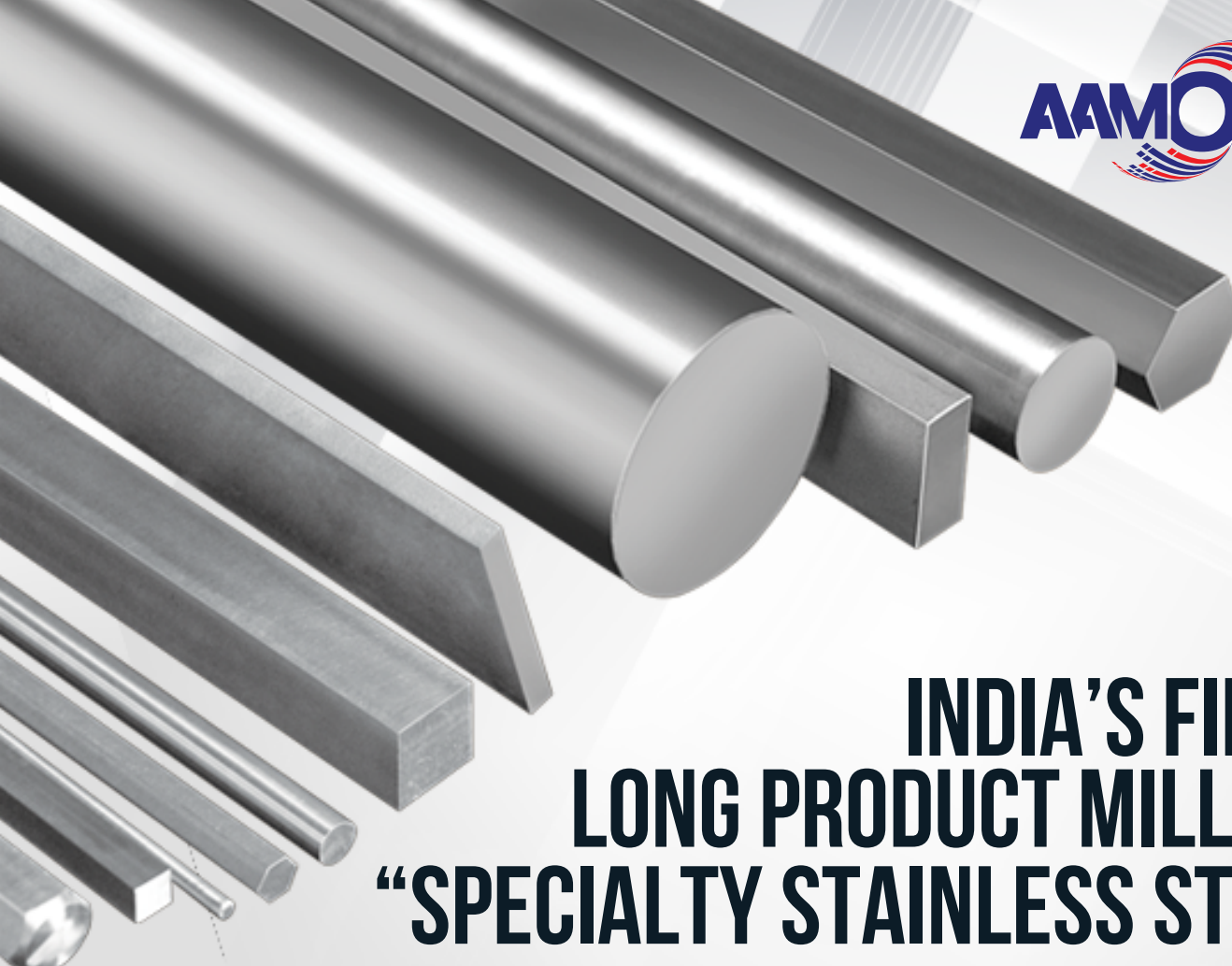




INDIA'S FINEST LONG PRODUCT MILL FOR “SPECIALTY STAINLESS STEEL”

We manufacture & market semi-finished and finished Specialty Long Steel products in Stainless steel, Tool steel, Alloy & Special Alloy Steels for Automotive, Oil & Gas, Chemical & Petrochemical, Food & Dairy, Nuclear & Aerospace industries in over 60 countries worldwide, in following product categories -

- **Bright Bars & Smooth Turned Round Bars**
- **Precision Bars incl. Pump Shaft / Piston Shaft Quality Bars (PSQ)**
- **Cold Drawn Squares, Hexagons & Flat Bars**
- **HRAP Flats & Angles and Hot Rolled Bars & RCS**

We produce materials in a wide-ranging steel grades like Austenitic, Ferritic, Martensitic, Duplex, 17-4ph & Alloy Steels like 42CrMo4, 50CrMo4, 4140, 4340 etc in various heat treatment conditions including Quenched Tempered etc.

Though our company's pedigree goes back to 1970, Aamor Inox was established in the year 2014. Our manufacturing facilities are located in Sahibabad (Uttar Pradesh), India.

Our production facility is equipped to process 75,000 tons (per year) of Steel bars. This makes us one of the largest privately held bright bar companies in India, while keeping us small enough to meet our customer's individual needs.

MANUFACTURING FACILITIES

Hot Rolling Mills

Depending on your industry, we have the right solution for you. It can be anything from Round Bars, Hexagons, Squares or even Angles & Flat Bars, in a very elaborative size range; we are your one-stop shop.

Our hot-rolling mills are flexible, and offer customized solutions supported by an in-depth knowledge of technological process, high-performance control systems, reliable drive systems and a comprehensive understanding of hot rolling technology –

- 360mm 3-High Intermediate mills & 2-High Finishing mill
- Mill equipped with semi-automatic Tilters & Manipulator
- Gas fired heating for blooms (generates lesser scaling and provides better Decarb Control with Good Surface).
- Slow Cooling Pits for special grade bars

Heat Treatment Furnaces

Aamor Inox’s ultramodern fully-automatic Heat Treatment furnaces provide an unmatched mechanical properties into the materials. The Oil & Water Quenching tanks are equipped with a very strong agitation mechanism. This assures faster cooling curves (during Quenching process). This makes Aamor Inox a leader for all heat-treated Stainless, Alloys & Tool steels like – 410, 416, 420, 420F, 430F, 431, Duplex F51, 17-4ph, 1.4418, 310S, 4140, 4340, 42CrMo4, 40NiCrMoO4, 8620, H11, H13 etc

- **Capacity:** 30T/ batch (lengths-7.60 meters, 26 foot)
- **Temperature Uniformity:** +/- 3 degrees C
- **Quench Delay:** 30 seconds
- **Conforming to:** AMS 2750E, NORSOK, API-6A

Heat Treatments available with Aamorinox are –

- QT, Oil Quenching & Tempering: QT 650, QT 700, QT 800, QT 900 etc
- QDT, Oil Quenching & Double Tempering
- HT, Hardening & Tempering (condition T)
- Precipitation Hardening & Ageing: HH1150, H1150M, H1050, H900 etc
- Annealing, Solution Annealing & Spheroidizing Annealing

Cold Finishing Facility

Aamor Inox’s cold-finishing facility is regarded as one of the most advanced Bars finishing facility in India –

- Fully-Automatic & Fully Integrated: Entire operations in a single line for 18mm upto 150mm finished dia in lengths upto 8.5 meters (28 foot)
- Equipped with a very advanced high-precision cutter heads for achieving desired roundness, ovality and lobing in the peeled bars.
- Equipped with advanced Laser size measurement system – from Zumbach & an in-line Fully Automatic Double End Chamferring machine.

Besides, there are finishing lines for Coil-to-Bar cold drawing, Bar-to-Bar drawing, HRAP Angles / Flat Bars and over 20 Centreless Grinding Machines to support the bar finishing operations.

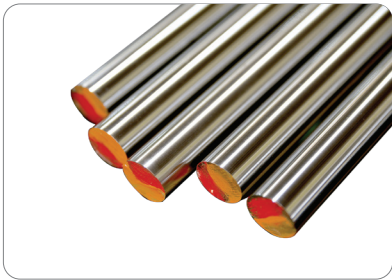


PRODUCTS

Round Bars



Bright Round Bars
5 mm – 100 mm
(3/16 – 4 inch)



Smooth Turned Bars
20 mm – 150 mm**
(3/4 – 6 inch)



Hot Rolled Black Bars
20 mm – 150 mm**
(inch sizes not available)

Precision & Accuracy Bars



Piston Rod Quality Bars
6 mm – 100 mm
Tolerances: h6, h7, h8, h9



Pump Shaft Bars (PSQ)
1/2 – 4 inch
Tol. upto: +0.000/-0.001"



Swiss Quality Bars
1/2 – 2 inch
Tolerance: +/-0.0005"

Cold Drawn Sections



Hexagons (cold drawn)
12 mm – 50 mm
(1/2 – 2 inch)



Squares (cold drawn)
12 mm – 80 mm
(1/2 – 3 inch)

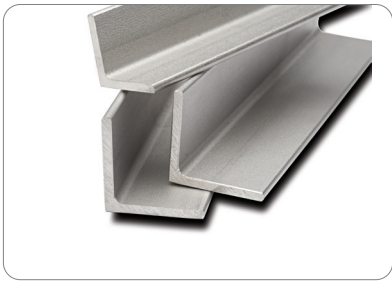


Flat Bars (cold drawn)
25x5 mm – 100x50 mm
(Pls contact us for inch size)

HRAP Sections & Wire Rods



Flat Bars (HRAP)
20x5 mm – 120x40 mm
(0.75 x 0.25 – 5.0 x 1.5 inch)



Angles (HRAP)
25x25x3mm – 100x100x10mm
(0.75 x 0.25 – 5.0 x 1.5 inch)



Wire Rods (HRAP)
5.5 mm – 16 mm**

** the size range varies grade-wise. Please check with the mill for actual size available in your steel grades.

GRADES

We produce over 150 grades in Stainless steels, Alloy Steels & Tool Steels and some of our regular grades are as following –

AUSTENITIC STEELS	
EN	ASTM
1.4305	303
1.4570	303 Cu
1.4307	304 L
1.4567	304 Cu
1.4948	304 H
1.4311	304 LN
1.4828	X15CrNiSi20 - 12
1.4845	310 S
1.4841	314
1.4404	316 L
1.4571	316 Ti
1.4919	316 H
1.4406	316 LN
1.4435	316 L
1.3952	X2CrNiMoN18 - 14-3
1.4438	317 L
1.4541	321
1.4878	321 H
1.4550	347
---	347 H
1.4539	904 L
1.4372	201
1.4373	202
1.4597	204 Cu
Nitronic 50	XM - 19

DUPLEX STEELS	
EN	ASTM
1.4462	F 51
1.4362	2304

FERRITIC STEELS	
EN	ASTM
1.4105	409 Ti
1.4104	430 F
1.4511	430 LNb

MARTENSITIC STEELS	
EN	ASTM
---	403
1.4006	410
1.4005	416
1.4021	420
1.4028	420 B
1.4034	420 C
---	420 F
---	420 Mod
1.4057	431
---	Super 13 Cr Type
1.4313	F6-NM
1.4913	X19CrMoVNbN11 - 1
1.4923	X22CrMoV12 - 1
1.4122	X39CrMo17 - 1

TOOL STEELS	
EN	ASTM
1.2343	H11
1.2344	H13
1.2714	L6
1.2363	A2

ALLOYS & ENGINEERING STEELS	
ASTM	ASTM
EN-19	4130
EN-36C	4240
EN-39B	4140H
EN-41B	4145
42CrMo4	4140
42CrMo4S	4340H
52100	L7
8620	B7

PRECIPITATION HARDENING STEELS	
EN	ASTM
1.4542	17-4 PH / 630
1.4545	15-5 PH VIM VAR

QUALITY ASSURANCE

In order to ensure quality at every process, Aamor Inox has well-equipped Laboratory with modern testing facilities aswell as well-documented procedures to assure its product quality. In-house testing facilities available with us are–

Crack Testing Machines

- Fully-automatic Eddy-current testing (Circograph) by Dr Foerster, Germany – for detection of surface & subsurface flaws with 0.15 mm min detectability.
- Ultrasonic Testing machines (for internal Quality Inspection) – for testing of Internal Soundness
- MPI machines (for surface Quality Inspection) for detection of surface & subsurface flaws

Other Testing Facilities

- XRF Handheld Spectrometers
- Radiation Servo Meters for checking of radiation levels
- Bar Straightness Testing
- Surface Roughness Testing
- Bars out-of-roundness testing

Mechanical Testing Facilities

- Tensile Strength
- Hardness (HRC, HV, HB)
- Elongation
- Reduction
- Proof Strength
- Notched Bar Impact Testing
- Torsion test
- Jominy Hardenability Appratus

Metallographic Testing Facilities

- Microstructure
- Macrostructure
- Defect Depth
- Internal Structure
- IGC Testing
- Delta Ferrite Measurement
- Non Metallic Inclusion Rating (as per AST M E45 & DIN 50602–K4 method)

Our Certificates & Approvals

- ISO 9001:2015
- AS 9100-D / EN 9100-D
- CE Marking - Construction Product Regulation (CPR) CPR-305/2011
- AD 2000-Merkblatt W0/TRD 100
- PED - Pressure Equipment Directive (2014/68/EU)
- Shipbuilding Material Manufacturer Certificate
- NORSOK