



FERRONOVA

STEEL & ENGINEERING PVT. LTD.

ENGINEERED TO EXCEL. BUILT TO LAST.

PRECISION.
STRENGTH.
PERFORMANCE.

Delivering high-quality steel products, engineered components & fabrication solutions for critical industries worldwide.



PRECISION
ENGINEERING



SUPERIOR
QUALITY



ADVANCED
MANUFACTURING



GLOBAL
SOLUTIONS



ISO 9001:2015
CERTIFIED COMPANY
QUALITY. RELIABILITY. TRUST.



OIL & GAS



PETROCHEMICAL



MARINE



POWER



INFRASTRUCTURE



www.ferronova.in



ABOUT US

FERRONOVA is a dynamic engineering company committed to delivering high-quality steel products, precision-engineered components, and fabrication solutions for critical industrial applications worldwide.

With a focus on quality, reliability, and customer satisfaction, we continuously strive to exceed expectations and build long-term partnerships across industries.



UNDER THE GUIDANCE OF INDUSTRY VETERAN



Mr. Hariram S. Bishnoi has served Aerospace, Pump, Sugar, EPC industry and more.



His engineering journey started at the age of 15.



Today, at 55, his vast experience of more than 4 decades continues to guide and strengthen the foundation of Ferronova.



FOUNDED BY VISIONARY RAHUL H. BISHNOI



Ferronova was established in 2025 to cater to the evolving needs of industries worldwide.



Brings 8-9 years of hands-on experience in engineering & fabrication.



Driven by a vision to deliver precision, performance and long-term value.



OUR MISSION

To deliver high-quality steel products and engineering solutions with precision, reliability and integrity, creating value for our customers and contributing to the progress of industries worldwide.



OUR VISION

To be a globally recognized engineering company known for excellence, innovation and customer satisfaction.

OUR CORE STRENGTHS



EXPERIENCED LEADERSHIP

Guided by decades of industry expertise and next-gen vision.



QUALITY ASSURANCE

Adherence to international standards.



ADVANCED MANUFACTURING

Well-equipped facility with modern machinery.



INDUSTRY-FOCUSED SOLUTIONS

Tailored products for critical industrial applications.



CUSTOMIZED FABRICATION

Customer-centric approach with flexible solutions.



GLOBAL SUPPLY CAPABILITY

Ready to serve domestic and international markets.

INDUSTRIES WE SERVE



OIL & GAS



PETROCHEMICAL



EPC



AEROSPACE



MARINE



SUGAR
INDUSTRY



POWER
PLANTS



INFRASTRUCTURE
& HEAVY
ENGINEERING

DRIVEN BY PURPOSE. COMMITTED TO EXCELLENCE.

At Ferronova, we don't just supply products – we build lasting partnerships through quality, reliability and trust. Our vision, mission and values shape everything we do.



OUR VISION



To be a globally recognized engineering solutions provider, delivering superior quality products and excellence that empower industries to build a stronger future.



OUR MISSION



To provide high quality, reliable and innovative piping, flanges, fittings and fabrication solutions that exceed customer expectations through continuous improvement, ethical practices and on-time delivery.



WHY CHOOSE FERRONOVA?



PREMIUM QUALITY

We deliver products that meet international standards and ensure long-lasting performance.



INDUSTRY EXPERTISE

Years of experience and technical expertise across diverse industries and applications.



WIDE PRODUCT RANGE

Comprehensive range of piping products, fittings, flanges, forgings and fabrication solutions.



ON-TIME DELIVERY

Strong supply chain and efficient processes to ensure timely delivery, every time.



CUSTOMER FOCUS

We build long-term partnerships by understanding customer needs and delivering solutions that add value.



RELIABLE SUPPORT

Dedicated support from inquiry to after-sales – we are with you at every step.

OUR VALUES



INTEGRITY



TEAMWORK



INNOVATION



EXCELLENCE



RESPONSIBILITY





QUALITY ASSURANCE

At Ferronova, quality is not just a commitment — it is the foundation of everything we do. We follow stringent quality control processes at every stage of manufacturing to ensure that our products meet international standards and exceed customer expectations.



OUR QUALITY MANAGEMENT APPROACH



QUALITY PLANNING

We define quality objectives, standards, and control plans aligned with customer and international requirements.



MATERIAL CONTROL

All incoming raw materials are verified through chemical analysis, mechanical testing, and MTC validation.



IN-PROCESS CONTROL

In-process inspections and dimensional checks are performed at critical stages to ensure consistency and accuracy.



FINAL INSPECTION

Every product undergoes stringent inspection, testing, and verification before packing and dispatch.



TRACEABILITY & DOCUMENTATION

Complete traceability of materials, processes, and tests with full documentation is maintained for every order.

TESTING & INSPECTION

- ✓ Chemical Composition Analysis
- ✓ Mechanical Testing (Tensile, Impact, Hardness)
- ✓ Dimensional Inspection
- ✓ Non-Destructive Testing (UT, PT, MT, RT)
- ✓ Hydrostatic Testing
- ✓ PMI Testing
- ✓ Surface Finish & Visual Inspection



CHEMICAL ANALYSIS



TENSILE TESTING



DIMENSIONAL INSPECTION



ULTRASONIC TESTING

CERTIFICATIONS



Our Quality Management System is **ISO 9001:2015** certified, ensuring continuous improvement, consistency, and customer satisfaction.

STANDARDS WE FOLLOW



ASME
B16.5 / B16.47



ASTM
Standards



ANSI
Standards



DIN
Standards



ISO
Standards



OUR COMMITMENT TO QUALITY

We are committed to delivering products that meet the highest quality standards through robust processes, advanced testing, skilled personnel, and a culture of continuous improvement.





FLANGES

Precision Connections. Proven Performance.

Engineered for strength, reliability and leak-free performance in critical applications. Our flanges are manufactured in accordance with international standards and strict quality control at every stage.



SIZE RANGE

1/2" NB TO 48" NB
(DN15 TO DN1200)

Higher sizes available
on request



PRESSURE CLASS

- Class 150# to 2500#
- PN 6 to PN 100
- 10K, 16K, 20K, 30K, 40K
- ASME B16.5 Class 150# to 2500#
- ASME B16.47 Series A & B



MATERIAL GRADES

- Carbon Steel: ASTM A105
- Stainless Steel: ASTM A182 F304/304L, F316/316L, F321, F347
- Alloy Steel: ASTM A182 F1, F5, F9, F11, F22
- Duplex / Super Duplex: ASTM A182 F51, F53, F55
- Nickel Alloys: Inconel, Monel, Hastelloy, Alloy 20, etc.



STANDARDS

- ASME B16.5
- ASME B16.47 Series A & B
- MSS SP-44
- DIN 2501 / 2632 / 2633 / 2635
- EN 1092-1
- BS 4504
- JIS B2220
- GOST 33259



FACE TYPES

- Raised Face (RF)
- Flat Face (FF)
- Ring Type Joint (RTJ)
- Tongue & Groove (T&G)



APPLICATIONS



Oil & Gas



Petrochemical



Power
Generation



Water &
Wastewater



Marine &
Offshore



General
Engineering



QUALITY ASSURANCE

100% dimensional inspection,
material traceability, and
compliance with international
standards.

TYPES OF FLANGES



1. WELD NECK
FLANGE



2. SLIP-ON
FLANGE



3. BLIND
FLANGE



4. SOCKET WELD
FLANGE



5. THREADED
FLANGE



6. LAP JOINT
FLANGE



7. ORIFICE
FLANGE



8. SPECTACLE BLIND
FLANGE



9. LONG WELD NECK
FLANGE



10. REDUCING
FLANGE



11. RTJ
FLANGE



12. PLATE
FLANGE



13. ANCHOR
FLANGE



14. NIPOFLANGE



15. WELDO
FLANGE



CUSTOM SOLUTIONS

Special flanges in non-standard sizes,
materials, and configurations are
available as per customer drawings
and specifications.





FORGED FITTINGS

STRENGTH FORGED. PERFORMANCE ASSURED.

Ferronova forged fittings are manufactured from high-quality forged steel, engineered for high pressure, high temperature, and critical service applications. Manufactured as per international standards with precision, reliability and full material traceability.



SIZE RANGE

**1/8" NB TO 4" NB
(DN6 TO DN100)**

Higher sizes available
on request.



PRESSURE CLASS

- Class 150# to 2500#
- PN 6 to PN 160
- 3000#, 6000#, 9000#
- Designed for high pressure and severe service applications.



MATERIAL GRADES

- Carbon Steel: ASTM A105
- Stainless Steel: ASTM A182 F304/L, F316/L, F321, F347
- Alloy Steel: ASTM A182 F11, F22, F5, F9, F91
- Duplex / Super Duplex: ASTM A182 F51, F53, F55
- Nickel Alloys: Inconel, Monel, Hastelloy, Alloy 20, etc.



STANDARDS

- ASME B16.11
- MSS SP-83
- MSS SP-95
- ASME B1.20.1 (Threads)
- ASTM A105 / A182
- NACE MR0175 / ISO 15156
- PED / AD2000 (on request)



CONNECTIONS

- Socket Weld (SW)
- Threaded (NPT / BSPT)
- Screwed



APPLICATIONS



Oil & Gas



Petrochemical



Power
Generation



Water &
Wastewater



Marine &
Offshore



Pharmaceutical
General
Engineering



QUALITY ASSURANCE

- 100% Dimensional Inspection
- Material Traceability
- Mechanical & Chemical Testing
- NDT as per requirements
- Third Party Inspection (TPI)

TYPES OF FORGED FITTINGS



1. 90° ELBOW



2. 45° ELBOW



3. TEE



4. EQUAL TEE



5. REDUCING TEE



6. CROSS



7. COUPLING



8. HALF COUPLING



9. CAP



10. HEX NIPPLE



11. BUSHING



12. UNION



13. HEX PLUG



14. SQUARE HEAD PLUG



15. SOCKET WELD BOSS



16. THREADED BOSS



17. LATERAL



18. SWAGE NIPPLE

KEY FEATURES

- ✓ High strength and durability
- ✓ Excellent resistance to corrosion and high temperatures
- ✓ Leak-tight performance
- ✓ Precision machining for perfect fit
- ✓ Available in custom configurations as per requirements



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PIPE FITTINGS

PERFECT FIT. RELIABLE FLOW.

Ferronova pipe fittings are engineered for strength, durability and leak-free performance in critical piping systems. Manufactured to international standards with strict dimensional accuracy and quality control at every stage.



SIZE RANGE

1/2" NB TO 48" NB
(DN15 TO DN1200)

Higher sizes available
on request.



PRESSURE CLASS

- Sch. 5S to Sch. XXS
- PN 2.5 to PN 160
- Class 150# to 2500#



MATERIAL GRADES

- Carbon Steel: ASTM A234 WPB
- Stainless Steel: ASTM A403 WP304/304L, 316/316L, 321, 347
- Alloy Steel: ASTM A234 WP1, WP5, WP9, WP11, WP22, WP91
- Duplex / Super Duplex: ASTM A815 UNS S31803, S32750, S32760
- Nickel Alloys: Inconel, Monel, Hastelloy, Alloy 20, etc.



STANDARDS

- ASME B16.9
- MSS SP-43
- MSS SP-75
- DIN 2605 / 2615
- EN 10253-1/2
- JIS B2311
- BS 3799
- GOST 17375



END CONNECTIONS

- Buttweld (BW)
- Socket Weld (SW)
- Threaded (NPT / BSPT)



APPLICATIONS



Oil & Gas



Petrochemical



Power
Generation



Water &
Wastewater



Marine &
Offshore



HVAC



General
Engineering



QUALITY ASSURANCE

- 100% Dimensional Inspection
- Material Traceability
- Mechanical & Chemical Testing
- NDT as per requirements
- Third Party Inspection (TPI)

TYPES OF PIPE FITTINGS



90° ELBOW



45° ELBOW



180° RETURN BEND



TEE (EQUAL)



REDUCING TEE



LATERAL TEE



REDUCER
(CONCENTRIC)



REDUCER
(ECCENTRIC)



END CAP



WELD CAP



CROSS



STUB END



LONG RADIUS BEND
(1.5D)



SHORT RADIUS BEND
(1D)



PIGGABLE BEND



Y-BRANCH



WYE (45°)



INSERT

KEY FEATURES

- ✓ High strength and impact resistance
- ✓ Excellent corrosion & chemical resistance
- ✓ Leak-tight performance
- ✓ Precision manufacturing & smooth finish
- ✓ Available in standard & custom configurations



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PIPES & TUBES

STRENGTH IN EVERY LENGTH. PRECISION IN EVERY MILLIMETER.

Ferronova offers a wide range of seamless and welded pipes & tubes engineered for high performance, excellent corrosion resistance and long service life in the most demanding applications.



TYPES OF PIPES

SEAMLESS PIPES



Manufactured without welds for superior strength and pressure handling.

WELDED PIPES



ERW / EFW / SAW welded pipes for general and structural applications.

STAINLESS STEEL PIPES



Corrosion resistant pipes for critical and hygienic applications.

ALLOY STEEL PIPES



High temperature and high pressure service in demanding environments.

CARBON STEEL PIPES



Reliable performance for fluid, gas and structural applications.

GALVANIZED PIPES



Zinc coated pipes for corrosion protection and longer service life.

TYPES OF TUBES

SEAMLESS TUBES



Precision seamless tubes for heat exchangers, boilers and instrumentation.

STAINLESS STEEL TUBES



High precision stainless steel tubes for corrosion resistant applications.

ALLOY STEEL TUBES



High strength alloy tubes for high temperature and pressure services.

INSTRUMENTATION TUBES



Small diameter precision tubes for instrumentation and control systems.

SQUARE & RECTANGULAR TUBES



Structural and mechanical applications with high dimensional accuracy.

SPECIAL APPLICATION TUBES



U-Tubes, Condenser Tubes, Boiler Tubes and Customized Tube Solutions.

MATERIAL GRADES

- Carbon Steel: ASTM A53, A106 Gr. B, API 5L Gr. B X42 / X52 / X60 / X65 / X70
- Stainless Steel: ASTM A312 TP304 / 304L / 316 / 316L / 310 / 321 / 347
- Alloy Steel: ASTM A335 P1 / P5 / P9 / P11 / P22 / P91
- Duplex & Super Duplex: S31803, S32750, S32760
- Nickel Alloys: Inconel 600 / 625 / 718, Monel 400
- Other Grades: As per ASTM, ASME & Customer Requirements

STANDARDS

- ASTM A53 / A106 / A333
- ASTM A312 / A269 / A213
- API 5L / API 5CT
- ASTM A789 / A790
- ASME SA106 / SA312 / SA213
- EN 10216 / EN 10217
- DIN 17175 / 2391
- JIS G3454 / G3456
- IS 1239 / IS 3589
- NACE MR0175 / ISO 3183

APPLICATIONS



Oil & Gas
(Pipelines)



Petrochemical
Plants



Power
Generation



Heat Exchangers
& Boilers



Water
Treatment



Shipbuilding
& Marine



Construction
& Infra



Chemical
Industry

AVAILABLE FORMS



Round Pipes
& Tubes



Square Pipes
& Tubes



Rectangular Pipes
& Tubes



Hydraulic Tubes



U Tubes



Coiled Tubes



Custom Lengths
& Cut Sizes



High Strength
& Durability



Excellent Corrosion
Resistance



Precision
Dimensions



Wide Range of Sizes
& Thickness



Custom Finishes &
End Preparation



Third Party Inspection
& Documentation





AEROSPACE, DEFENCE & MARINE PRODUCTS – STEEL

PRECISION • STRENGTH • RELIABILITY



PRECISION
ENGINEERING



QUALITY
ASSURED



MISSION
READY



AEROSPACE COMPONENTS



LANDING GEAR
COMPONENTS



ENGINE MOUNTS
& BRACKETS



STRUCTURAL
BRACKETS



SHAFTS &
SPINDLES



BUSHINGS &
SLEEVES



AEROSPACE
FASTENERS



PRECISION
MACHINED PARTS



DEFENCE PRODUCTS



WEAPON SYSTEM
COMPONENTS



MISSILE
PARTS



ARMORED VEHICLE
PARTS



TURRET
COMPONENTS



HIGH STRENGTH
FASTENERS



BALLISTIC
COMPONENTS



MARINE PRODUCTS



MARINE
SHAFTS



PROPELLER SHAFTS
& COUPLINGS



RUDDER
COMPONENTS



SHIP BUILDING
FITTINGS



DECK & ENGINE
FITTINGS



VALVE BODIES
& PARTS



MARINE
FASTENERS



APPLICATIONS



AIRCRAFT



NAVAL SHIPS



SUBMARINES



OFFSHORE PLATFORMS



DEFENCE SYSTEMS



MATERIALS

- Stainless Steel (304/304L, 316/316L, 321, 347)
- Alloy Steel (4140, 4340, 8620, 17-4PH)
- Carbon Steel (SAE 1045, 4140)
- High Strength Steels
- Titanium Alloys (Ti-6Al-4V, Ti-10V-2Fe-3Al)
- Nickel Alloys (Inconel, Monel, Hastelloy)



STANDARDS

- AMS (Aerospace Material Specifications)
- ASTM (American Society for Testing & Materials)
- ASME (American Society of Mechanical Engineers)
- DIN (Deutsches Institut für Normung)
- EN (European Standards)
- MIL-SPEC (Military Specifications)



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FABRICATION & ENGINEERING SOLUTIONS

PRECISION FABRICATION • QUALITY ASSURANCE • ON-TIME DELIVERY • CUSTOM SOLUTIONS

PIPE BENDING	CUSTOM FABRICATION	PIPE SPOOLING	PIPE FITTING & ASSEMBLY	STRUCTURAL FABRICATION
 - CNC & Manual Pipe Bending - Up to 180° Bending - Various Materials & Thickness - High Precision & Accuracy	 - Custom Built to Specification - Structural Fabrication - Pressure Vessels & Skids - Complex Assemblies	 - Shop Fabricated Spools - Piping Spools & Modules - As per Isometric Drawings - Reduced Site Installation Time	 - Professional Fit-up & Assembly - Skilled Welders & Fitters - High Quality Welding - Hydro & Pneumatic Testing	 - Steel Structures - Platforms, Ladders & Handrails - Supports & Brackets - Industrial & Commercial

TYPES OF FABRICATION WE UNDERTAKE

PIPE RACKS	PRESSURE VESSELS	HEAT EXCHANGERS	STORAGE TANKS	STEEL PLATFORMS	SKID PACKAGES	DUCTING & STACK
						

FABRICATION PROCESS



MATERIALS WE WORK WITH

- | | |
|--|---|
|  Carbon Steel |  Aluminium |
|  Stainless Steel |  Copper Nickel |
|  Alloy Steel |  Nickel Alloys |
|  Duplex & Super Duplex |  and other Exotic Alloys |
- 

INDUSTRIES WE SERVE

- | | | | |
|---|---|--|--|
|  OIL & GAS |  PETROCHEMICAL |  POWER PLANTS |  MARINE |
|  WATER TREATMENT |  INFRASTRUCTURE |  STEEL PLANTS |  PHARMACEUTICAL |





FERRONOVA

ISO 9001:2015
CERTIFIED COMPANY

APPROVALS & INTERNATIONAL STANDARDS

Our commitment to quality, safety and international compliance you can trust.



APPROVALS & CERTIFICATIONS



EIL



IBR



DNV



ABS



BV



LR
Lloyd's Register



IRS



PDIL



ONGC
Approved



أرامكو السعودية
saudi aramco
Saudi Aramco
Approved



Shell
Approved



أدنوك
ADNOC
ADNOC
Approved

Products supplied in compliance with international industry requirements and customer specifications.



INTERNATIONAL STANDARDS WE FOLLOW



ASTM



ASME



ANSI



API



DIN



EN



BS



JIS



ISO



MSS-SP



NACE



AWWA



QUALITY ASSURANCE & DOCUMENTATION



EN 10204
3.1 / 3.2



HYDRO
TESTING



PMI
TESTING



NDT
TESTING



THIRD PARTY
INSPECTION



MATERIAL
TRACEABILITY



MILL TEST
CERTIFICATES



INTERNATIONAL
QUALITY



RELIABLE
PERFORMANCE



TRUSTED BY
INDUSTRIES WORLDWIDE



CUSTOMER SATISFACTION
OUR PRIORITY



WWW.FERRONOVA.IN



FERRONOVA

FERRONOVA

STEEL & ENGINEERING PVT. LTD.

ISO 9001:2015 CERTIFIED COMPANY



IMPORTER & EXPORTERS OF
FERROUS & NON FERROUS METALS



HEAD OFFICE



FERRONOVA HOUSE,
PLOT NO-122,
BAVA S MALA,
3 RD KUMBHARWADA,
MUMBAI - 400004,
MAHARASHTRA, INDIA.



MANUFACTURING UNIT



PLOT NO 124/124A,
DR P K INDUSTRIAL ESTATE,
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