

Hot Rolled Round Bars, Cold Drawn Bright Square Bars, HRAP Angle Bars, Electrode Wires, Cold Drawn Bright Round Bars, Hot Rolled Hexagonal Bars, Pump Shaft Quality Bright Bars, HRAP Flat Bars, Cold Drawn Bright Flat Bars, Electro Polish Quality Wires, Hot Rolled Square Bars,

*Infinite possibilities. One solution.*



Hot Rolled Round Cornered Square Bars (RCS), HRAP Square Bars, Hot Rolled Flat Bars, Spring Hard Wires, General Purpose Wires, Peeled Bright Round Bars, Concast Square Billets, HRAP Hexagonal Bars, Hot Rolled Wire Rods, Forged Round Bars, Cold Drawn Bright Hexagonal Bars...



*India's most diversified producer of  
bright bars, profiles and wires.  
We manufacture all grades of carbon,  
alloy and stainless steel .*

## Where tradition meets **Innovation**

Jyoti Steel Industries started from humble beginnings in 1974, with a focus on providing quality products. Over time, as demand for its products increased, the company expanded its production capacity and product mix. Today, it offers a wide range of bright bars, profiles, and wires and has advanced, state-of-the-art facilities to serve international markets.

In the past two decades, Jyoti Steel Industries has grown significantly and is now one of India's top bright bar manufacturers and a leading exporter. Its facility, located in the state of Maharashtra, has easy access to steel markets, trading houses, and the Nhava Sheva port.

*Having built a strong reputation over the last 50 years, Jyoti Steel is now the preferred choice for customers worldwide.*

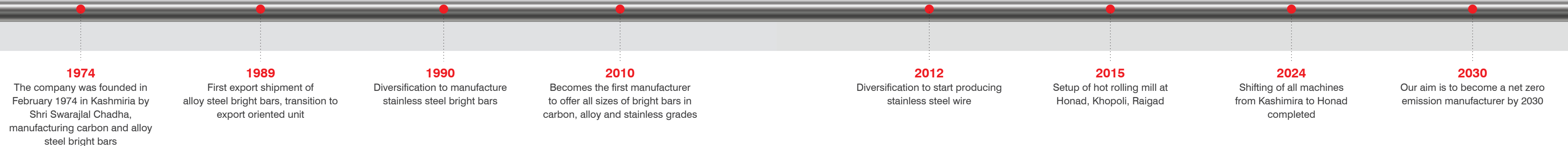


## Diverse Solutions, *one trusted name*

At Jyoti Steel Industries, we deliver an extensive range of precision-engineered products tailored to meet the evolving needs of our clients. Manufactured at our state-of-the-art facility in Khopoli, our offerings span across bright bars, profiles, and wires - available in a variety of shapes, grades, and sizes. Whether it's carbon, alloy, or stainless steel, each product reflects our commitment to quality, consistency, and craftsmanship.

	Bright Bars	Profiles	Wires
Shapes	Round, Hexagonal, Square	Angle, Flat	Round
Grades	Carbon, Alloy and Stainless	Stainless	Stainless
Sizes Range (mm)	Round: 3 mm to 200 mm Hexagonal: 5 mm to 60 mm Square: 5 mm to 60 mm	Angle: 20 x 20 x 3 mm to 100 x 100 x 10 mm Flat: 20 x 3 mm to 100 x 40 mm	0.8 mm to 10.0 mm
Sizes Range (inches)	Round: 1/8" to 8" Hexagonal: 1/4" to 2" Square: 1/4" to 2"	Angle: 3/4" x 3/4" x 1/8" to 4" x 4" x 1/2" Flat: 3/4" x 1/8" to 4" x 1 1/2"	0.0315" to 0.394"
Condition of Supply	Cold Drawn / Peeled Ground and Polished	Hot Rolled, Annealed and Pickled	Cold Drawn Bright Finish / Cold Drawn Matt Finish

## Built on vision, strengthened by **Experience**



# From Precision to Reliability, we shape every possibility.

Bright bars, profiles, and wires - shaped in a range of dimensions and grades - deliver the strength of carbon, the versatility of alloy, and the brilliance of stainless steel. Precision-made, quality-assured, and ready to perform.

## Carbon Steel and Alloy Steel Bright Round Bars



**Size Range:**  
mm ~ 3 mm to 200 mm (inches ~ 1/8" to 8")

**Length:**  
5.8 to 6.1 meters from 3 mm to 75 mm  
5.0 to 6.0 meters from 76 mm to 200 mm

**Supply Condition:**  
Cold Drawn + Polished from 3 mm to 60 mm  
Peeled + Polished from 63 mm to 200 mm

**Diameter Tolerances:**  
h8, h9, h10, h11, k12, k13, ASTM A484

**Surface Finish:**  
Ra 0.2 mm (8.7 RMS) or below

**Straightness:**  
1 mm per meter

**Specifications:**  
as per EN, DIN, JIS, ASTM, BS, ASME, GOST, AISI  
(NACE MR0175, MR0103)

## Stainless Steel Bright Round Bars



**Size Range:**  
mm ~ 3 mm to 150 mm (inches ~ 1/8" to 6")

**Length:**  
6.0 to 6.1 meters from 3 mm to 100 mm  
5.0 to 6.0 meters from 101 mm to 150 mm

**Supply Condition:**  
Cold Drawn + Centreless Ground + Polished  
from 3 mm to 25 mm  
Peeled + Centreless Ground + Polished  
from 26 mm to 75 mm  
Peeled + Polished from 76 mm to 150 mm

**Diameter Tolerances:**  
h8, h9, h10, h11, k12, k13, ASTM A484

**Surface Finish:**  
Ra 0.2 mm (8.7 RMS) or below

**Straightness:**  
1 mm per meter

**Specifications:**  
as per EN, DIN, JIS, ASTM, BS, ASME, GOST, AISI  
(NACE MR0175, MR0103)

## Carbon Steel Square and Hexagonal Bars



**Size Range:**  
mm ~ 5 mm to 60 mm (inches ~ 1/4" to 2")

**Length:**  
5.0 to 6.0 meters from 5 mm to 60 mm

**Supply Condition:**  
Cold Drawn + Straightened from 5 mm to 60 mm

**Diameter Tolerances:**  
h11, k12, k13, ASTM A484

**Specifications:**  
as per EN, DIN, JIS, ASTM, BS, ASME, GOST, AISI  
(NACE MR0175, MR0103)

## Stainless Steel Square and Hexagonal Bars



**Size Range:**  
mm ~ 5 mm to 60 mm (inches ~ 1/4" to 2")

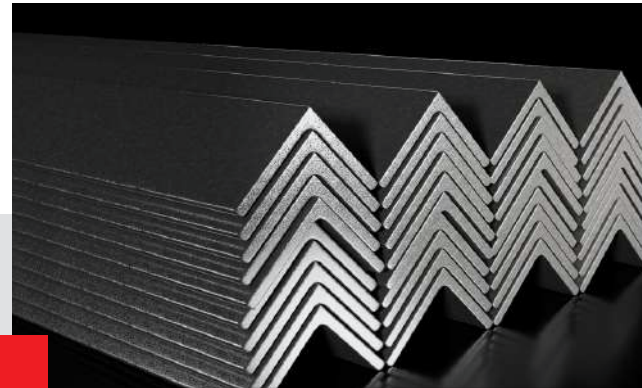
**Length:**  
5.0 to 6.0 meters from 5 mm to 60 mm

**Supply Condition:**  
Cold Drawn + Straightened from 5 mm to 60 mm

**Diameter Tolerances:**  
h11, k12, k13, ASTM A484

**Specifications:**  
as per EN, DIN, JIS, ASTM, BS, ASME, GOST, AISI  
(NACE MR0175, MR0103)

## Stainless Steel Angle Bars



### Size Range:

mm ~ 20 x 20 x 3 mm to 100 x 100 x 10 mm  
(inches ~ 3/4" x 3/4" x 1/8" to 4" x 4" x 1/2")

### Length:

6.0 to 6.1 meters from 20 x 20 x 3 mm  
to 100 x 100 x 10 mm

### Supply Condition:

Hot Rolled + Annealed + Pickled

### Diameter Tolerances:

ASTM A484, EN10056

### Straightness:

as per ASTM A484, EN10056

### Specifications:

as per EN, DIN, JIS, ASTM, BS, ASME, GOST,  
AISI (NACE MR0175, MR0103)

## Stainless Steel Flat Bars



### Size Range:

mm ~ 20 x 3 mm to 100 x 40 mm  
(inches ~ 3/4" x 1/8" to 4" x 1 1/2")

### Length:

6.0 to 6.1 meters from 20 x 3 mm to 100 x 40 mm

### Supply Condition:

Hot Rolled + Annealed + Pickled

### Diameter Tolerances:

ASTM A484, EN10058

### Straightness:

as per ASTM A484, EN10058

## Stainless Steel Wires



### Size Range:

mm ~ 0.8 mm to 10.0 mm  
(inches ~ 0.0315" to 0.394")

### Tensile Strength:

750 – 900 N/mm<sup>2</sup> for Bright Finish and  
600 – 750 N/mm<sup>2</sup> for Matt Finish (soft annealed)

### Supply Condition:

Cold Drawn + Annealed (Bright Finish or Matt Finish)

### Diameter Tolerance:

+/- 0.03 mm

### Packaging:

Metal Crown Carriers or Wooden Pallets

### Specifications:

as per EN, DIN, JIS, ASTM, BS, ASME, GOST, AISI  
(NACE MR0175, MR0103)

*Exporting to over  
40 countries and  
150 customers worldwide.*



## Engineered for you, built for the Future.

*Jyoti Steel Industries has a state-of-the-art production facility, equipped with advanced machinery to ensure superior product quality. The 'Schumag' Combined Drawing & Polishing Machine, 'Schumag' Grinding & Polishing Machine, and 'Cincinnati' Centreless Grinding Machine are some of the most prominent machines used at the facilities. Additionally, this cutting-edge technology is backed by a highly skilled and experienced technical team, ensuring seamless operations and consistent excellence in production.*



### Quality Assurance

At Jyoti Steel Industries, quality assurance begins with understanding customer requirements and extends through to the final delivery, ensuring complete customer satisfaction. Our well-defined and meticulously implemented quality control procedures guarantee that every product meets the highest standards.

### Incoming Inspection

The foundation of a superior final product lies in high-quality raw materials. Carefully selected, only the best raw materials are used to ensure efficiency, reliability, and adherence to international specifications. Each batch also undergoes rigorous inspection for:

- Physical Properties
- Chemical Properties
- Surface Quality
- Radioactive Testing
- Non-Destructive Testing

### In-Process Inspection

A detailed in-process quality control procedure enables operators, supervisors, and quality control inspectors to maintain precision at every stage of production. The production team plays a crucial role in ensuring consistent quality, with inspections covering:

- Dimensional properties – tolerance, lobing, out-of-roundness, length, and straightness
- Mechanical properties – tensile strength, elongation, yield, reduction of area, and core hardness
- Surface Finish
- Chemical Composition



### Finished Goods Inspection

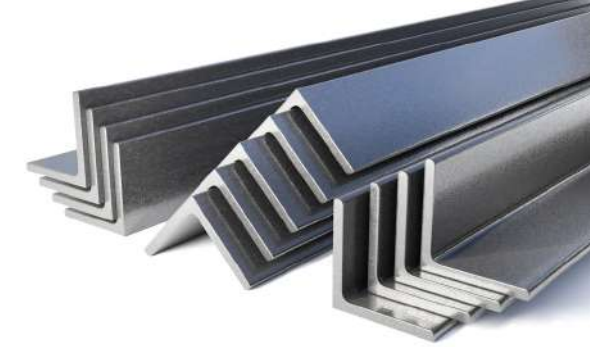
The final inspection process is conducted from the customer's perspective, ensuring compliance with international standards, including ASTM, DIN, EN, BS, AMS, ASME, QQS, MIL, JIS, and NACE.

The products meet specifications such as ASTM A193 / A276 / A479 / A582 & EN 10088-3, with test certifications conforming to Euro norm EN 10204 3.1B / DIN 50049 3.1B.

Finished goods are inspected for:

- Surface Finish
- Mechanical properties – tensile strength, elongation, yield, reduction of area, and core hardness
- Dimensional properties – tolerance, lobing, out-of-roundness, length, and straightness
- Packing, Colour Coding, and Marking
- Chemical Composition
- Radioactive Testing
- Non-Destructive Testing

A key aspect of the quality control is on-line inspection, where bars are assessed for surface quality and dimensional accuracy. All products meet international standards and are available in size tolerances of h11 / h9 or ASTM 484 / DIN 671. Each size is accompanied by a Mill Certificate, certifying chemical and mechanical properties, ensuring full compliance with required specifications.



*Annual  
production capacity of  
48,000 tons a year.*



### Packaging & Compliance

In adherence to international regulations, the bars are securely packed in approximately one-ton bundles, ensuring safe handling and transportation.

Each bundle is:

- Wrapped in polyethylene for moisture protection
- Provided with additional wire strapping and nylon belts for extra stability
- Wooden box packaging is available on request for pump shaft quality orders

To maintain transparency and traceability, each bundle is tagged at both ends, displaying essential details about the grade, size, quantity, length, heat number and bundle number of the steel inside.

# Driven by Expertise, Committed to Excellence.



## Rolling Mill

We operate one cross country rolling mill for rolling round, hexagonal, square, angle and flat bars. We have a monthly rolling capacity of 2000 tons per month.



## Production Team

We regularly conduct safety drills for all staff and workers, and we also have a workmen's compensation policy in place to ensure that they are covered for any medical emergency.



## Maintenance Workshop

Our in-house maintenance team is available 24/7 to attend to any machine breakdowns. Additional emphasis is placed on making sure that workers have a safe environment to work in.

## Wire Drawing Machines

We have a capacity to manufacture 500 tons of stainless steel wire per month, and are currently making general purpose wire as well as electrode grade wires



*With quality that speaks,  
finishes that impress, and  
innovation that leads,  
we turn every order into  
a promise kept.*

## Fully Automatic Two Roll Straightening Machine

Our fully automatic straightening machine is capable of straightening 8000 tons per month. We can achieve straightness of 0.5 mm per meter on this machine for bright round bars.



## Centerless Grinding Machine

We can achieve close tolerances and superior surface finish for bright round bars using the centreless grinding machines. We have a grinding capacity of 4000 tons per month.

## *A step towards a* **Greener Tomorrow.**

At Jyoti Steel Industries, we believe sustainability is not just a corporate responsibility - it is a necessity for securing the future of our planet. In an era where industries are central to global economic development, we recognize our vital role in mitigating environmental impact and promoting sustainable progress.

The steel sector currently ranks as the 5th largest CO<sub>2</sub> emitter globally, underscoring the urgent need for transformative change. Climate change, natural resource depletion, and escalating pollution levels demand immediate and decisive action. At Jyoti Steel, we are not only acknowledging these challenges - we are responding with purpose.

*Sustainability for us is not a peripheral initiative - it is a core value, a guiding force that shapes our decisions and drives innovation across every level of the organization.*



### **Our Sustainability Philosophy**

Sustainability is embedded in the DNA of our operations. We understand that responsible growth benefits all stakeholders - our employees, customers, communities, and the environment. Our approach is holistic: by aligning our goals with environmental, social, and governance (ESG) principles, we aim to create a resilient, forward-thinking business model that delivers both profitability and positive environmental impact.

### **A Net-Zero Vision: Roadmap to 2030**

We have set a target of achieving net-zero emissions by 2030. This commitment is backed by concrete actions and investments across our value chain:

#### **~ Installation of Solar Panels**

To reduce our dependence on conventional power sources, we are initiating a 1 MW solar panel project. Funded through a mix of bank financing and net cash accruals, this renewable energy initiative will help significantly lower our CBAM (Carbon Border Adjustment Mechanism) score and overall carbon emissions. Solar energy will power a substantial portion of our operations, providing clean, sustainable energy while reducing our environmental footprint.

#### **~ Use of Cleaner Fuels in Reheating Furnaces**

Our production process involves billet reheating furnaces and strand annealing furnaces - traditionally heavy contributors to carbon emissions. We are actively transitioning these systems to cleaner fuels such as Compressed Natural Gas (CNG). This shift will help us reduce greenhouse gas emissions without compromising on product quality, enabling us to continue delivering premium steel solutions in a more sustainable way.



### **~ Electrifying Our Logistics Fleet**

Transportation remains a significant contributor to industrial emissions. Currently, all raw materials and finished goods are transported via trucks. To address this, we are taking strategic steps to transition our fleet to electric trucks and cars. We are already in discussions with major automobile manufacturers and expect to begin sourcing electric vehicles over the next 4-5 years. This transition will substantially reduce our logistics-related emissions, reinforcing our broader decarbonization goals.

### **Building a Sustainable Legacy**

At Jyoti Steel Industries, we are committed to being part of the solution. As the steel industry stands at a crossroads—between continued growth and mounting environmental concerns—we are choosing innovation, responsibility, and sustainability.

We believe that by integrating sustainable practices into every facet of our operations, we can set a powerful example within the steel sector. Together, through purposeful action and a shared commitment to the planet, we can forge a cleaner, greener, and more resilient future.

# Accreditations & Certifications

At Jyoti Steel Industries, we don't just build with metal - we build with integrity. Every beam, every bar, and every bolt that carries our name is forged with precision, passion, and performance. Our ISO certifications are a testament to our commitment to quality, sustainability, safety, and innovation.

- *Quality Management System: ISO 9001:2015*
- *Construction Products Regulation - CPR - 305 / 2011*
- *Pressure Equipment Directive - PED - 2014 / 68 / EU*
- *Carbon Border Adjustment Mechanism - CBAM*
- *Authorized Economic Operator - AEO*



# Awards

Jyoti Steel Industries has consistently been recognized for its excellence in the manufacturing sector, receiving several prestigious awards at both state and national levels. Some of their most notable achievements in recent times include:

- *Top Exporter 2019-2020, Gold Trophy (Small Enterprise)*
- *Maharashtra State Award (Industries Ministry) 2023-2024*
- *EEPC India 2019-2020 Gold Trophy*
- *EEPC India 2018-2019 Gold Trophy*
- *Maharashtra State Award (Industries Ministry) 2017-2018*



The grades of steel that we can offer are as follows

Steel Type	Grade / Standards					
	AISI	SA	WNR	DIN	BS	EN
Carbon Steel	AISI 1018	SAE 1018	1.1141	CK15	070M15	En3B / En32B
Carbon Steel	AISI 1020	SAE 1020	1.1151	CK22	070M20	En3A
Carbon Steel	AISI 1045	SAE 1045	1.1191	CK45	080M46	En8D
Alloy Steel	AISI 4140	SAE 4140	1.7225	42CrMo4	0708M40	En19
Alloy Steel	AISI 8620	SAE 8620	1.6523	21NiCrMo2	SNCM220	-
Alloy Steel	AISI 5115	-	-	16MnCr5	S27M17	16MnCr5XD
Alloy Steel	-	-	-	20MnCr5	-	-
Free Cutting Steel	AISI 12L14	SAE 12L14	1.0780	11SMn30Pb	220M07Pb	En1AL
Free Cutting Steel	AISI 1214	SAE 1214	1.0715	11SMn30	220M07	En1A
Stainless Steel	201	-	1.4372	X12CrMnNiN17-7-5	284S16	-
Stainless Steel	202	-	1.4371	X3CrMnNiN18-8-2	-	-
Stainless Steel	204Cu	-	1.4597	X58CrMnCuN17-8-3	-	-
Stainless Steel	AISI 302	-	1.4319	X10CrNi18-9	-	-
Stainless Steel	AISI 303	-	1.4305	X8CrNi18-9	303S21	58M
Stainless Steel	AISI 304	-	1.4301	X5CrNi18-10	304S31	-
Stainless Steel	AISI 304L	-	1.4307	X2CrNi18-9	304S3	-
Stainless Steel	AISI 310S	-	1.4845	X12CrNi2521	310S24	-
Stainless Steel	AISI 316	-	1.4401	X5CrNiMo17-12-2	316S16	58J
Stainless Steel	AISI 316L	-	1.4404	X2CrNiMo17-12-2	316S13	-
Stainless Steel	AISI 316Ti	-	1.4571	X6CrNiMoTi17-12-2	-	-
Stainless Steel	AISI 321	-	1.4541	X6CrNiTi18-10	-	-
Stainless Steel	AISI 410	-	1.4006	X12Cr13	410S21	56A
Stainless Steel	AISI 416	-	1.4005	X12CrS13	416S21	-
Stainless Steel	AISI 420	-	1.4021	X20Cr13	420S37	-
Stainless Steel	AISI 430	-	1.4016	X6Cr17	430S15	60
Stainless Steel	AISI 430F	-	1.4104	X14CrMoS17	-	-
Stainless Steel	AISI 431	-	1.4057	X17CrNi16-2	431S29	57
Stainless Steel	AISI 630	-	1.4542	X5CrNiCuNb16-4	-	17-4PH
Duplex Steel	AISI 2205	-	1.4462	X2CrNiMoN22-5-3	-	-



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