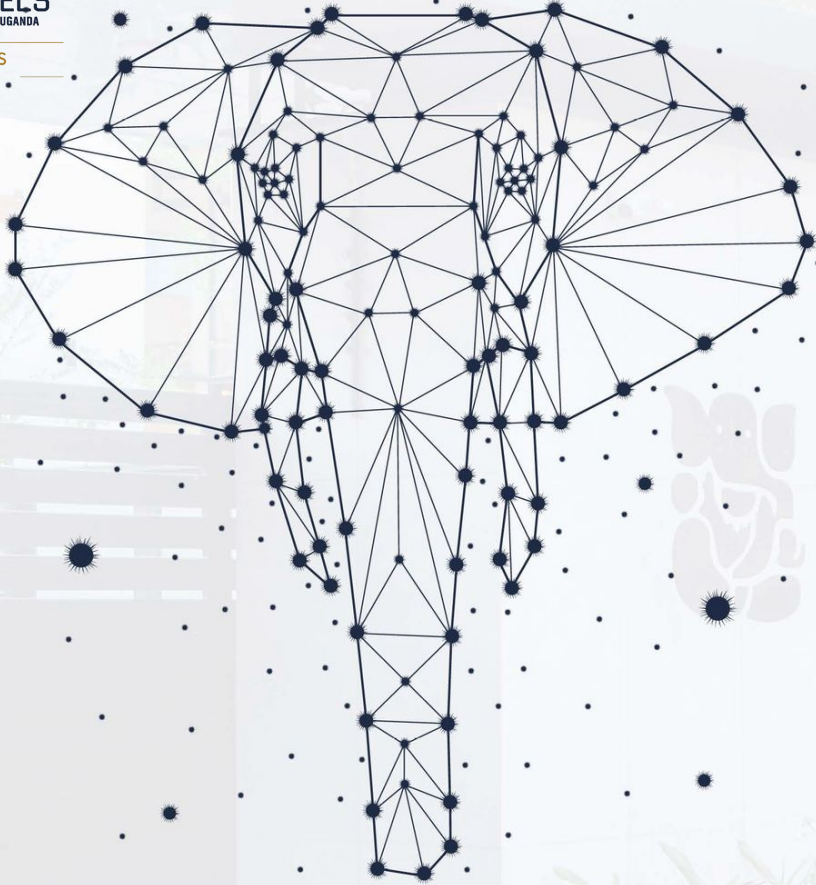


Angles

Size Range Of Angle Bars		
Size	Standard	Customized Length
20mm x 20mm x 2.5 – 4mm	6m	Yes
25mm x 25mm x 2.5 – 4mm	6m	Yes
30mm x 30mm x 2.5 – 5mm	6m	Yes
35mm x 35mm x 2.5 – 5mm	6m	Yes
40mm x 40mm x 2.5 – 5mm	6m	Yes
50mm x 50mm x 4mm – 8mm	6m	Yes



A gold seal with a serrated edge. Inside the seal, the word "VOTED" is at the top, "Superbrands" is in the center in a large serif font, and a green ribbon banner at the bottom contains the text "EAST AFRICA'S CHOICE" and "2024-2026".



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