



ADUKIA INDUSTRIES

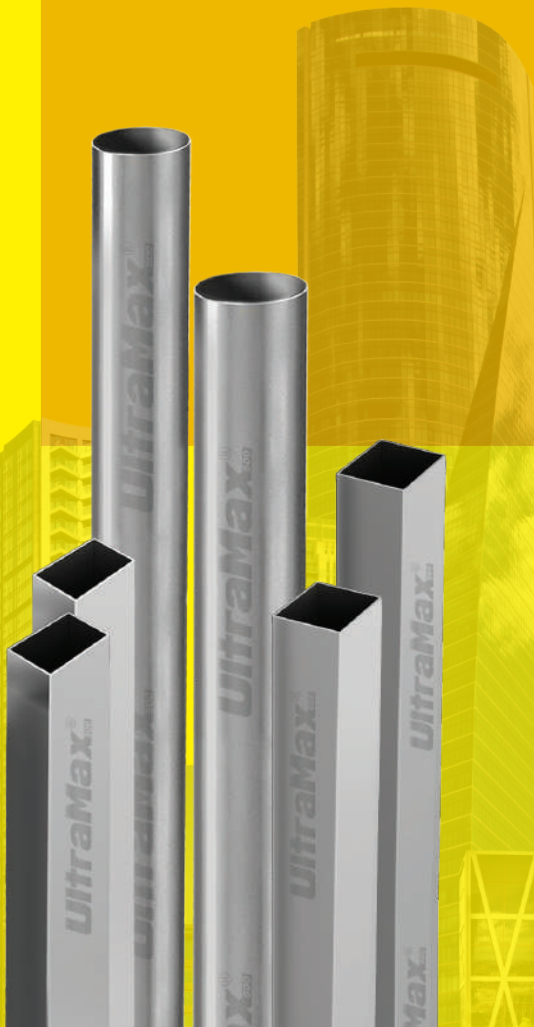
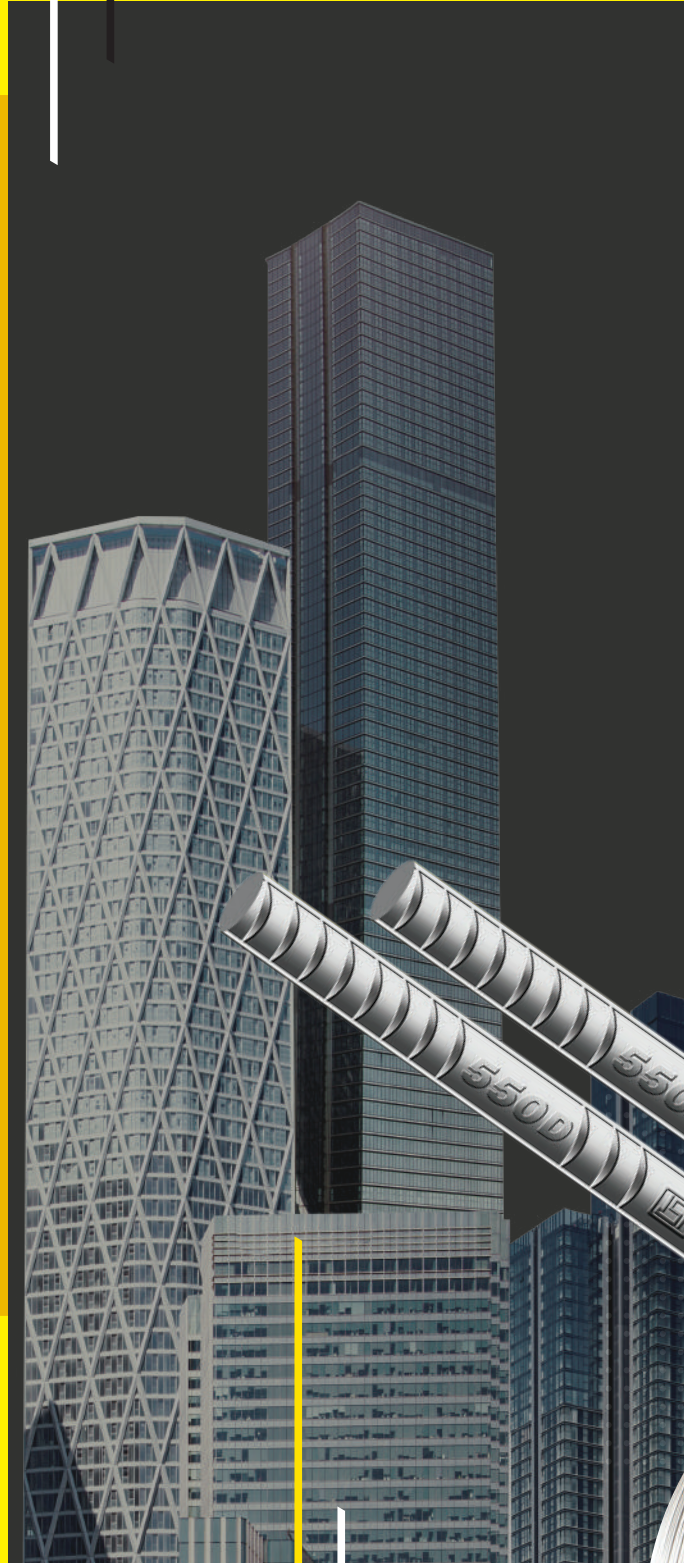
UltraMax[®]₅₀₀



550D TMT BAR

ULTRA SHAKTI! MAXIMUM MAZBOOTI!

**BRINGING
INDIA
UNPARALLELED
STRENGTH**



COMPANY

OVERVIEW

Established in 1971 by Late Shri Bajrang Lal Adukia, Adukia Industries is a leading manufacturer of high-quality iron and steel products.

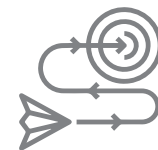
With the support of his wards, Shri Dinesh Adukia, Shri Vivek Adukia, and Shri Gyan Adukia, we have achieved a turnover of ₹25,000 million and built a strong distribution network covering major parts of India.

Adukia Industries' success is a testament to the founder's vision, hard work, and commitment to producing superior products that meet the needs of our customers.



MISSION

To build a 3 million ton, fully integrated setup from ore to pellet to finished steel by adding value to our clients through superior-quality products and implementing reliable and environmentally sustainable manufacturing practices.



VISION

Accelerating growth and prosperity through technological advancement to become a leading innovator in our industry, while creating value for our stakeholders. We relentlessly pursue quality to meet our customer's expectations.



MESSAGE FROM THE DIRECTOR

Founded by Shri Bajrang Lal Adukia in 1971, Adukia Industries began as a modest enterprise with only a few employees. Today, we've transformed into a flourishing company with over 3,000 team members, impacting diverse businesses around the world.

Through agile and ethical practices, Adukia Industries has climbed the market ranks, earning a reputation as a dependable and credible name in the steel industry.

Our trailblazing efforts have played a significant role in fostering a positive image of Indian steel products on the global stage. With our customers' trust and our expertise, we've positioned ourselves as the top choice for premium steel products.


As a leading force in the industry, it is our responsibility not only to deliver world-class products but also to exemplify and champion responsible business practices.

We've incorporated the principle of 'collective corporate good' into our core values. Guided by this philosophy, we've thoughtfully developed programs that allow us to actively contribute to the communities in which we've grown.


We ensure that all our factory employees' experience a safe and healthy work environment.

Our growth has been tremendous, and we'd like to take this opportunity to express our gratitude to our outstanding team of seasoned professionals for their unwavering commitment to every aspect of our business. We also want to thank our stakeholders for their trust, making us their preferred provider of steel products.

With such immense support, we remain dedicated to offering solutions that cater to customer needs while emphasising environmental sustainability.



Our trailblazing efforts have played a significant role in fostering a positive image of Indian steel products on the global stage.



GROUP COMPANIES



N.N. ISPAT PVT. LTD.

N.N. Ispat Private Limited, located in Dewandighi, Burdwan, West Bengal, is a highly reputable manufacturer of TMT bars. With a production capacity of 4,00,000 tons per annum, we produce various high-quality steel products, including TMT bars, billets, wire rods, and HB wires.

Our size range of TMT Bars is 5.5mm to 32mm. We are recognised for our commitment to provide quality products and services at the most reasonable prices.

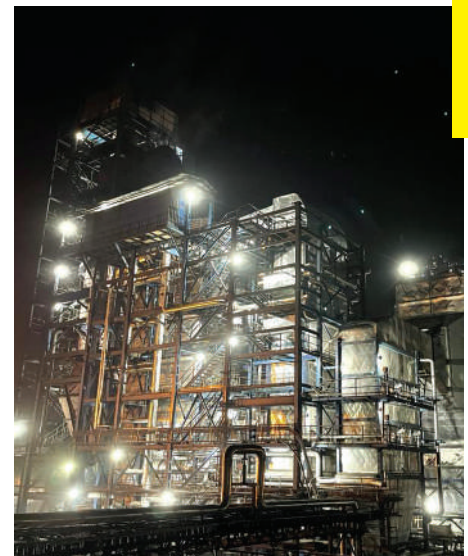
Expansion: The company is on the way of installing 350 TPD*2 DRI kilns for production of sponge iron and a 25 MW captive power plant.

RAIC INTEGRATED SPONGE & POWER PVT. LTD.

RAIC Integrated Sponge & Power Private Limited is located in Jamuria, Burdwan, West Bengal. We have an annual production capacity of 3,00,000 tons of DRI, 3,00,000 tons TMT Bars and 6,000 tons of ferroalloys. We have a power plant of 25 MW.

We are expanding to become self-reliant in terms of power supply, contributing to the overall development of India.

Expansion: The company is in process of installing 12,000 tons of ferro alloys and 80,000 tons of DRI with 15 MW captive power.





AIC IRON INDUSTRIES PVT. LTD.

AIC Iron Industries Private Limited located in Purulia, West Bengal has an annual production capacity of 3,60,000 tons of DRI and 2,50,000 tons of mild steel billets, HR narrow strips, and pipes and has a power plant of 25 MW.

Our commitment to quality and state-of-the-art facilities has established us as a reliable supplier of high-quality steel products to various industries.

Expansion: The company is installing a 400 TPD DRI plant for production of DRI and a 25 MW captive power plant which will be ready for production by September, 2023. In addition to this, the steelmaking capacity will be 2,70,000 tons per annum (Addition of 1,50,000 tons).

AIC CASTING PVT. LTD.

This first established unit started its operation in 1971 with the manufacturing of Grey Iron Casting. Presently with 20,000 tons per annum production capacity, with large motor manufacturing companies as its customer base.

Following a strict quality control system and innovative research in the field of iron manufacturing, the Group has opened up three more units to meet the increasing demand and strengthen its distribution channel.

Expansion: The company is establishing its new green foundry at Foundry Park near Kolkata, West Bengal with a capacity of 36,000 tons per annum. The products that will be manufactured are grey iron, ductile iron, alloy castings etc.





UltraMax[®]₅₀₀



550D TMT BAR

ULTRA SHAKTI! MAXIMUM MAZBOOTI!

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ABOUT

ULTRAMAX TMT

N.N Ispat Pvt Ltd has been serving customers from every class in every nook and corner of the nation. One of its most admired and demanded products is Ultramax TMT. Ultramax TMT bars are solid due to their accurate use of necessary constituents during manufacturing and Thermex technology from Hennigsdorfer Stahl Engineering GmbH, Germany.

This production method is among the best in the world, making Ultramax TMT bars an ideal choice.



ADVANTAGES

FEATURES OF ULTRAMAX TMT



Quality Control: Our Ultramax Fe 550D TMT bars are made using state-of-the-art equipment, including a modern chemical laboratory for analyzing raw materials and PLC-controlled machines with self-diagnostic features and for physical properties our bars maintain a uniform rib design. Our rolling plant operates at maximum speed with a minimum cycle time of 12-15 seconds, ensuring that our bars meet all international standards for physical properties.



Economical: With all these exceptional characteristics, it's no wonder that individual customers and construction companies prefer Ultramax Fe 550D TMT bars over any other brand. Not only are they the ideal choice, but they are also available at a reasonable price, making them a wise investment for any construction project.



Strength: Ultramax Fe 550D TMT bars are designed to provide exceptional strength and elongation compared to traditional bars, resulting in safer and stronger concrete structures while using less steel. These bars are highly elastic and pliable and offer excellent welding capabilities. With their low carbon content, our TMT bars are incredibly durable, resistant to bending and rebending, and have superior welding capabilities with minimal overlap. These bars provide reliable and robust solutions.



Flexibility: Ultramax Fe 550D TMT bars provide exceptional flexibility, ensuring top-notch durability and performance for all your construction needs. These bars come in various sizes, from 8mm to 25mm. Each size undergoes rigorous testing, including a minimum elongation of 20% and a 3D bend test, to ensure the highest quality and reliability.



Earthquake Resistance: Adukia Industries' Ultramax TMT Fe 550D bars are ideal for earthquake-resistant construction projects due to their exceptional strength, elongation, and flexibility. These bars offer superior durability and flexibility, ensuring the safety and longevity of your building.

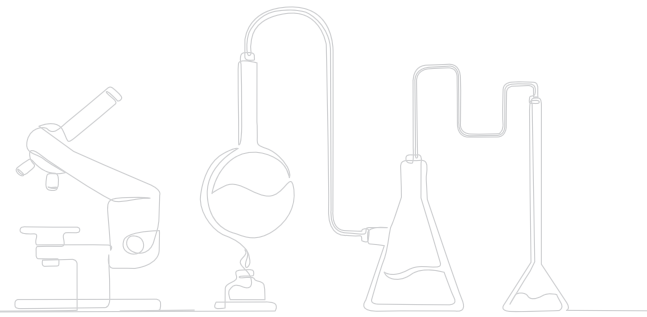


Heat Resistance: The Ultramax Fe 550D TMT bars demonstrate remarkable strength retention at temperatures up to 500°C and only a slight reduction in yield strength at 550°C to 600°C, making them an excellent option for applications that require exceptional thermal stability and strength.



Corrosion Resistance: Ultramax Fe 550D TMT bars incorporate advanced German technology with a protective layer of scales that ensures superior corrosion resistance and durability. This makes them an excellent option for harsh and corrosive environments, enhancing their longevity and robustness.

TECHNICAL SPECIFICATIONS



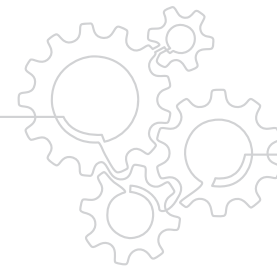
CHEMICAL COMPOSITION

INGREDIENTS	ULTRAMAX FE 550D	BIS
Carbon Max (%)	0.20	0.25
Manganese (%)	0.5 to 0.80	0.5 to 0.80
Sulphur (%)	0.030	0.040
Phosphorus (%)	0.035	0.040
Carbon Equivalent	0.30 to 0.35	0.27 to 0.42

MECHANICAL PROPERTIES

Grade	YIELD (min N/sq mm)		UTS (min N/sq mm)		ELONGATION (min %)	
	BIS	ULTRAMAX	BIS	ULTRAMAX	BIS	ULTRAMAX
Fe-550	550	560	585	610	10.0	18
Fe-550D	550	570	600	630	14.5	20

INDUSTRY COMPARISON SPECIFICATIONS



Size	SPECIFIC WEIGHT	BIS STANDARD		MARKET STANDARD		ULTRAMAX TMT		Savings in terms of weight
	Gm/m	Tolerance Gm/m	% Variation	Tolerance Kg/mtr	% Variation	Tolerance Kg/mtr	% Variation	
8mm	0.395	0.367 to 0.423	7.000	0.387 to 0.410	+4 to -2	0.370 to 0.390	-1.27 to -6.33	5.50%
10mm	0.617	0.574 to 0.660	7.000	0.605 to 0.642	+4 to -2	0.585 to 0.610	-1.10 to -5.20	5.50%
12mm	0.888	0.844 to 0.932	5.000	0.870 to 0.624	+4 to -2	0.850 to 0.870	-2.0 to -4.28	4.50%
16mm	1.580	1.500 to 1.659	5.000	1.548 to 1.643	+4 to -2	1.520 to 1.540	-2.53 to -3.80	4.50%
20mm	2.470	2.396 to 2.544	3.000	2.445 to 2.519	+2 to -1	2.400 to 2.440	-1.20 to -2.83	3.0%
25mm	3.850	3.735 to 3.965	3.000	3.812 to 3.965	+2 to -1	3.760 to 3.800	-1.3 to -2.35	3.0%
28mm	4.830	4.686 to 4.975	3.000	4.780 to 4.926	+2 to -1	4.700 to 4.760	-1.5 to -2.7	2.75%
32mm	6.310	6.120 to 6.500	3.000	6.270 to 6.436	+2 to -1	6.180 to 6.250	-1.0 to -2.0	2.75%

OUR ACCREDITATION

CERTIFICATIONS



BIS 1786



Thermex QST License



BIS 2830



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018

THIRD PARTY MATERIAL QUALITY TEST CERTIFICATE

- NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR
- DEPT. OF CONSTRUCTION ENGINEERING, JADAVPUR UNIVERSITY
- NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA
- MANGALAM TESTING BUREAU
- INDUSTRIAL DEVELOPMENT & TESTING LABORATORY (IDTL)
- NATIONAL TEST HOUSE

APPROVALS FROM GOVT. & SEMI GOVT. BODIES

- PUBLIC WORKS DEPARTMENT (P.W.D), GOVT. OF WEST BENGAL
- DIRECTORATE OF PUBLIC HEALTH ENGINEERING (P.H.E), GOVT. OF WEST BENGAL
- NUMALIGARH REFINERY LIMITED, NUMALIGARH, ASSAM



UltraMax

PIPES AND TUBES

UNRIVALED QUALITY, UNMATCHED STRENGTH

09

ULTRAMAX

PIPES AND TUBES

Adukia Industries is proud to offer a wide selection of high-quality ERW pipes that are ideal for use in transporting gas and liquid substances such as oil and gas. Our pipes are longitudinally welded and manufactured from strip/coil, allowing for reliable and efficient performance in even the most demanding applications.

With the capability to produce pipes up to 3' OD, we are able to provide a versatile range of options to meet the specific needs of our customers.



Product Range:

The Ultramax brand has earned a reputation as a symbol of excellence, and is the preferred choice of discerning customers who place a premium on quality and strength. Our brand's name has become synonymous with unparalleled performance, reliability, and durability, and we strive to maintain this standard of excellence with every product we offer.

- Our steel pipes are designed for use in air and water applications, and are manufactured to meet the rigorous standards of IS:1239
- Our steel tubes are specifically designed for use in structural applications, and are manufactured to conform to the rigorous standards of IS:1161 and IS:4923

Quality Assurance:

At AIC Iron Industries Pvt. Ltd., we are dedicated to maintaining the highest standards of quality in all aspects of our operations. With a steadfast commitment to total quality control, we have integrated rigorous testing procedures into our manufacturing process to ensure that every product we produce meets our exacting standards. In our pursuit of excellence, we continuously invest in the latest tools and machinery for quality assurance, allowing us to deliver the utmost in product reliability and customer satisfaction.



SIZE CHART

ROUND PIPES

For uses in water, gas, steam and airline conforming to IS:1239 and
For uses in structural purposes conforming to IS:1161

NOMINAL BORE		OUTSIDE DIAMETER		WALL THICKNESS		KG / MTR
mm	INCH	MIN. (mm)	MAX. (mm)	mm	SWG	
25	1	33.3	34.2	1.40	17	1.12
		33.3	34.2	1.60	16	1.27
		33.3	34.2	1.80	15	1.42
		33.3	34.2	2.00	14	1.57
		33.3	34.2	2.20	13	1.70
		33.3	34.2	2.50	12	1.92
		33.3	34.2	2.80	11	2.13
		33.3	34.2	3.20	10	2.37
32	1.25	41.9	42.5	1.40	17	1.42
		41.9	42.5	1.60	16	1.62
		41.9	42.5	1.80	15	1.80
		41.9	42.5	2.00	14	2.00
		41.9	42.5	2.50	12	2.47
		41.9	42.5	2.80	11	2.75
40	1.5	47.8	48.4	1.40	17	1.63
		47.8	48.4	1.60	16	1.83
		47.8	48.4	1.80	15	2.08
		47.8	48.4	2.00	14	2.30
		47.8	48.4	2.20	13	2.50
		47.8	48.4	2.50	12	2.83
		47.8	48.4	2.80	11	3.17
		47.8	48.4	3.20	10	3.50
50	2	59.6	60.2	1.40	17	1.92
		59.6	60.2	1.60	16	2.33
		59.6	60.2	1.80	15	2.62
		59.6	60.2	2.00	14	2.90
		59.6	60.2	2.20	13	3.17
		59.6	60.2	2.50	12	3.57
		59.6	60.2	2.80	11	4.00
		59.6	60.2	3.20	10	4.50
65	2.5	75.3	76.6	2.00	14	3.67
		75.3	76.6	2.20	13	4.00
		75.3	76.6	2.80	11	5.17



SIZE CHART

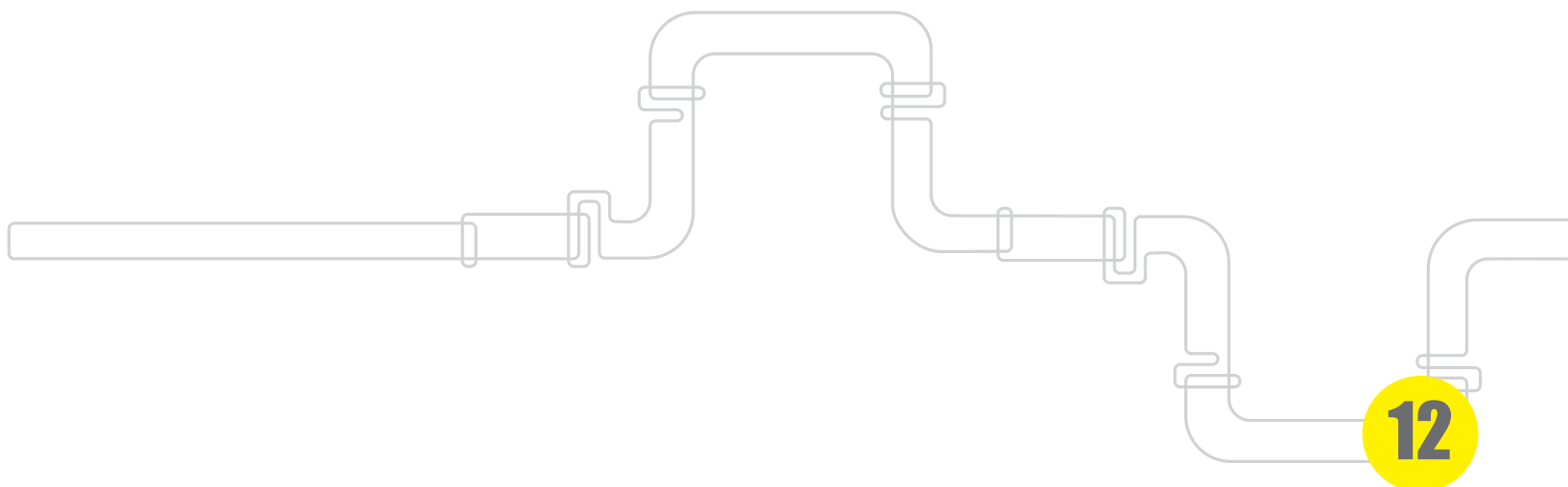
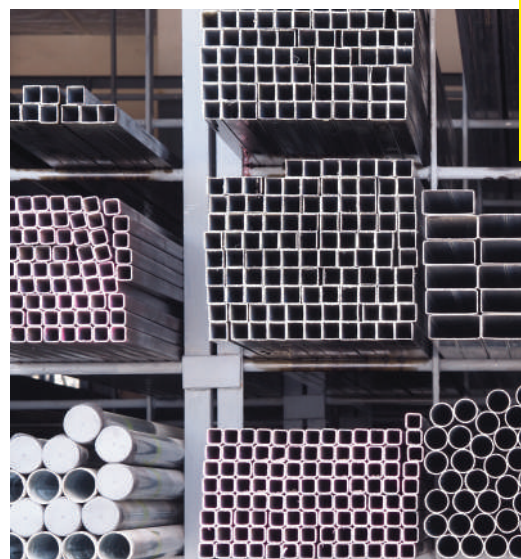
SQUARE AND RECTANGULAR PIPES

Square Hollow Section Tubes (SHS)
confirming to IS:4923

DESIGNATION mm X mm	DEPTH OR WIDTH	THICKNESS mm	KG / MTR
25 X 25	25	1.40	1.12
	25	1.60	1.27
	25	1.80	1.42
	25	2.00	1.57
	25	2.20	1.70
	25	2.50	1.92
	25	2.80	2.13
	25	3.20	2.37
32 X 32	32	1.40	1.42
	32	1.60	1.62
	32	1.80	1.80
	32	2.00	2.00
	32	2.50	2.47
	32	2.80	2.75
38 X 38	38	1.40	1.63
	38	1.60	1.83
	38	1.80	2.08
	38	2.00	2.30
	38	2.20	2.50
	38	2.50	2.83
	38	2.80	3.17
	38	3.20	3.50
48 X 48	48	1.40	1.92
	48	1.60	2.33
	48	1.80	2.62
	48	2.00	2.90
	48	2.20	3.17
	48	2.50	3.57
	48	2.80	4.00
	48	3.20	4.50
60 X 60	60	2.00	3.67
	60	2.20	4.00
	60	2.80	5.17

Rectangular Hollow Section Tubes (RHS)
confirming to IS:4923

DESIGNATION mm X mm	DEPTH	WIDTH	THICKNESS mm	KG / MTR
50 X 25	50	25	1.40	1.63
	50	25	1.60	1.83
	50	25	1.80	2.08
	50	25	2.00	2.30
	50	25	2.20	2.50
	50	25	2.50	2.83
	50	25	2.80	3.17
	50	25	3.20	3.50
	80 X 40	80	40	2.00
80		40	2.20	4.00
80		40	2.80	5.17





UltraMax

WIRE RODS

WEAVING SUCCESS WITH QUALITY WIRES

ULTRAMAX

WIRE RODS

As a premier manufacturer of iron and steel products, Adukia Industries is dedicated to delivering cutting-edge solutions for the wire drawing industry. Our extensive product line includes high-quality stainless wire rods and HB wires, which are utilized by wire drawing mills worldwide. Leveraging our expertise in heat treatment and hot rolling billets on continuous rolling mills, we are able to produce wire rods and HB wires with the precise chemistry and mechanical properties required for optimal performance. These semi-finished products feature a round cross-section and are coiled for easy handling and transportation. Currently, we offer wire rods with a diameter of 5.5mm, ensuring that our customers receive the exact products they need to achieve their goals.



We manufacture raw materials in-house, allowing us to produce high-quality wire rods and HB wires in an efficient and cost-effective manner.

Chemical Properties:

C (%)	Mn (%)	S (%)	P (%)	Si (%)
0.10 - 0.15	0.40 - 0.60	0.035 max	0.025 max	0.03

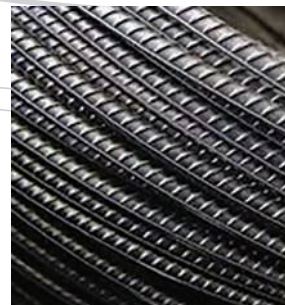
Mechanical Properties:

UTS (Mpa)	% Elongation
480 ± 20	30 min

OTHER PRODUCTS



Rings (8 mm)



Torkari (5.5 mm)



Nails (1 – 6 inch)

INTEGRATED STEEL PLANT



SPONGE IRON



PELLETS



FERRO ALLOYS



BILLETS



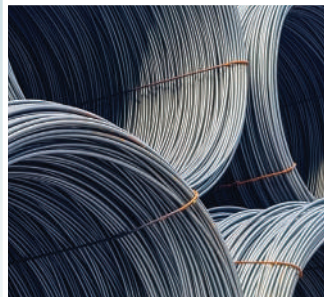
TMT BARS



HR COILS



ERW PIPES AND TUBES



WIRE RODS AND HB WIRES

INTEGRATED
STEEL PLANT
CATERING CLIENTS
PAN-INDIA



OUR CLIENTS



PRESENCE

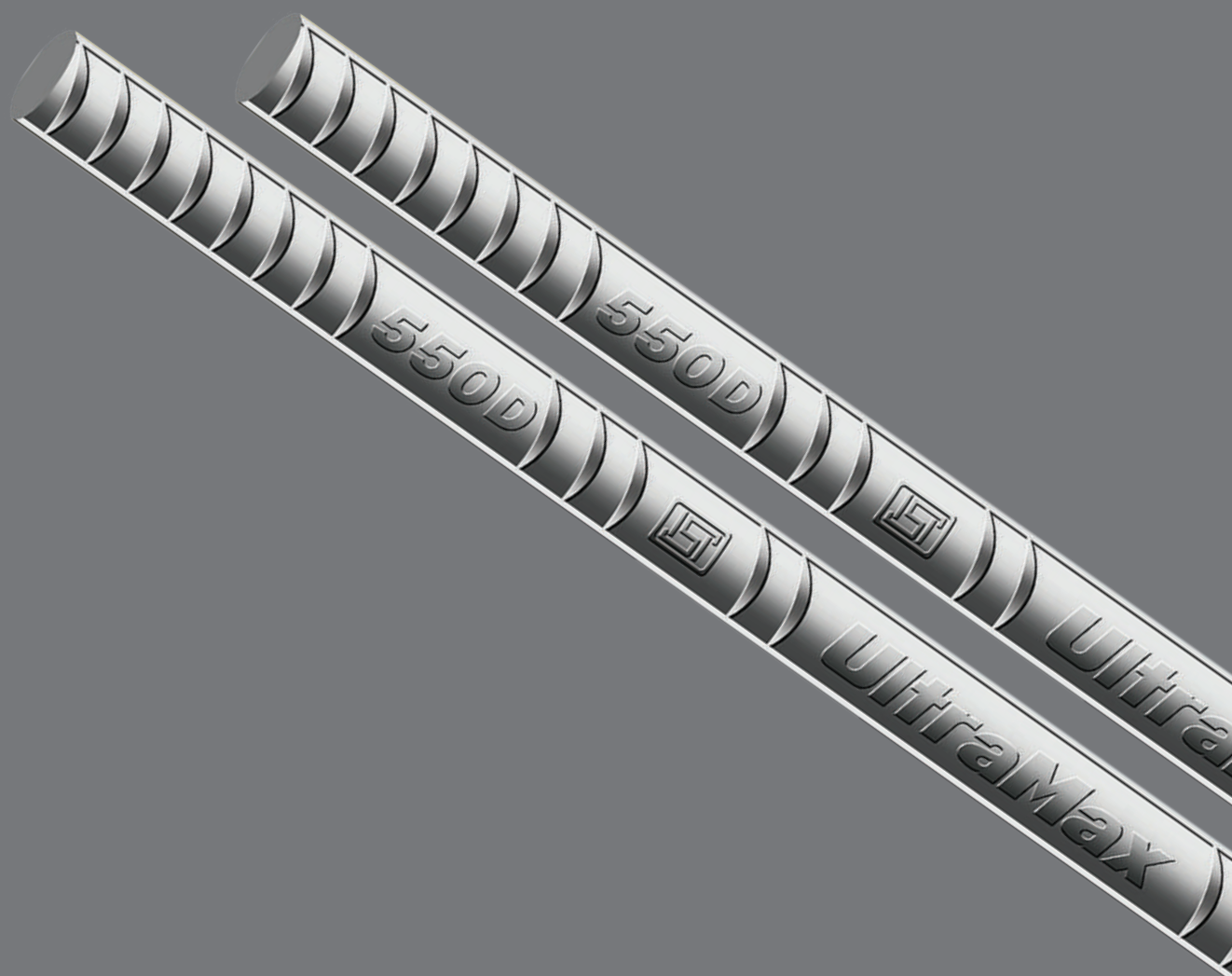
SALES ZONES



OUR POLICIES

- Maintaining rigorous quality standards through frequent product sampling and testing is our top priority, we ensure consistent customer satisfaction.
- The production process guarantees bars rolling with minimal tolerances, resulting in superior dimensional accuracy and consistency.
- Technological upgrades drive continuous improvement of product quality, ensuring superior products and innovation.
- Minimizing production costs is our top priority, to provide customers with high-quality products at a competitive price.
- Maintaining a highly motivated and dedicated workforce is critical to withstanding all challenges and upholding our commitment to excellence.
- Strong distribution network for the nationwide availability of our products enhances satisfaction and expands reach.
- Timely dispatches to customers are ensured, reflecting our commitment to providing efficient and reliable service.
- Delivering quality, value, and growth through customer satisfaction drives our success.
- Our mission is to deliver unparalleled strength and customer satisfaction to every client, anytime and anywhere.





ADUKIA INDUSTRIES



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