

HOT ROLLED RCS STAINLESS

BRIGHT BARS BLOOMS

HEXAGON BARS BLOOMS

FORGING QUALITY INGOTS

DUPLEX STEELS ANGLES SQUARE BARS ANGLES H

FLAT BARS HOT ROLLED ROUND BARS SQUARE BA

SQUARE & HEXAGONAL BRIGHT BARS ANGLES CONTI

PRECIPITATION HARDENING STEELS THREADED BA

FORGING QUALITY INGOTS HOT ROLLED RC DUPLEX

ANGLES CHANNELS BLOOMS INGOTS BILLETS STA

BRIGHT BARS STAINLESS FLAT BARS FORGED ANI

FORGED AND PROOF MACHINED BARS INGOTS HAR

SQUARE BARS DUPLEX STEELS ANGLES CONTINUOU

CONTINUOUS CAST BILLETS / BLOOMS HOT ROLLED

HOT ROLLED RCS HEXAGON BARS STAINLESS FLAT B

BLOOMS SQUARE & HEXAGONAL BRIGHT BARS SQUAR

FORGING QUALITY INGOTS ROUND BARS STAINLESS

DUPLEX STEELS ANGLES SQUARE BARS CHANNELS

FLAT BARS HOT ROLLED ROUND BARS THREADED BA

STAINLESS STEEL HOT ROLLED RCS BILLETS ANGLES

HEXAGON BARS CONTINUOUS CAST BILLETS / BLOO

ROUND BARS BRIGHT BARS ANGLES INGOTS BILLET

HOT ROLLED RCS HEXAGON BARS STAINLESS FLAT B

DUPLEX STEELS FLAT BARS FORGING QUALITY INGOT

ANGLES CONTINUOU

LAXCON STEELS LIMITED

HEXAGON BARS FLAT

LAXCON
THE "STAIN" LESS PEOPLE

INTEGRATED APPROACH TO MAKING **WORLD CLASS** **STAINLESS**

square bars channels billets bright bars flat bars hot rolled rcs blooms ingots duplex steels hexagon bars duplex s
forging quality ingots duplex steels square bars equal angles un-equal angles threaded bars precision shaft quality ba
duplex steels precipitation hardening steels flat bars channels bright bars threaded bars channels flat bars angles



Steel Melting Shop (SMS)



Steel Melting Shop (SMS)



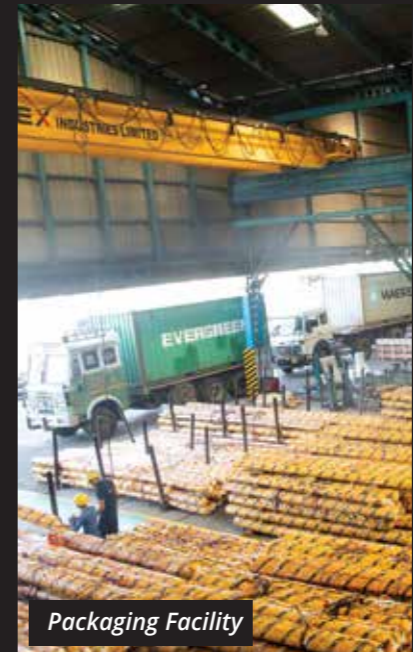
Steel Melting Shop (SMS)



Cold Finishing Facility



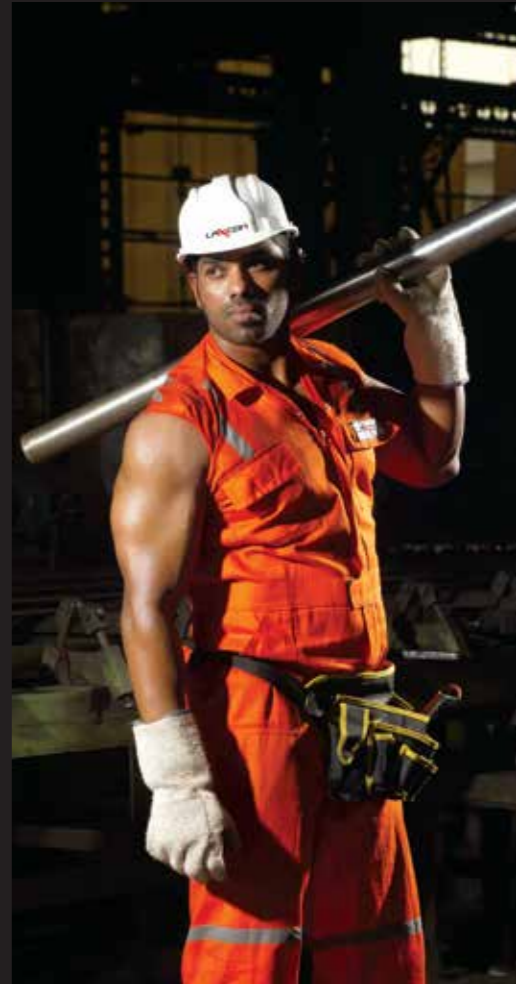
Advance Hot Rolling Mills



Packaging Facility



Heat Treatment Facilities



BUILT FOR GLOBAL **STAINLESS IMPACT**

Great companies are built when they do not steer away from their core competence and invest all their energy in mastering their art.

Since 1978, Laxcon has steered its organizational capability in only one direction – to make the finest steel. Over the years, the high standards of quality and customer delight is achieved by investing in people, process that emanate out of singular focus.



Manufacturing facility: Ahmedabad, Gujarat, India

Based out of the industrial state of Gujarat, our manufacturing plants are built for scale and efficiency. It is one of the most technologically advanced stainless steel manufacturing company in India. It utilizes a wide range of modern steel manufacturing techniques and accurate melting statistics along with stringent monitoring processes.

140,000

*MT / per annum
Production capacity*

1500+

*Experienced
team members*

82+

Global exports




Manufacturing facility: Ahmedabad, Gujarat, India


45+ YEARS OF STAINLESS EVOLUTION

Our journey of global footprints arises from our singular focus of sticking to our core competency - steel. Over the years, we kept ploughing capital back into the business to improve our capabilities and upgrade our infrastructure that empowers us to consistently produce the finest stainless steel.


1978
Started with **HOT & COLD ROLLING MILL** for SS Sheets in Delhi




1985
1 MT. INDUCTION FURNACE producing **SS INGOTS** in Delhi




1991
Acquired **3 MT INDUCTION FURNACE** in Chennai




1994
Acquired **3 MT INDUCTION FURNACE** in Delhi




1996
Acquired another **3 MT INDUCTION FURNACE** in Delhi




2002
Acquired **3 MT INDUCTION FURNACE** in Ahmedabad




2003
10 MT AOD installed in Ahmedabad




2005
Added **CONTINUOUS CASTER (CCM)**




2006
Started **BRIGHT BAR** Manufacturing facility




2007
Installation of **20" ROLLING MILL**




2009
Added another **12" ROLLING MILL**




2010
Acquired **8 MT. INDUCTION FURNACE** in Ghaziabad, UP




2011
Installed **LADLE REFINING FURNACE & VACUUM DEGASSING**




2012
Added **EMS & AMLC**




2015
Enhanced Capacities with **25 MT INDUCTION FURNACE & AOD OF 35 MT**



2018
Installation of **ESR**

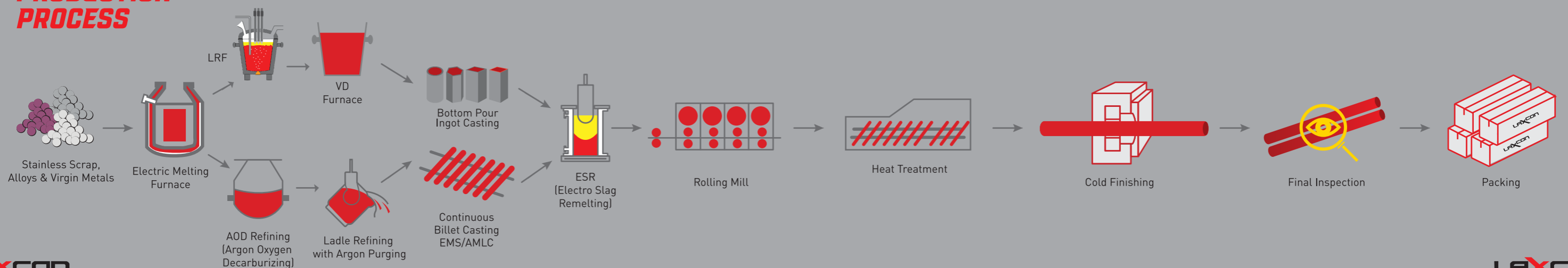


2019
Acquired another unit having **TWO ROLLING MILLS 14" & 16"**



& BEYOND
Our growth story continues

PRODUCTION PROCESS



ABSOLUTE CONTROL AND UNMATCHED SCALE IN OUR PRODUCTION PROCESS

STEEL MELTING SHOP (SMS)



Our focus and expertise yields us precise control over chemical and mechanical properties.

We produce high quality Stainless Steels, Alloy Steels and Tool Steels, Billets & Blooms in our advanced Steel Melting Shop.

We employ a range of state-of-the-art steel making technologies. Every batch is monitored and recorded by a robust production control system with precise melting data. We ensure tight adherence to special material properties.

- Electric Melting Furnaces - 140,000 Metric Ton Capacity per Annum
- Electro - Slag Re-melting Furnace (ESR)
- Argon Oxygen Decarburization (A.O.D) Converter with Automatic Gas Mixing Station
- LRF (Ladle Refining Furnace)
- VD/VOD (Vacuum Degassing / Vacuum Oxygen Decarburizer)
- Cored Wire Injector
- Billet / Bloom / Round Twin-strand Continuous Caster of 9/16 Metre Radius, PLC Operated with Mould Electro Magnetic Stirrer (M-EMS & AMLC)
- Bottom Poured Ingot Casting up to 22 M.T.
- FES (Fume Extraction System)

ADVANCE HOT ROLLING MILLS



Our steel shapes up with precision and accuracy in our robust rolling lines.

Our robust rolling lines are a result of our perseverance towards forward integration and this gives us the ability to roll steel with consistency.

- 20"-5 stand Semi-Automatic Cross-Country Mill equipped with Descaler
- 16"-6 Stand Semi-Automatic Cross Country Mill equipped with Descaler
- 12"-6 Stand Semi-Automatic Cross Country Mill equipped with Descaler
- Billet reheating pusher type Furnace (Automatic)
- Online Hot Saw Cutting facility
- HMD (Hot Metal Discharge) for monitoring input and output

HEAT TREATMENT FACILITIES



In order to accomplish customer specific material, quality and mechanical properties, Laxcon Steels has state-of-the-art heat treatment facilities.

Our PLC controlled heat treatment furnaces gives us precise control over temperature, resulting in greater uniformity and thereby achieve excellent mechanical properties. Our specially designed heat treatment furnace can treat bars up to 7 metre.

- Two PLC controlled Electrical Tempering furnaces - 10 MT Cap. & 18 MT Cap.
- Two Gas fired PLC controlled Soft Annealing furnaces - 35 MT Cap. & 40 MT Cap.
- Three Gas fired PLC controlled Solution Annealing furnaces - 6 MT each
- Water quenching tank for Solution Annealing - 35 KL capacity
- Oil quenching tank for Hardening - 35/60 KL capacity

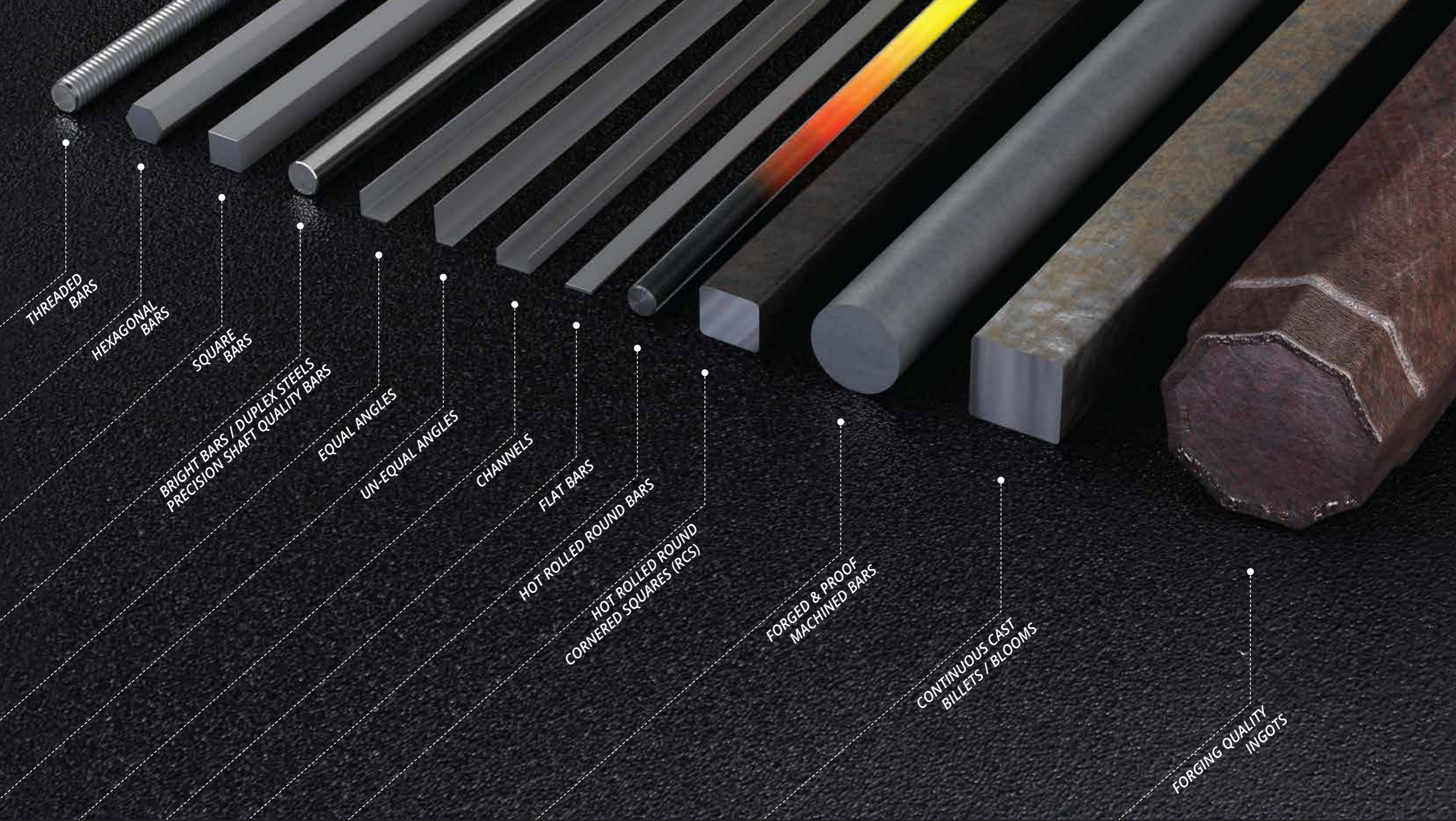
COLD FINISHING FACILITY



We offer a wide tolerance range, sizes and finishing options.

We produce Bright Bars and Precision Shaft Bars owing to our versatile automatic bar processing and finishing lines.

- Automatic Bar Peeling Lines
- Automatic Bar Polishing Lines
- Belt Polishing Machines
- Centreless Grinding Machines
- Combined Wire Drawing Machines
- Automatic Draw Benches
- Bar Straightening Machines
- Section Straightening Machines
- Section Polishing Machines
- Automatic Chamfering Machines
- Grit Polishing Machines
- Band Saw Cutting Machines
- Shot Blasting Line
- Thread Bar Rolling



THREADED
BARS

HEXAGONAL
BARS

SQUARE
BARS

BRIGHT BARS / DUPLEX STEELS
PRECISION SHAFT QUALITY BARS

EQUAL ANGLES

UN-EQUAL ANGLES

CHANNELS

FLAT BARS

HOT ROLLED ROUND BARS

HOT ROLLED ROUND
CORNERED SQUARES (RCS)

FORGED & PROOF
MACHINED BARS

CONTINUOUS CAST
BILLETS / BLOOMS

FORGING QUALITY
INGOTS

COMPREHENSIVE STAINLESS PRODUCT RANGE

Our integrated manufacturing edge gives us the ability to produce steel in a variety of finishes, surface options and profiles. Our bright bars and precision shaft bars are reputed for their quality and metallurgy. Our ingots and RCS are popular among processors who use it for further machining.

BRIGHT BARS

We offer superior quality Stainless Steel Bright Bars in various finish options.

Size Range

5 mm to 115 mm (3/16" - 4-1/2")

Supply Conditions

- Length - upto 6.5 metres
- Cold Drawn, Centreless Ground, Peeled & Polished, Rough Peeled or Smooth Turned Bars
- Tolerance - h7, h8, h9, h10, h11, k12, k13
- Surface Finish Ra upto 0.2 mm (8.7 RMS)
- Straightness upto 0.5 mm per metre
- Grit Polish - K240, K320 or as per Customer's requirement
- Heat Treatment - Soft Annealing, Solution Annealing, Oil & Water Quenching, Tempering & Aging
- Bars End Finish - Chamfered ends, 30°, 45°, 60° and Plain Ends without Burrs or Sharp Edges

- Specifications - as per EN, DIN, JIS, ASTM, BS, ASME, GOST, AISI/Nace MRO175, MR0103
- Free from Radioactive elements, Mercury & Lead contamination
- Grade confirmation through PMI testing with Handheld Spectrometers



PRECISION SHAFT QUALITY BARS

Size Range

16 mm - 68 mm (5/8" - 2-11/16")

Supply Conditions

- Length - upto 6.4 metres
- Tolerance - h7, h8, h9, j6, f7, f8
- Straightness - 0.015" TIR per 10 ft.
- Heat Treatments - Soft Annealing, Solution Annealing, Quench & Tempered
- Free from Radioactive elements, Mercury & Lead contamination
- Grade confirmation through PMI testing with Handheld Spectrometers



HEXAGONAL BRIGHT BARS

Size Range

14 mm - 55 mm (5/9" - 2 1/6")

Supply Conditions

- Length - upto 6 metres
- Tolerance - h11, k12, k13
- Grit Polish as per customer's request
- Heat Treatment - Solution Annealed, Oil & Water Quenched / Tempered
- Bars End Finish - Chamfered Ends, Plain Ends without Burrs or Sharp Edges
- Specifications - As per EN, DIN, JIS, ASTM, BS, ASME, AISI, etc.

- Grade confirmation through PMI testing with Handheld Spectrometers
- Free from Radioactive elements, Mercury & Lead contamination



SQUARE BRIGHT BARS

Size Range: 12.70 mm - 55 mm (1/2" - 2-1/6")

Supply Conditions

- Length - upto 6 metres
- Tolerance - h11, k12, k13
- Grit Polish as per customer's request
- Heat Treatment - Solution Annealed, Oil & Water Quenched / Tempered
- Bars End Finish - Chamfered Ends, Plain Ends without Burrs or Sharp Edges
- Specifications - As per EN, DIN, JIS, ASTM, BS, ASME, AISI, etc.
- Grade confirmation through PMI testing with Handheld Spectrometers
- Free from Radioactive elements, Mercury & Lead contamination



HRAP FLAT BARS

Supply Conditions

- Length - upto 6.4 metres
- Hot Rolled, Annealed & Pickled (HRAP)
- Tolerance - ASTM A484, EN 10058
- Both ends are color coded as per the customers specific requirement
- Specifications - As per EN, DIN, JIS, ASTM, BS, ASME, AISI, etc.
- Inkjet printing as per grade & size
- Free from Radioactive elements, Mercury & Lead contamination
- Grade confirmation through PMI testing with Handheld Spectrometers



Size mm	Thickness (mm)	Size (inch)	Thickness (inch)
22	17, 18	7/8"	2/3" - 5/7"
25	5, 6, 8, 10, 12, 15, 20	1"	3/16", 1/4", 5/16", 2/5", 15/32", 3/5", 4/5"
26	11, 13, 16, 21	1-3/127"	7/16", 64/125", 5/8", 5/6"
30	5, 6, 8, 10, 12, 15, 20	1-3/16"	3/16", 1/4", 5/16", 2/5", 15/32", 3/5", 4/5"
32	5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 20, 21	1-1/4"	3/16", 1/4", 5/16", 23/64", 2/5", 7/16", 15/32", 64/125", 3/5", 5/8", 4/5", 5/6"
35	5, 6, 8, 10, 12, 15, 20	1-3/8"	3/16", 1/4", 5/16", 2/5", 15/32", 3/5", 4/5"
38	5, 6, 8, 10, 12, 15, 20	1-1/2"	3/16", 1/4", 5/16", 2/5", 15/32", 3/5", 4/5"
40	5, 6, 8, 10, 12, 15, 20, 25	1-4/7"	3/16", 1/4", 5/16", 2/5", 15/32", 3/5", 4/5", 1"
42	9, 11, 13, 16, 21, 26, 31	1-2/3"	23/64", 7/16", 64/125", 5/8", 5/6", 1-3/127", 1-2/9"
45	5, 6, 8, 10, 12, 15, 20, 25	1-7/9"	3/16", 1/4", 5/16", 2/5", 15/32", 3/5", 4/5", 1"
50	5, 6, 8, 10, 12, 15, 20, 25, 30, 32, 40	2"	3/16", 1/4", 5/16", 2/5", 15/32", 3/5", 4/5", 1", 1-3/16", 1-1/4", 1-4/7"
52	11, 13, 16, 21, 26, 32, 42	2-1/16"	7/16", 64/125", 5/8", 5/6", 1-3/127", 1-1/4", 1-2/3"
55	5, 6, 8, 10, 12, 15, 20, 25	2-3/16"	3/16", 1/4", 5/16", 2/5", 15/32", 3/5", 4/5", 1"
57	32	2-1/4"	1-1/4"
60	5, 6, 8, 10, 12, 15, 20, 25, 30, 32, 35, 40	2-3/8"	3/16", 1/4", 5/16", 2/5", 15/32", 3/5", 4/5", 1", 1-3/16", 1-1/4", 1-3/8", 1-4/7"
63	10, 11, 12, 13, 15, 16, 20, 21, 25, 30, 32, 42	2-1/2"	2/5", 7/16", 15/32", 64/125", 3/5", 5/8", 4/5", 5/6", 1", 1-3/16", 1-1/4", 1-2/3"
65	10, 12, 15, 20, 25, 30, 35, 40	2-5/9"	2/5", 15/32", 3/5", 4/5", 1", 1-3/16", 1-3/8", 1-4/7"
70	6, 8, 10, 12, 15, 20, 25, 30, 34, 40	2-3/4"	1/4", 5/16", 2/5", 15/32", 3/5", 4/5", 1", 1-3/16", 1-1/3", 1-4/7"
72	11 & 21	2-5/6"	7/16", 5/6"
75	8, 10, 12, 15, 20, 25, 35, 40	3"	5/16", 2/5", 15/32", 3/5", 4/5", 1", 1-3/8", 1-4/7"
80	8, 10, 12, 15, 20, 30, 40, 50	3-1/8"	5/16", 2/5", 15/32", 3/5", 4/5", 1-3/16", 1-4/7", 2"
82	11, 16, 21, 31	3-1/4"	7/16", 5/8", 5/6", 1-2/9"
90	8, 10, 12, 15, 20, & 50	3-1/2"	5/16", 2/5", 15/32", 3/5", 4/5", & 2"
92	13 & 21	3-5/8"	64/125", 5/6"
100	6.35, 8, 10, 12	4"	1/4", 5/16", 2/5", 15/32"
102	11 & 13	4-2/125"	7/16", 64/125"
150	8, 10, 12, 15, 20	5-29/32"	5/16", 2/5", 15/32", 3/5", 4/5"

COLD DRAWN FLAT BARS

Supply Conditions

- Length - 2 metres – 6 metres (8 feet to 20 feet)
- Tolerance - h11 and ASTM A 484
- Length Tolerances - Available in special cut to length bars in tolerance -0/+10 mm (-0/+0.5 inch)
- Surface Finish - Cold Drawn and Pickled Condition
- Heat Treatment - Solution Annealed
- Grades - AISI:304L, 316L, 316Ti, 321, DIN: 1.4307, 1.4404, 1.4571, 1.4541
- Inkjet printing as per grade & size.

Size mm	Thickness (mm)	Size (inch)	Thickness (inch)
25	10, 12, 15, 20	1"	2/5", 15/32", 3/5", 4/5"
30	8, 10, 12, 15, 20	1-3/16"	5/16", 2/5", 15/32", 3/5", 4/5"
40	8, 10, 12, 15, 20, 25, 30	1-4/7"	5/16", 2/5", 15/32", 3/5", 4/5", 1", 1-3/16"
50	10, 12, 15, 20, 25, 30, 40	2"	2/5", 15/32", 3/5", 4/5", 1", 1-3/16", 1-4/7"
60	10, 12, 15, 20, 30, 40	2-3/8"	2/5", 15/32", 3/5", 4/5", 1-3/16", 1-4/7"
64	33	2-1/2"	1-2/7"
70	10, 20	2-3/4"	2/5", 4/5"
80	10, 15, 20, 30	3-1/7"	2/5", 3/5", 4/5", 1-3/16"
90	12, 20	3-1/2"	15/32", 4/5"
100	10, 12	4"	2/5", 15/32"

HRAP EQUAL ANGLES

Supply Conditions

- Length - upto 6.4 metres
- Tolerance - ASTM A484, EN10056
- Hot Rolled, Annealed & Pickled (HRAP)
- Shot Blasting
- Grit Polish - As per customer's request
- Bars End Finish - Deburred Ends, Plain Ends without Burrs or Sharp Edges
- Specifications - As per EN, DIN, JIS, ASTM, BS, ASME, AISI, etc.
- Grade confirmation through PMI testing with Handheld Spectrometers

- Free from Radioactive elements, Mercury & Lead contamination
- Inkjet printing as per grade & size



Size mm	Thickness (mm)	Size (inch)	Thickness (inch)
19.05 X 19.05	3.17	3/4" X 3/4"	1/8"
20 X 20	3	4/5" X 4/5"	1/8"
25 X 25	3, 4, 5, 6	1" X 1"	1/8", 1/6", 3/16", 1/4"
30 X 30	3, 4, 5	1-1/6" X 1-1/6"	1/8", 1/6", 3/16"
32 X 32	3, 4, 5, 6	1-1/4" X 1-1/4"	1/8", 1/6", 3/16", 1/4"
35 X 35	3, 4, 5	1-3/8" X 1-3/8"	1/8", 1/6", 3/16"
38.1 X 38.1	3.17, 4.76, 6.35	1-1/2" X 1-1/2"	1/8", 3/16", 1/4"
40 X 40	3, 4, 5, 6	1-4/7" X 1-4/7"	1/8", 1/6", 3/16", 1/4"
45 X 45	3, 4, 5, 6	1-7/9" X 1-7/9"	1/8", 1/6", 3/16", 1/4"
50 X 50	3, 4, 5, 6, 9.52	2" X 2"	1/8", 1/6", 3/16", 1/4", 3/8"
60 X 60	5, 6	2-3/8" X 2-3/8"	3/16", 1/4"
63 X 63	5, 6, 9.52	2-1/2" X 2-1/2"	3/16", 1/4", 3/8"
65 X 65	5, 6	2-5/9" X 2-5/9"	3/16", 1/4"
70 X 70	6, 7, 8, 9, 10	2-3/4" X 2-3/4"	1/4", 9/32", 5/16", 3/8", 2/5"
75 X 75	6, 7, 8, 9, 10, 12	3" X 3"	1/4", 9/32", 5/16", 3/8", 2/5", 1/2"
80 X 80	6, 7, 8, 9, 10	3-1/8" X 3-1/8"	1/4", 9/32", 5/16", 3/8", 2/5"
90 X 90	6, 9	3-1/2" X 3-1/2"	1/4", 3/8"
100 X 100	6, 8, 9, 10	4" X 4"	1/4", 5/16", 3/8", 2/5"
101.6 X 101.6	6.35, 9.52	4" X 4"	1/4", 3/8"

HRAP UN-EQUAL ANGLES

Length upto 6.4 metres

Tolerance - ASTM A484, EN10056

Heat treatment process: Hot Rolled, Annealed & Pickled (HRAP)

Grit polish: As per customer's request

Specifications: As per EN, DIN, JIS, ASTM, BS, ASME, AISI, etc.

Bar ends: Deburred Ends, Plain Ends without Burrs or Sharp Edges.

- Grade confirmation through PMI testing with Handheld Spectrometer.
- Free from Radioactive elements, Mercury, and Lead contamination.
- Inkjet printing as per grade and size.



Size mm	Size (inch)
25X15X5	1"X3/5"X3/16"
30X15X3	1-1/6"X3/5"X1/8"
30X20X3	1-1/6"X4/5"X1/8"
30X20X4	1-1/6"X4/5"X1/6"
40X20X3	1-4/7"X4/5"X1/8"
40x20x4	1-4/7"X4/5"X1/6"
40x20x5	1-4/7"X4/5"X3/16"
40x20x6	1-4/7"X4/5"X1/4"
40X30X5	1-4/7"X1-1/6"X3/16"
40X30X6	1-4/7"X1-1/6"X1/4"
45X30X4	1-7/9"X1-1/6"X1/16"
45X30X5	1-7/9"X1-1/6"X3/16"
45X30X6	1-7/9"X1-1/6"X1/4"
45X40X5	1-7/9"X1-4/7"X3/16"

Size mm	Size (inch)
50X25X4	2"X1"X1/6"
50X25X5	2"X1"X3/16"
50X25X6	2"X1"X1/4"
50X30X4	2"X1-1/6"X1/6"
50X30X5	2"X1-1/6"X3/16"
50X30X6	2"X1-1/6"X1/4"
50X40X4	2"X1-4/7"X1/6"
50X40X5	2"X1-4/7"X3/16"
50X40X6	2"X1-4/7"X1/4"
60X30X4	2-3/8"X1-1/6"X1/6"
60X30X5	2-3/8"X1-1/6"X3/16"
60X30X6	2-3/8"X1-1/6"X1/4"
60X40X4	2-3/8"X1-4/7"X1/6"
60X40X5	2-3/8"X1-4/7"X3/16"

Size mm	Size (inch)
60X40X6	2-3/8"X1-4/7"X1/4"
70X50X6	2-3/4"X2"X1/4"
70X50X7	2-3/4"X2"X9/32"
75X40X6	3"X1-4/7"X1/4"
76.2X38.1X6.35	3"X1-1/2"X1/4"
75X40X10	3"X1-4/7"X2/5"
80X40X6	3-1/8"X1-4/7"X1/4"
80X40X8	3-1/8"X1-4/7"X5/16"
80X65X8	3-1/8"X2-5/9"X5/16"
90X60X6	3-1/2"X2-3/8"X1/4"
100X50X6	4"X2"X1/4"
100X50X8	4"X2"X5/16"
100X75X9	4"X3"X3/8"

FORGED AND PROOF MACHINED BARS

Size Range: 120 mm - 500 mm (4-3/4" - 20")

Supply Conditions

- Length - upto 6 metres
- Tolerance - ASTM A484, EN10060
- Ultrasonic tested
- Free from surface defects and cracks
- Grade confirmation through PMI testing with Handheld Spectrometers
- Heat Treatment - Soft Annealed, Solution Annealed, Normalizing, Quenched & Tempered
- Free from Radioactive elements, Mercury & Lead Contamination



THREADED BARS

Size Range: M 6 to M 42 (1/4" - 1-11/16")

Grade: A2 / 304 (Class- 50, 70, 80) / B 8 / 304 (Class-1 & 2)
A4 / 316 (Class- 50, 70, 80) / B8M / 316 (Class-1 & 2)

Threading Method: Thread Rolling

Threading condition: Fully Threaded

Thread Type: ANSI B1.1 Class 2A Fit

Length: upto 6 metres

Tolerance - ASTM A484, EN10279

Applications: Fasteners, Construction, Automotive, Fittings and many others



CHANNELS

Shape	Size (mm)	Size (inch)
Taper	101.6X40.23X4.67X7.52	4" X 1-3/5" X 1/5" X 2/7"
Taper	101.6X43.71X8.15X7.52	4" X 1-5/7" X 1/3" X 2/7"
Non-Taper	101.6X44.45X6.35	4" X 1-3/4" X 1/4"
Non-Taper	101.6X50.8X6.35	4" X 2" X 1/4"



HOT ROLLED ROUND CORNERED SQUARES (RCS)

Size Range (MM)

45 RCS 55 RCS 63 RCS
75 RCS 80 RCS 90 RCS
95 RCS 100 RCS

Length upto 8 Metres

- Hot Rolled (Black) Surface
- 100% Ultrasonically tested
- Spot ground or fully ground condition
- Free of surface defects/cracks
- Cold-Swappable
- Smooth ends without sharp edges
- Grade Confirmation through PMI testing with Handheld Spectrometers
- Free from Radioactive elements, Mercury & Lead contamination

Applications: Hot Forgings - Open die and close die forgings



HOT ROLLED ROUND BARS

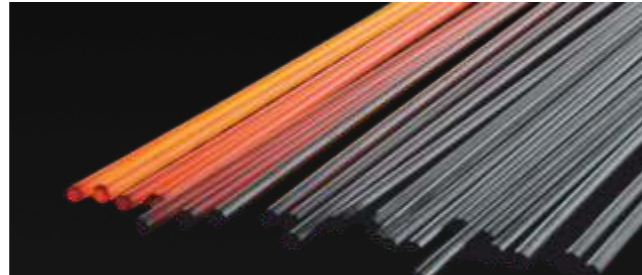
Size Range

16 – 125 mm (5/8" – 5")

Supply Conditions

- Length - upto 8 metres
- Tolerance - ASTM A484, EN10060
- Hot Rolled (Black) Surface
- 100% Ultrasonically Tested
- Spot ground or fully ground condition
- Cold-Swappable
- Grade confirmation through PMI testing with Handheld Spectrometers
- Free from Radioactive elements, Mercury & Lead Contamination

- Heat Treatment - Soft Annealing, Solution Annealing, Spheroidized Annealing, Oil and Water Quenching, Tempered & Normalized



CONTINUOUS CAST BILLETS / BLOOMS

Supply Conditions

- Length - upto 8.5 metres, Saw end cuts
- Spot ground or fully ground condition (as per request)
- Suitable for Forging, Rolling, Ring Rolling & Up-setting
- Marked with heat number, Grade, Size & Weight
- Free from Radioactive elements, Mercury & Lead Contamination
- Grade confirmation through PMI testing with Handheld Spectrometers

Applications: Rolling, Hot Forging and Ring Rolling

Size mm	Shape	Weight (Kg/Mtr.)
100 x 100	Square	75
120 x 120	Square	112
140 x 140	Square	152
160 x 160	Square	200
200 x 200	Square	312
300 x 300	Square	700
150 DIA	Round	140
200 DIA	Round	246
250 DIA	Round	380
300 DIA	Round	560
220 x 250	Rectangular	430



FORGING QUALITY INGOTS

Supply Conditions

- Ingots are supplied in Spot Ground or Fully Ground Condition
- Free from surface defects or cracks
- Grade confirmation through PMI testing with Handheld Spectrometers
- Every piece is marked with Heat number, Colour Code, Grade, Size and Weight
- Free from Radioactive elements, Mercury & Lead Contamination

Applications

Open Die Hot Forgings, Re-Rolling and Ring Rolling



Size mm	Shape	Weight (Kgs.)
9" X 10.5" X 54"	Square	630
10" X 12" X 52"	Square	815
11" X 13" X 52"	Square	970
13" X 15" X 62"	Square	1550
14" X 17" X 72"	Square	2050
16.5" X 20" X 65"	Square	2560
16.5" X 20" X 73"	Square	3425
20" X 24" X 73"	Square	4100
13" X 15" X 62"	Octagonal	1160
18" X 21" X 67"	Octagonal	2300
21" X 23" X 67"	Octagonal	3400

Size mm	Shape	Weight (Kgs.)
23" X 27" X 70"	Octagonal	5100
27" X 30" X 62"	Octagonal	6000
31.5" X 38" X 73"	Octagonal	10000
38" X 47" X 70"	Octagonal	14500
42.5" X 52.5" X 87.5"	Octagonal	20,000/22,000
12-4/5"x12-4/5"x100"	Round	1600
16" X 16" X 79"	Round	2000
19-2/3"x19-2/3"x79"	Round	3750
24" X 24" X 79"	Round	5600
16" X 16" X 158"	Round	3940
19-2/3"x19-2/3"x158"	Round	6160

PRECIPITATION HARDENING STEELS

Precipitation Hardening stainless steels are chromium and nickel containing steels that provide an optimum combination of the properties of Martensitic and Austenitic grades. Like Martensitic grades, they are known for their ability to gain high strength through heat treatment and they also have the corrosion resistance of austenitic stainless steel.

The high tensile strengths of precipitation hardening stainless steels come after a heat treatment process that leads to precipitation hardening of Martensitic or Austenitic matrix. Hardening is achieved through the addition of one or more of the elements Copper, Aluminium, Titanium, Niobium and Molybdenum.

The most well known precipitation hardening steel is 17-4 PH, The name comes from the additions 17% Chromium and 4% Nickel. It also contains 4% Copper and 0.3% Niobium, 17-4 PH is also known as stainless steel grade 630.

The advantage of precipitation hardening steels is that they can be supplied in a "solution treated" condition, which is readily machinable, After machining or another fabrication method, a single, low temperature heat treatment can be applied to increase the strength of the steel. This is known as ageing or age-hardening. As it is carried out at low temperature, the component undergoes no distortion.



Our entire product range is available in this grade on request.

Industry Applications

Oil, Gas, Power, Offshore, Chemical, Nuclear, Food Industry, Aerospace, Pulp and Paper Industry, High Pressure Pump and Valves Components, Measuring and Control, Mechanical Components and Welding applications.

Standards

AMS5642, DIN/EN10088-3, AMS 5622 & ASTM A564

Heat Treatment Conditions

H1150, H1150D, H1150M, H1075, H1025, H925, H900 solution annealed.

DUPLEX STEELS

Applications

- Structural Design Components
- Storage and Exchange Equipment (High Pressure, Saline applications)
- Heat Exchanger
- Aerospace, Pulp and Paper Industry

Duplex stainless steels are called “duplex” because they have a two-phase micro-structure consisting of phases of ferritic and austenitic stainless steel.

This structure provides a unique set of benefits.

Strength

Duplex stainless steels are about twice as strong as regular austenitic or ferritic stainless steel.

Corrosion Resistance

As with all stainless steels, corrosion resistance depends mostly on the composition of the stainless steel.

The composition of this steel makes it better at resisting corrosion.

Toughness and Ductility

Duplex stainless steel have significantly better toughness and ductility than ferritic grades.



Pren Values

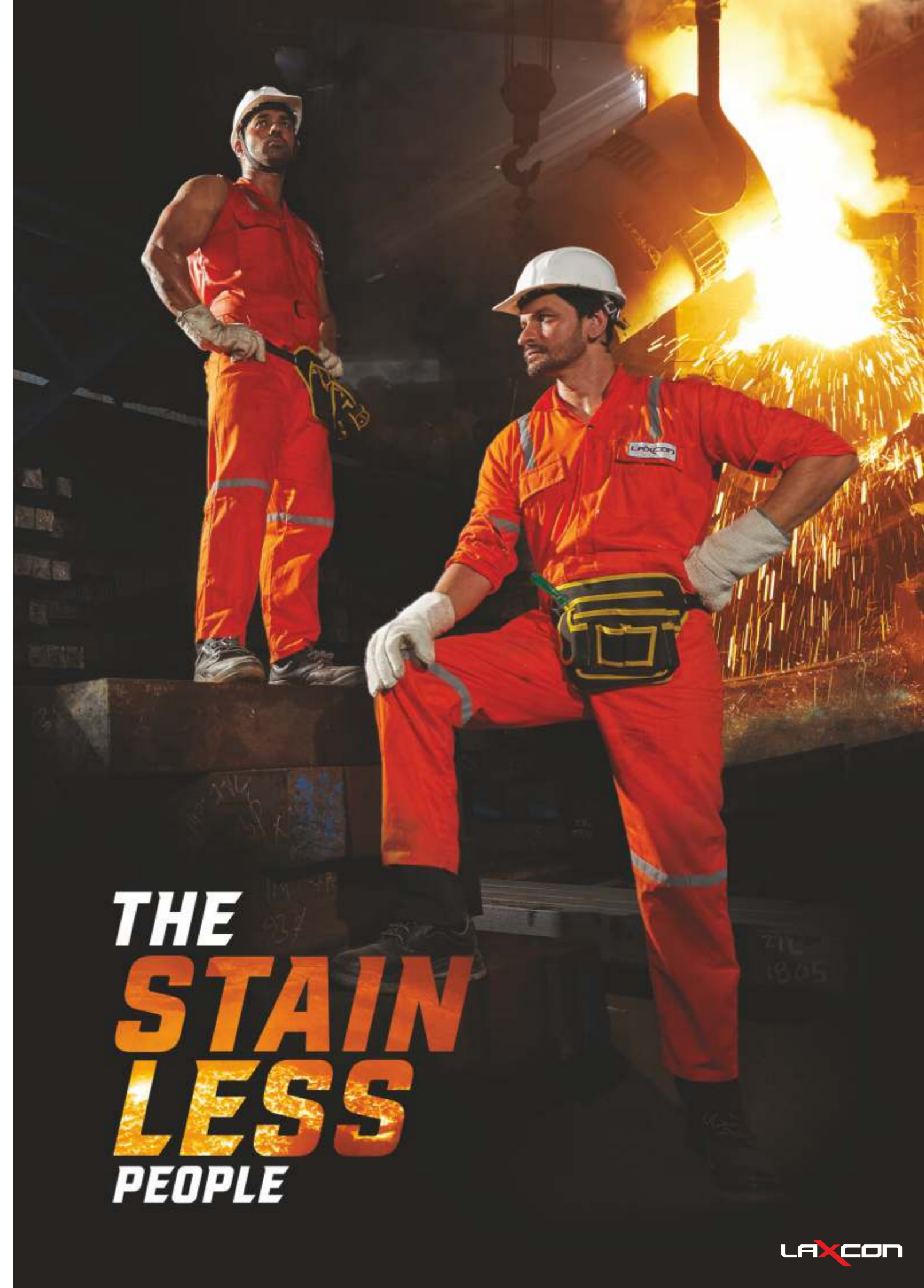
Steel Grade	PREN
1.4307	18
1.4404	24
904L	34
1.4462	31
2205	35

Mechanical Properties

Grade No.	Yield Strength (Rp 0.2%) (Min) (Mpa)	UTS (Mpa) (Min)	UTS (Mpa) (Max)	% Elongation (Min)	% Reduction Area (Min)	Hardness (BHN) (Max)
1.4462	450	650	880	25	---	270
UNS S31803	448	620	---	25	---	290
UNS S32205	450	655	---	25	---	290

Chemical Composition

Standard	Grade	C%	Si%	Mn%	P%	S%	Cr%	Mo%	Ni (Max)	Cu%	N2 (Max)
ASTM A 182:2018	F-51	0.03	1	2	0.03	0.02	21-23	2.5-3.5	4.5-6.5		0.08-0.2
ASTM A 182:2018	F-60	0.03	1	2	0.03	0.02	22-23	3.0-3.5	4.5-6.5		0.14-0.2
ASTM A 182:2018	F-53	0.03	0.8	1.2	0.035	0.02	24-26	3-5	6.0-8.0	0.5	0.24-0.32
ASTM A 276:2017	UNS S32205	0.03	1	2	0.03	0.02	22-23	3.0-3.5	4.5-6.5		0.14-0.2
ASTM A 276:2017	UNS S31803	0.03	1	2	0.03	0.02	21-23	2.5-3.5	4.5-6.5		0.08-0.20
ASTM A 240: 2018	UNS S32750	0.03	0.8	1.2	0.035	0.02	24-26	3-5	6.0-8.0	0.5	0.24-0.32
DIN EN 10088-3:2014	1.4462	0.03	1	2	0.035	0.015	21-23	2.5-3.5	4.5-6.5		0.1-0.22
DIN EN 10088-3:2014	1.4460	0.05	1	2	0.035	0.03	25-28	1.3-2.0	4.5-6.5		0.05-0.2
EN 10095 : 1999	1.4821	0.1-0.2	0.8-1.5	2	0.04	0.015	24.5-26.5		3.5-5.5		0.11
DIN EN 10088-3:2014	1.4410	0.03	1	2	0.035	0.015	24-26	3.0-4.5	6.0-8.0		0.24-0.35
EN 10028-7:2000	1.4362	0.03	1.0	2.0	0.035	0.015	22-24.5	0.1-0.6	3.5-5.5	0.1-0.6	0.05-0.2



**THE
STAIN
LESS
PEOPLE**

OUR GRADES

As an integrated steelmaker, Laxcon can supply several popular and exotic grades suited to customer specifications. Popular steel grades are readily available and most grades can be supplied within a short lead time.

We can make several exotic and special grades on demand. In aggregate terms, we possess capability to make over 1000 grades of steel.

Austenitic Steels

DIN	ASTM	JIS
1.4310	301	SUS 301
1.4319	302	SUS 302
1.4305	303	SUS 303
1.4301	304	SUS 304
1.4307	304L	SUS 304L
1.4948	304H	SUS F 304H
1.4311	304LN	SUS 304 LN
-	304N	-
1.4312	305	SUS 305 J1
1.4845	310	SUS 310
1.4842	310S	SUS 310 S
1.4841	314	-
1.4401	316	SUS 316
1.4404	316L	SUS 316L
1.4919	316H	-
1.4406	316LN	SUS 316LN
1.4432	-	-
1.4435	-	-
1.4436	-	-
1.3952	-	-
1.4571	316Ti	SUS 316Ti
1.4438	317L	SUS 317L
1.4541	321	SUS 321
1.4878	321H	SUS 321H
1.4460	329	SUS 329 J1
1.4550	347	SUS 347
-	347H SUS	SUS 347H
-	201	-
-	202	-
-	204	-
-	204 CU	-
-	XM 19	-
1.4828	309	-

Martensitic Steels

DIN	ASTM	JIS
1.4003	-	-
1.4000	403	SUS 403
1.4006	410	SUS 410
1.4005	416	SUS 416
1.4021	420	SUS 420 J1
1.4028	420B	SUS 420 J2
1.4031	420C	-
1.4034	-	-
1.4104	-	-
1.4057	431	SUS 431
1.4313	F 6NM	-
1.4923	X22CrMoV12-1	-
1.4122	-	-

Precipitation Hardening Steels

DIN	ASTM	JIS
1.4542	17-4-PH	SUS 630
1.4545	15-5 PH	-
1.4594	-	-
-	15-7 PH	-
-	17-7 PH	-
-	13-8 Mo	-

Ferritic Steels

DIN	ASTM	JIS
1.4002	405	SUS 405
1.4512	409	SUS 409
1.4016	430	SUS 430
-	430F	SUS 430F
1.4113	434	SUS 434
1.4509	441	-
1.4105	-	-

Oil & Gas Industries GRADES

Super 13Cr Ksi 110/95
13Cr80 Ksi
9Cr80 Ksi

Alloy Steels

INTERNAL STANDARD	EN	DIN	SAE/AISI
EN 18	EN 18	37Cr4	5140
EN 19	EN 19	42Cr4Mo2	4140/4142
EN 24	EN 24	34CrNiMo6	4340
EN 353	EN 353	-	-
EN 354	EN 354	-	4320
SAE-8620	EN 362	-	SAE 8620
EN 45	EN 45	55Si7	9255
EN 45A	EN 45A	60Si7	9260
50CrV4	EN 47	50CrV4	6150
SAE 4130	-	25CrMo4	SAE 4130
SAE 4140	-	42CrMO4	SAE 4140
15CDV6	-	1.7734	-
21CrMoV5-7	-	1.7709	-

ASTM	UNS	DIN
F 5/F 5A	K 41545	12CrMo195
F 9	K 90941	X12CrMo91
F 11 (CL2)	K 11572	13CrMo44
F 22 (CL3)	K 21590	10CrMo910
F 91	-	X10CrMoVNb9-1
F 12	K 11562	-

EN	DIN	SAE/AISI
EN - 31	100 Cr6	52100
H - 11	1.2343	X37CrMov5-1
H - 13	1.2344	X40CrMov5-1
H - 12	1.2605	X35CrWMoV5
DB - 6	1.2714	---

Duplex Steels

DIN	ASTM	JIS
1.4410	F-53 (S32750)	-
1.4462	F-51 (S31803)	SUS 329 J3L
1.4362	2304 (S32304)	-
-	F-60 (S32205)	-

ABSOLUTE QUALITY AND UNMATCHED SCALE

Intensive quality checks, modern production methods and continuous process perfection ensure optimum and above standard quality parameters.

FACILITIES

- Optical Emission Spectrometers
- Leco Gas Analyzer for H₂, O₂, N₂
- Mobile Handheld Spectrometers
- State of the Art NABL Accredited Testing Laboratory
- Ultrasonic NABL Accredited Testing
- Brinell Hardness Testing (NABL)
- Rockwell Hardness Testing (NABL)
- Digital Hardness Tester
- Impact Testing Machine (NABL) Assisted with Notch Broaching & Profile Projector
- Optical Microscope for Determination of Microstructure / Grain Size / Defect Depth / Delta Ferrite Measurement, Non-Metallic Inclusion Rating, Decarburization
- Universal Testing Machine for Testing Tensile Strength / % Elongation / % Reduction in C/S Area
- 2.0% Proof Stress & 1 % Proof Stress by Electronic Extensometer
- Optical Pyrometer for Temperature Measurement
- Inter Granular Corrosion Testing facility as per ASTM A262 practice E/ISO 3651
- Delta Ferrite Content Testing by "Ferritoscope"
- Magnetic Particle Inspection
- Radio Activity Testing
- Surface Roughness Tester
- Wet Analysis Laboratory for the Testing of incoming raw material
- Straightness Measurement Table



OUR APPROVALS AND CERTIFICATIONS

CERTIFICATIONS

- ISO 9001:2015 - TUV NORD SYSTEMS, Germany
- PED (Pressure Equipment Directive - 2014/68/EU) TUV NORD SYSTEMS, Germany
- AD 2000 MERKLETT W0 - TUV NORD SYSTEMS, Germany
- CE Marking Approval under CPR (Construction Products Regulations)
- Class NK, Japan
- Norsok Approval - DNV GL
- NABL Certification - Chemical Testing
- NABL Certification - Mechanical Testing
- NABL - NDT Testing (Ultra Sonic Testing)
- Creep Test - CSIR
- Well Known Steel Maker approved by Central Boiler Board, Govt. of India

APPROVED SUPPLIER FOR

- Ministry of Defence, Govt. of India
- Bharat Heavy Electricals Limited (BHEL)
- Department of Atomic Energy (DAE)
- Nuclear Power Corporation of India Limited (NPCIL)
- Indian Space Research Organisation (ISRO)
- BEML Limited, Government of India
- HMT Machine Tools Limited (HMT)
- Electronics Corporation of India Limited (ECIL)
- Bhabha Atomic Research Centre (BARC)
- Indira Gandhi Centre of Atomic Research (IGCAR)
- Liquid Propulsion Systems Centre (LPSC)



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Packing in bundles of 500 - 1000 kg (1000 - 2000 lbs) covered with HDPE/LDPE with two lifting slings on each bundle.

In wooden boxes (Complying with ISPM 15 standard) of 500 - 1000 kg (1000 - 2000lbs) with two lifting sling on each box.

Bars are also packed in fiber tube packing. Customized packing is also available on request.

Every bundle is marked with the heat number, grade, size, net weight and gross weight.

OUR STAINLESS REACH IS LONG AND WIDE



- AUTOMOTIVE
- OIL & GAS
- RENEWABLE ENERGY
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- PHARMACEUTICAL
- AEROSPACE
- MANUFACTURING
- MARINE
- RAILWAYS
- FOOD & BEVERAGES
- DEFENCE



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For enquires

sales@laxconsteels.com

Website

www.laxconsteels.com



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GROUP COMPANIES

Laxcon Steels Limited

Plot No 235, Sarkhej Bavla,
N. H. No. 8A, Village - Sari, Taluka - Sanand,
Ahmedabad, Gujarat - 382220, India.

Ocean Steels Private Limited

Plot No. 68 -69, New Ahmedabad Industrial Estate,
Village Moraiya, Ahmedabad-382213,
Gujarat, India.

Metlax International Private Limited

Plot No. 1401/2 & 1415, GIDC Kerala Industrial Estate,
Village Kerala, Tal Bavla, Ahmedabad - 382220,
Gujarat, India.

Mega Steels Private Limited

Plot No: BN-30 to BN-34, Masuri Gulawati Road,
UPSIDC Industrial Area,
Ghaziabad - 201302 (U.P.) India.