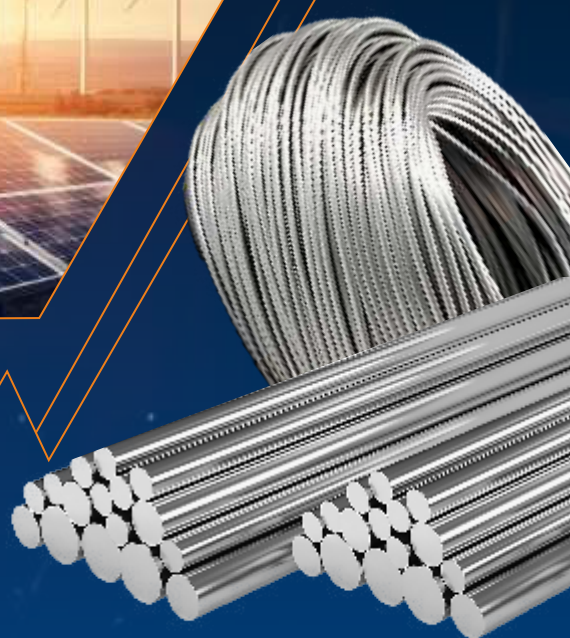




MUKAND

From **FIRSTS** to the **FUTURE**

*Mukand Limited -
A Pioneer in Stainless Steel*



Mukand's history is defined by a series of pioneering milestones and a clear vision of the future. In an industry as traditional as steelmaking, Mukand's customer-first mindset sets it apart, building a reputation founded on uncompromising quality.

As part of the Bajaj Group—one of India's top five business conglomerates founded on integrity, nation-building and long-term thinking—Mukand carries forward a legacy of trust and excellence. Today, the Group boasts a market capitalisation of approximately USD 167 billion.

Mukand Limited, a listed company and a key manufacturing pillar of the group, is one of the largest manufacturers of Stainless Steel Long Products in India.

The Firsts That Built a Nation

Founded in 1937, Mukand began with re-rolling mills and foundries that redefined India's industrial capabilities. Today, that spirit of "firsts" continues with a sharpened focus on stainless steel specialisation. Guided by expertise, customer-centric thinking and advanced process control.

1950

The Mukand steel foundry became the largest in India's non-government sector

1962

Mukand became the first company in India to adopt Continuous Billet Casting technology—at a time when it was still nascent globally

1965

Mukand commissioned its stainless steel plant and the organisation also pioneered Vacuum Oxygen Decarburisation (VOD) technology in India

1966

Mukand pioneered the domestic production of high-carbon steel wire rods, thereby helping strengthen national self-reliance

1981

It became the fourth plant in the world to introduce the Easy Draw Continuous Cooling System for wire rods



Certified, Tested, Trusted

Mukand operates to globally recognised standards, supported by in-house testing and inspection facilities.

Certifications include :

- IATF 16949
- ISO 9001: 2015
- ISO 14001: 2015
- ISO 50001: 2018
- AD 2000-Merkblatt W0 (PED)
- ISO/IEC 17025: 2017
- CBAM Certified
- Central Boilers Board Certificate of Approval
- Bureau of Indian Standards Certified



Mukand's Green Steel certification reflects its commitment to responsible manufacturing and ethos of environmental stewardship. The organisation is justifiably proud of its ratings.

Certification Ratings:

5 Star ★★★★★ Black Bars

4 Star ★★★★★☆ Bright Bars

4 Star ★★★★★☆ Wire Rods

This special recognition underscores a balanced commitment to performance, sustainability and regulatory alignment. Creating the shape of a new carbon-free future.



Product Range - Stainless Steel

Billets/Blooms

As Cast

160 mm sq x 2 meters to 8 meters
 250 mm sq x 2 meters to 8 meters
 250 x 300 mm x 2 meters to 8 meters

RCS

160 mm sq x 3 meters to 6 meters
 140 mm sq x 3 meters to 8 meters
 125 mm sq x 3 meters to 8 meters

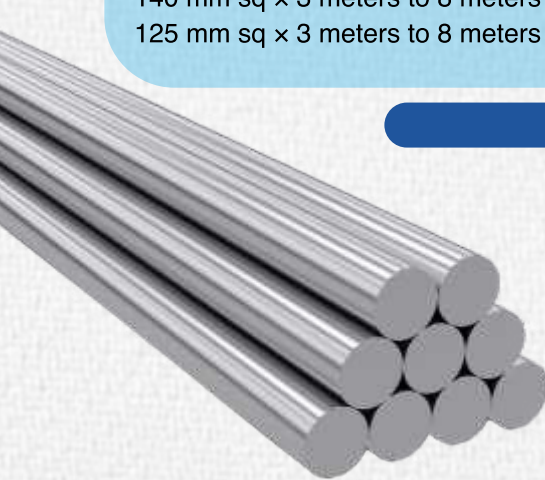
Wire Rods (Rounds)

Size Range

5.5 mm to 15 mm (Block Route)
 16.4 mm to 34 mm (Garret Route)
 20 mm to 75 mm (Straight Route)

Coil Weight

1.5 metric tonnes



Bars (As rolled)

Size Range

20 mm to 225 mm
 75 RCS to 160 RCS
 Up to 7.5 meters

Bright Bars

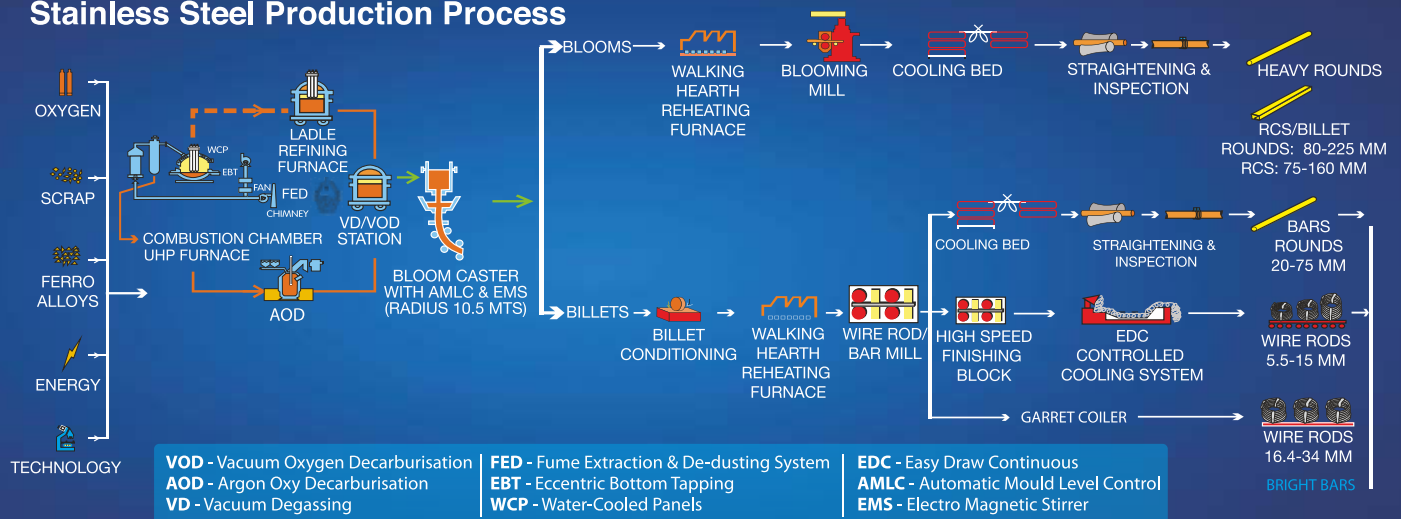
Size Range

5 mm to 215 mm*
 Drawn, Peeled and Ground
 *Terms & Conditions Apply

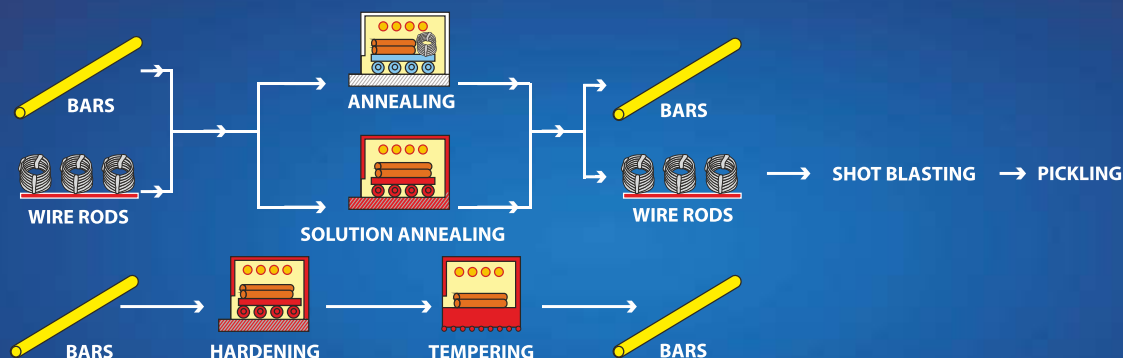
Bright Bars Tolerances

h8/k8 12 to 40 mm dia, h9/k9 up to 80 mm dia, h11/k11 up to 120 mm dia,
 h12/k12 above 120 mm dia

Stainless Steel Production Process



Stainless Steel Heat Treatment Process



Key Grades - Stainless Steel

Austenitic			
ASTM	EN	JIS	UNS
301	1.4310	SUS 301	S30100
303	1.4305	SUS303	S30300
304	1.4301	SUS304	S30400
304Cu	1.4597	SUSXM7	S30430
Super 304H	1.4907		S30432
304L	1.4307	SUS304L	S30403
304HC	1.4301		
309Si	1.4828		
310S	1.4841	SUS310S	S31000
314	1.4841		S31400
316L	1.4404	SUS316L	S31603
316Ti	1.4571	SUS316Ti	S31635
317L	1.4438	SUS317L	S31703
321/H	1.4541	SUS321	S32100
347/H	1.4550	SUS347	S34709
Nitronic 32/ XM 28			S24100
Nitronic 50 / XM 19	1.3964		S20910
904L	1.4539		N08904

Duplex / Super Duplex			
ASTM	EN	JIS	UNS
2101	1.4162	S2101	S32101
2304	1.4362	S2304	S32304
2205	1.4462	S2205	S31803
2507	1.4410	S2507	S32750

Low Nickel			
ASTM	EN	JIS	UNS
204Cu	1.4597		S20430

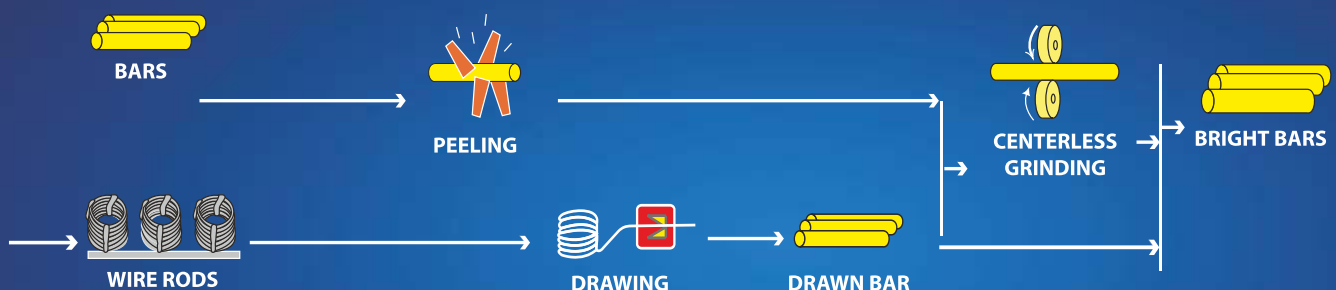
Ferritic - Martensitic			
ASTM	EN	JIS	UNS
409	1.4512	SUS409	S40900
410	1.4006	SUS410	S41000
416	1.4005	SUS416	S41600
420	1.4021	SUS420J1	S42000
420B	1.4028	SUS420J2	S42020
420C	1.4034		
430L	1.4016	SUS430	
430F	1.4104	SUS430F	S43020
431	1.4057	SUS431	S43100
434	1.4113	SUS434	S43400

Electrode			
AWS	UNS	AWS	UNS
ER307Si	S30780	ER317L	S31783
ER308Si	S30883	ER347	S34788
ER308LSi	S30888	ER321	S32180
ER309Si	S30981	ER410	S41080
ER309LSi	S30988	ER420	S42080
ER310	S31080	ER430	S43080
ER312	S31380	ER2209	S39209
ER316LSi	S31688		

PRECIPITATION HARDENING			
ASTM	EN	JIS	UNS
17-4 PH	1.4542	SUS630	S17400

Customised tailor made 400+ Grades to suit all your varied requirements.

Stainless Steel Bright Bars Production Process



Product Applications

Mukand Limited Stainless and Specialty Steels are engineered to perform in demanding, high-precision environments across critical industries worldwide. With over 400 grades and advanced metallurgical control, our products deliver strength, corrosion resistance, machinability and durability where reliability is non-negotiable.

Key Application Sectors

Process Industries

Paper, dairy and breweries — corrosion-resistant solutions for hygienic and high-temperature operations.

Engineering, Automotive & Industrial

Precision components, shafts, fasteners and high-performance mechanical systems.

Pipes & Tubes

Long products tailored for structural, fluid transport and industrial piping systems.

Across every sector, Mukand delivers consistent quality, with dependable supply and technical support — ensuring that customer success remains the ultimate specification.

Nuclear & Energy

Approved Stainless Steel solutions made for critical reactor and power applications. This makes Mukand one-of-a-kind in the industry.

Medical Implants & Instruments

High-purity grades that are designed for precision, hygiene and performance reliability.

Defence & Strategic Applications

Engineered materials for mission-critical environments.



Technical Excellence

We work closely with customers to enhance value through process improvements and application-driven solutions, enabling the development of specialized products for sectors like power generation, defence and oil & gas.

Recent innovations include Super 304H for ultra-supercritical power plants, offering high strength and resistance to oxidation and creep; ER 312 for welding dissimilar metals with excellent crack resistance; and advanced grades like Nitronic 32, Nitronic 50, and Super 13Cr, designed for harsh oil & gas environments with superior corrosion resistance and toughness. We also produce specialized defence materials, including small arms barrels, with precise heat treatment to meet strict performance standards.

CELOX – Precision Oxygen Control

CELOX enables rapid, accurate measurement of oxygen activity during refining, allowing precise aluminium control and improved deoxidation. This reduces inclusions, enhances alloy recovery and ensures cleaner steel with tighter chemistry control and consistent high-performance quality.

Advanced Testing Capability

Advanced test facilities for finished bright bar products include:

- Phased Array Auto Ultrasonic Testing (P-AUT) for the size range of 10 – 44.0mm diameter for testing internal soundness.
- Eddy Current Tester for automatic surface defect detection and sorting for size range of 8 - 35mm diameter.
- Our chemical lab is equipped with state-of-the-art facilities like Optical Emission Spectrometer for Chemistry certification, Gas analyser for O₂/N₂/H₂ levels, XRF for incoming raw material testing. Radioactivity check is part of both incoming and finished product verification.

HORUS – Real-Time Dimensional Accuracy

The HORUS non-contact optical system provides continuous online measurement of hot-rolled products, ensuring strict dimensional tolerances. It reduces start-up time, enables immediate corrective action and strengthens overall process stability and quality assurance.

Automated Bright Bar Packing

Our automated packing system ensures secure, uniform wrapping to protect against damage, corrosion and contamination. Export consignments use a robust four-layer configuration designed for extended sea transit, ensuring products reach customers in optimal condition.





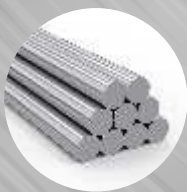
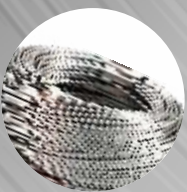
MUKAND

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