



PRODUCT CATALOGUE

Crafting Relationships Stronger Than Steel!!!



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Company Overview

Om Steel Industries operates at the intersection of heavy-scale engineering and micron-level precision, standing as a premier manufacturer, stockist, supplier, and exporter of advanced materials and engineered solutions. Alongside our core material supply capabilities, we specialize in high-tolerance machining and heavy fabrication, delivering structurally robust and dimensionally precise components.

Quality remains the bedrock of our operations. As an ISO 9001:2015 certified company, we cater to a diverse spectrum of industries including Aerospace, Defence, Oil & Gas, and Pharma, where performance, reliability, and precision are non-negotiable. With over a decade of trusted partnerships across Government, Semi-Government, Public, and Private sector undertakings, as well as emerging enterprises, Om Steel Industries continues to deliver excellence through stringent quality control, cost-effective solutions, and on-time delivery.



Mission

To pursue the highest standards of quality and achieve customer satisfaction through a synergy of excellence and commitment.



Vision

To evolve as a brand that would be best admired for its research focus, quality assurance and tradition of customer satisfaction.



Our Values

1

Quality

Quality is our passion.

2

Integrity

Integrity is our identity.

3

Professionalism

Professionalism is anchored in our work culture.

4

R&D

R&D is crucial to our business operations & culture.

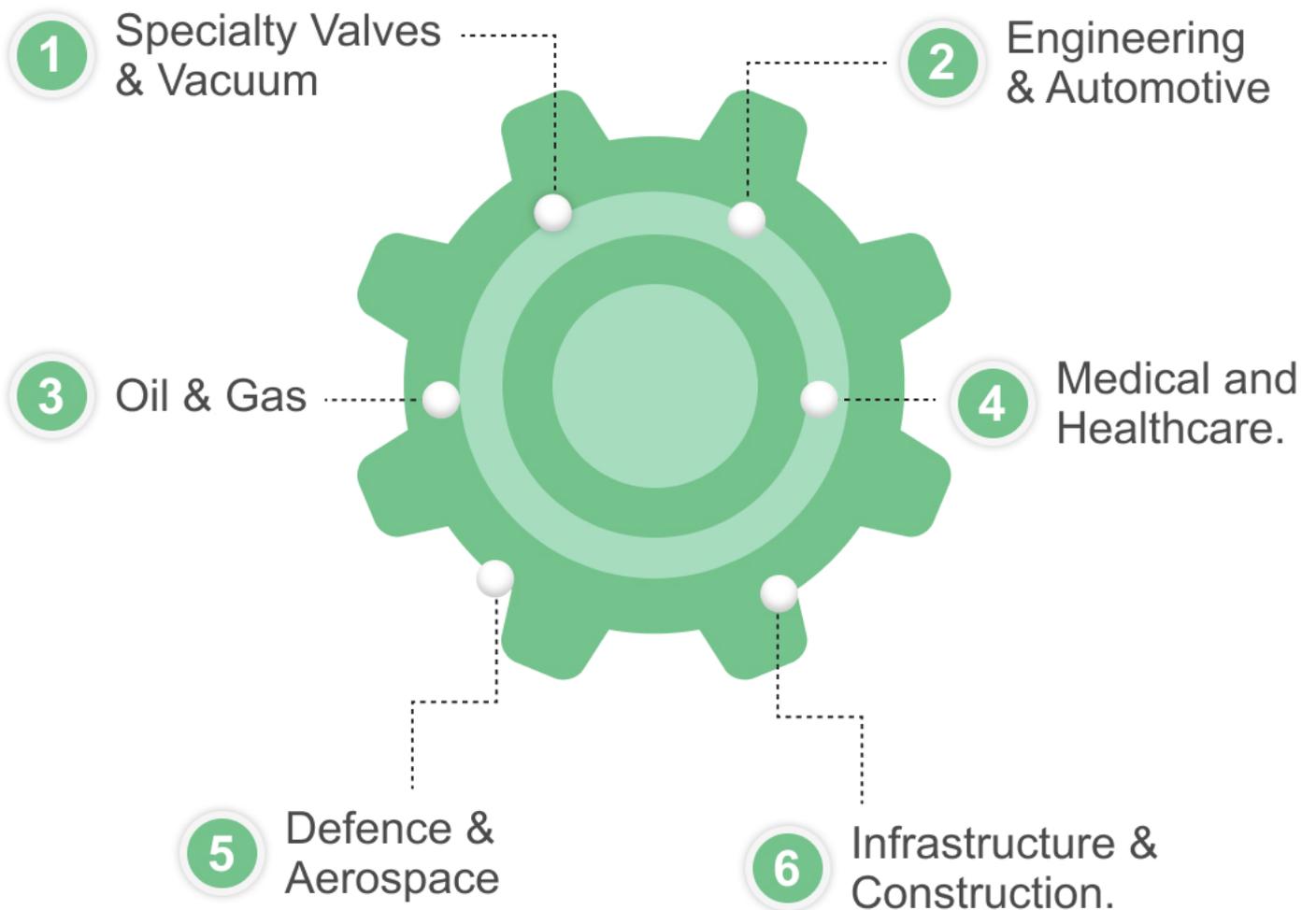
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Welfare

The well-being and a safety of our people is paramount to us.



Industries We Serve



Our Products

Valves & Pumps Components

Valves on a pump control the flow of liquid through a pump. These help to regulate pressure within a pump and prevent possible breakage. Any pump should have two valves attached; one at the inlet or suction and the other at the outlet or discharge area. Valves are used to regulate, direct or control the flow of a fluid (gases, liquids, fluidized solids, or slurries) by opening, closing, or partially obstructing various passageways.

Valve Stem - The valve stem is an important part of the valve, which is used for transmission. It is connected to the actuator or the handle, and the valve core is directly moved or rotated below to achieve the valve switching or adjustment effect.

Drive Shaft - We offer a wide range of Drive shafts at industry-leading prices in the market. We stringently test our entire products including the Drive Shaft at different levels of processing. They have a long functional life and provide a pleasant performance to the user.



Grades

17-4 PH, SS431, Duplex4A, Duplex5A, XM19, Monel K500, K400, SS316, SS410, Duplex6A, SS304, IN625, IN825, H-C276, Titanium Gr 2 and Gr 5, SS310, SS321

Application

- Pump Drives
- Locomotives
- Military Equipment
- Industrial Applications
- Marine Applications
- Agricultural Applications
- Light And Heavy Commercial



CNC Machined Components

Om Steel Industries is an esteemed organization in the precision manufacturing of CNC machined components, specializing in high-accuracy parts such as rods, shafts, screws, bearings, and pins. With years of engineering excellence and a commitment to tight tolerances, we serve industries that demand nothing less than perfection. Our state-of-the-art CNC machining capabilities allow us to deliver complex geometries, superior surface finishes, and consistent repeatability batch after batch, every time.

Quality Assurance:

Quality is at the core of our operations. Every component undergoes strict inspection using advanced tools like Mitutoyo Verniers, Micrometers, Bore Dial Gauges, and Ring & Plug Gauges, ensuring precise adherence to drawings and compliance with both European and Indian standards.

At **Om Steel Industries**, innovation is part of our core. We invest consistently in R&D across metallurgy and materials science, enabling us to work with diverse materials and meet evolving industry needs. With strong in-house expertise in material selection, process optimization, and custom solutions, we deliver reliable machine components, assemblies, and raw materials at competitive prices.

Grades

GR.70, SS316, SS304, EN8, Duplex4A, Duplex5A, Duplex6A, SS410, SS431, 17-4 PH, XM19, IN718, IN625, IN825, Monel K500, Monel K400, H-C276



Double-Headed Rotor Shaft

Tolerance: The tolerance is strict, and there are strong measurement and inspection control methods and testing equipment

Hardness: adjustable, hardenable, hardness standards can be customized according to customer needs

Surface treatment: chrome plating, galvanizing, grinding, polishing, carburizing and other surface treatment methods

Processing: CNC Processing machinery and other grades.

Testing: professional testing team, professional testing equipment

Product name: Double-headed Threaded Rotor shaft

Certification: ISO

Working temperature: 0-80

Pressure environment: PN10-16

Surface treatment: polishing

Application: Butterfly Valve

Material: 420, 431

Grades

GR.70, SS316, SS304, EN8, Duplex4A, Duplex5A, Duplex6A, SS410, SS431, 17-4 PH, XM19, IN718, IN625, IN825, Monel K500, Monel K400, H-C276





Ring rolling is a forming process for the production of rings. Commonly a headed and pierced ring is used as raw part to be expanded and possibly profiled with a ring rolling machine. Two or more rotating dies (rollers) are used for this purpose. By reducing the wall thickness and the height of the ring, the diameter of the ring increases while maintaining a constant volume. Profiled rollers enable the production of near net shape ring cross sections.

Grades

SS431, 17-4 PH, Duplex 4A, Duplex 5A, XM19, Monel K500, K400, SS316, IN718

Application

- Aerospace industry
- Transportation industry
- Machine and plant building industry
- Vehicle manufacturing / Automotive industry



Cut seals/bearing washers

Bearing washer, a machine component that is used in conjunction with a screw fastener such as a bolt and nut, and that usually serves either to keep the screw from loosening or to distribute the load from the nut or bolt head over a larger area. For load distribution, thin flat rings of soft steel are usual.

Grades

SS316, Duplex 4A, EN8, GR. 70, S304, 17-4PH, XM19, IN718, SS431, Duplex 5A, SS410, K500, XM19 Monel K500, K400, Duplex 6A, Monel K500, SS304, IN625, IN825, H-C276

Application

- Defence
- Aerospace Industries
- Steel Furniture Industries
- Food & Pharma Internal Machine Parts



Precision Machined Components

Precision-machined parts generally have complicated features and precise conditions. These parts consist of holes, grooves, threads, and tapers which should fit properly with other components. Precision machining generates metal parts with precision for the proper functioning of the product.

We provide Precision Machined Components

- Corrosion resistance
- Precise dimensions as per standard tolerance.
- Rust proof

Grades

SS316, Duplex 4A, EN8, GR. 70, S304, 17-4-PH, SS431, 17-4PH, XM19, IN718, Duplex 5A, SS410, K500, 17-4 PH, Monel K500, K400, Duplex 6A, SS304, IN625, IN825, H-C276, Titanium Gr. 2, Gr. 5



Different Types of Keys for Valve and Pump.

The keyway cut into the shaft reduces the load carrying capacity of the shaft. This is due to the stress concentration near the corners of the keyway and reduction in the cross-sectional area of the shaft i.e. the torsional strength of the shaft is reduced. It is basically designed for opening and closing of valve by simply turning or twisting with the help of offered valve key.

This tool is provided with long handle equipped with rubber grips for easy and strong handling further makes manual operation very much simple and easy.

We have designed the offered key in varied models and specifications with respect to the valve size so that clients can buy as per requirement.

Tolerance: The tolerance is strict, and there are strong measurement and inspection control methods and testing equipment

Hardness: adjustable, hardenable, hardness standards can be customized according to customer needs.

Surface treatment: chrome plating, galvanizing, grinding, polishing, carburizing and other surface treatment methods

Processing: CNC processing machinery, CNC heat treatment machinery and other equipment

Testing: professional testing team, professional testing equipment

Grades

17-4PH, XM19, IN718, Monel 400, 500, SS431, Superduplex, Duplex



Stainless steel extended spindle valves

We specialize in the manufacturing of High alloy valve parts like flanges, BKF flanges, lock rings, Allen bolts, etc. Oil & gas burner parts like nozzle, oil gun, etc. Furnace & heat treatment of high alloy parts, fixtures & spares. Special components for the government sector.

Grades

SS316, Duplex 4A, EN8, GR. 70, S304, 17-4-PH, SS431, 17-4PH, XM19, IN718, Duplex 5A, SS410, K500, 17-4 PH, Monel K500, K400, Duplex 6A, SS304, IN625, IN825, H-C276





Forged Rings:

Forged rings are ready-made base components supplied by steel manufacturers. They are produced through a rolled ring forging process, where a solid metal piece is pierced to form a donut shape and then hot-rolled into a seamless ring with precise dimensions. This process ensures accuracy and consistency as per the required specifications.

SS Rings:

Stainless steel (SS) rings are manufactured using the same advanced forging process, resulting in enhanced material density, aligned grain flow, and superior strength. These properties ensure durability, corrosion resistance, and reliable performance, making them suitable for demanding industrial applications.

Specifications

- Size: As per the client's requirement
- Material: Gun Metal
- Outer Diameter 50 mm to 1500 mm
- Inner Diameter 30 mm to 1400 mm
- Wall thickness from 5 mm to above
- Length from 10 mm to 2600 mm
- Product weight capacity from 0.100 kg to 3000 kg in a single piece

Features

- Made using quality grade material
- Optimum performance
- Long-lasting usage
- High tensile strength

Grades

SS316, Duplex 4A, EN8, GR. 70, SS304, 17-4 PH, SS431, XM19, IN718, Duplex 5A, SS410, Monel K500, Monel K400, Duplex 6A, IN625, IN825, Hastelloy C276



Valve-Kits

Valve-Kits manufactures and designs mounting kits for the quarter and multi-turn valves to pneumatic and electric actuators, all designed to our customer's requirements:

Stainless steel and mild steel kits are available as standard other materials are available upon request

Tandem linkage kits Sunshades and accessory panels. All can be supplied with design calcs, 3.1b certification

Grades

SS316, Duplex4A, EN8, GR. 70, S304, 17-4-PH, SS431, 17-4PH, XM19, IN718, Duplex5A, SS410, K500, XM19 Monel K500, K400, Duplex6A, Monel K500, SS304, IN625, IN825, H-C276



VMC machined components

We are presenting a premium grade of VMC Machined Components that is widely used in the Telecom Industry. Fabricated innovatively with advanced machines, this component can easily be installed in the required area as this is performed seamlessly.

VMC machining refers to machining operations that utilize vertical machining centers (VMCs), which, as the name suggests, have vertically oriented machine tools. These machines are primarily utilized to turn raw blocks of metal, such as aluminum or steel, into machined components.

Quality Assurance:

Quality is an integral part of our manufacturing process. Every valve kit is subjected to thorough inspection using advanced measuring instruments such as Verniers (100 mm to 1000 mm), Height Gauges, Micrometers, Slip Gauges, and PMI machines. This ensures precise dimensional accuracy, material verification, and adherence to customer specifications, delivering reliable and consistent performance in every product.

Grades

SS316, Duplex 4A, EN8, GR. 70, SS304, 17-4 PH, SS431, XM19, IN718, Duplex 5A, SS410, Monel K500, Monel K400, Duplex 6A, IN625, IN825, Hastelloy C276



Quality Policy & Overview

Quality Is The Cornerstone Of Our Business And Is A Reflection Of Our Deep Client Commitment. It Shall Govern All Our Actions And Shall Be Integrated Into Our Work Environment.

Our Quality objectives include:

A deep commitment to total customer satisfaction

Process improvisation

Cost reduction

On-time delivery

Quality awareness among employees

Continual improvement of our Quality Management Systems

Work Culture:

Om Steel is built around an ethos of professionalism and teamwork. It is a culture that fosters high performance. Our colleagues work with excellent team spirit in a disciplined work environment, underlined by friendliness, warmth and healthy competition.

Commitment to safety:

The safety and well-being of our people is paramount to us. Hence we incorporate safety and health measures in all our business operations.

We conduct regular safety audits and reviews, followed by process improvements. We strive to improve the safety performance across the organization through periodic employee training, orientation programs and focused internal communication. We work hard to make our employees aware about the latest safety practices and protocol



FABRICATION

Pressure Vessels & Boiler Components

We specialize in the fabrication of pressure vessels and boiler components designed to meet stringent industry standards and performance requirements. Manufactured using high-grade materials such as stainless steel, carbon steel, alloy steel, titanium, hastelloy, and copper, our products ensure durability, safety, and efficiency in high-pressure and high-temperature environments. With advanced forming, welding, and inspection processes, we deliver reliable solutions tailored to critical applications.



FABRICATION

Ducting Systems & Structural Fabrication

Our expertise extends to precision-engineered ducting systems and structural fabrication for a wide range of industrial applications. Utilizing materials like SS, MS, CS, titanium, and specialty alloys, we ensure excellent corrosion resistance and structural integrity. Supported by efficient cutting, bending, and forming capabilities, we provide customized fabrication solutions with high dimensional accuracy and consistent quality.



FABRICATION

Propeller Shafts & Custom Components

We manufacture high-performance propeller shafts and custom-engineered components built for strength, balance, and long service life. Using advanced machining and controlled fabrication processes, along with materials such as alloy steel, stainless steel, titanium, and copper alloys, we ensure precision and reliability. Our focus on minimizing excess cutting and optimized bending techniques enhances efficiency while maintaining superior product quality.





We offer a comprehensive range of flat products including sheets, plates, coils, strips, foils, and shims in stainless steel, duplex steel, alloy steel, and carbon steel. Manufactured to international standards, these materials deliver excellent corrosion resistance, high mechanical strength, and precise dimensional accuracy, making them ideal for structural, boiler, and high-pressure applications. All products are backed by mill test certifications to ensure reliability and performance.

Our portfolio also includes exotic materials such as titanium, nickel alloys, and cupro-nickel, sourced from world-class mills. These materials provide exceptional resistance to corrosion, oxidation, and extreme temperatures, making them suitable for critical applications across chemical, marine, aerospace, defence, and process industries.

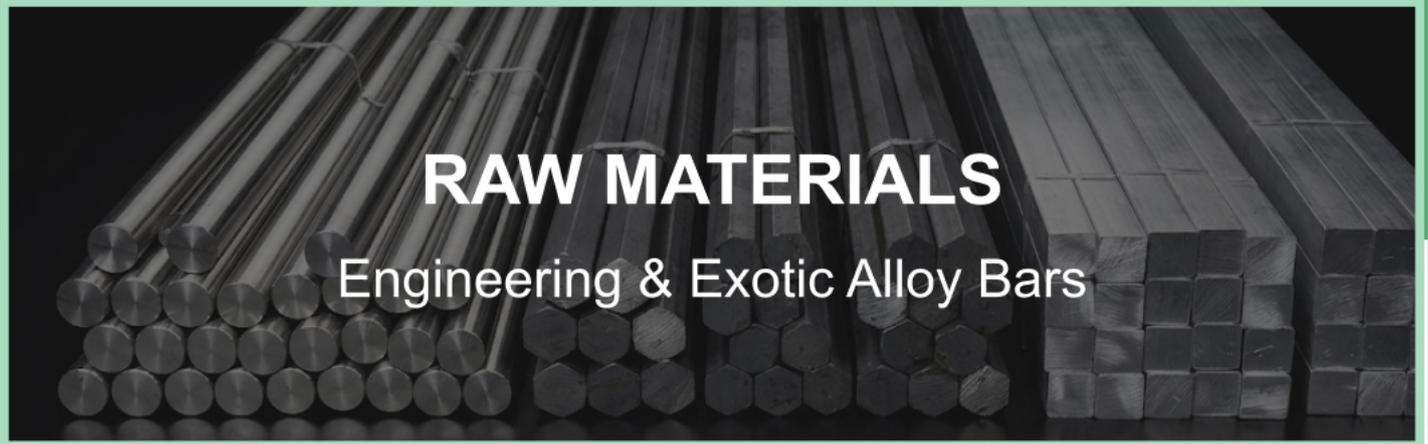
Key Application

Chemical processing, oil & gas, food & beverage, pharmaceutical, marine & desalination, pressure vessels & boilers, structural fabrication & heavy machinery, mining & wear-resistant applications, aerospace, heat exchangers, power generation, and high-temperature applications.

Grades & Standards

304/304L, 316/316L/316Ti, 309, 310, 317/317L, 321, 347, 409, 410, 430, 904L, SMO 254, AL6XN, UNS S31803/S32205, S32304, UNS S32750 (2507), UNS S32760 (Zeron 100), ASTM A387 Gr.11/12/22/5/91, ASTM A36, A283 Gr.C, A285 Gr.C, S275 JR, IS 2062 Gr.A/B, SA 516 Gr.70, ASTM A537 CL.1/2, Hardox 400/500, Spring Steel CR C45/C55/C62/C80, Titanium ASTM B265 Gr.1-7, 11, 12, 23, Inconel N06600/601/617, Incoloy N08800/810/825/020, Hastelloy N10276/N06022/N10665, Monel N04400, Nickel N02200/201, Cupro-Nickel C70600 (90:10)/C71500 (70:30)





RAW MATERIALS

Engineering & Exotic Alloy Bars

Our long bar products are available in round, hex, square, and flat sections across various sizes and grades, including stainless steel, duplex, and alloy steel. Offered in annealed, pickled, hot-rolled, cold-rolled, and forged conditions, they ensure consistent properties, dimensional accuracy, and reliability for machining and structural applications.

We also supply high-performance bars in nickel alloys, titanium, and monel, designed for extreme thermal, mechanical, and chemical environments, with tight tolerances and full traceability for critical aerospace, nuclear, and process applications.

We supply OFC, ETP, and commercial copper in strips and round bars, offering excellent conductivity, formability, and corrosion resistance for electrical, engineering, and industrial applications. Sourced from trusted manufacturers, our products are available in various sizes and specifications, ensuring consistent quality, easy machinability, and reliable performance for standard and precision needs.

Key Application

Pumps, valves, shafts, fasteners, machined components, flanges, general engineering, oil & gas, aerospace, and nuclear applications.

Grades & Standards

SS 304/304L, 316/316L/316Ti, 321, 347, 310/310S, 317/317L, 410, 420, 430, 431, 430F, 416, 440C, 904L, 17-4PH, 15-5PH, Duplex UNS 31803/32205/32750/32760, Alloy Steel F5/F9/F11/F22/F91, Inconel 600/601/625/718, Monel 400/K-500, Incoloy 800/800H/825/020, Hastelloy C-276/C-22/B-2, Nickel 200/201, Titanium Gr.1/2/5/7/12/23, Copper, Brass, Aluminium



PIPES & TUBES

We offer a comprehensive range of seamless and welded pipes and tubes in stainless steel, duplex steel, alloy steel, carbon steel, and low-temperature carbon steel (LTCS), manufactured to ASTM, ASME, and API standards. Available across a wide schedule range from Sch.5 to XXS, these products provide excellent resistance to corrosion, pitting, and stress cracking, along with reliable performance in both high- and low-temperature applications, making them ideal for critical fluid-handling systems.

Our range also includes precision-engineered tubes in nickel alloys, cupro-nickel, and admiralty brass, designed for heat transfer and highly corrosive environments. Offered in various forms such as round, square, rectangular, coiled, and U-bend, these tubes are manufactured to tight tolerances with options like IBR certification and capillary sizes, ensuring suitability for demanding industrial applications.

Key Application

Chemical & petrochemical, offshore, food & pharmaceutical, water & cryogenic systems, power & refineries, oil & gas transmission, boilers & structural piping, and heat exchange & cooling systems.

Grades & Standards

ASTM A312/A358 TP 304/304H/304L, 316/316H/316L/316Ti, 309, 310, 317L, 321, 347, 904L, Duplex ASTM A790 UNS S31803/S32205/S32750/S32760, ASTM A335 Gr.P5/P9/P11/P12/P22/P91, ASTM A106 Gr.B, ASTM A53, ASTM A333 Gr.6 (LTCS), API 5L X42–X70, IS 1239, IS 3589, Inconel N06600/601/625, Incoloy N08800/825/020, Hastelloy N10276/ N06022, Monel N04400, Cupro-Nickel C70600/C71500/C71640, Admiralty Brass C44300/C44400, Copper ASTM B188 C11000/C12200





We offer a complete range of forged and machined flanges in stainless steel, duplex steel, alloy steel, and exotic materials such as nickel alloys, titanium, and cupro-nickel. Offered in All ANSI/ASME classes & finishes: weldneck, slip-on, spectacle blinds, and long weldneck flanges. Manufactured to international standards including ASTM B564, these flanges ensure leak-proof performance in high-pressure, corrosive, and cryogenic environments, supported by third-party inspection, PMI testing, and full material traceability. Our range also includes high-quality butt weld and forged fittings designed for critical pressure piping systems.

Manufactured in stainless steel, duplex, and alloy steel, these fittings are engineered for full penetration welds and are available in all standard and reduced configurations from Sch. 5 to XXS. Produced as per ASTM/ASME standards with strict dimensional accuracy and NDT compliance, they ensure strength, reliability, and long-term performance in demanding industrial applications.

Key Application

Refineries, chemical plants, offshore pipelines, power plants, shipbuilding, LNG, desalination, heat exchangers, and marine piping systems.

Grades & Standards

ASTM A182 F304/304H/304L, F316/316H/316Ti, F309, F310, F317L, F321, F347, F904L, Duplex F51/F53/F55, Alloy A182 F5/F9/F11/F22/F91, CS ASTM A105, LTCS ASTM A350 LF2, Inconel ASTM B564 N06600/601/617/625/718, Incoloy N08800/810/825/020, Hastelloy N10276/N06022/N10665/N06455, Monel N04400, Nickel N02200/201, Titanium ASTM B381 Gr.1-7/11/12/23, Cupro-Nickel C70600/C71500



Manufacture custom parts from raw material

BUTTWELD & FORGED FITTINGS

Buttweld Fittings — Stainless, Duplex & Alloy Steel

Factory-made buttweld pipe fittings engineered for high-integrity, full-penetration welds in pressure piping systems. Our range covers all standard and reducing configurations in schedules from Sch.5 to XXS, manufactured to ASTM/ASME standards with full dimensional and NDT compliance.

Grades & Standards

SS ASTM A403 WP
304/304L/316/316L/316Ti/309/310/317L/3
21/347/904L;
Duplex ASTM A815 UNS S31803/
S32205/S32304/S32750/S32760;
Alloy ASTM A234 WP5/WP9/WP11/
WP12/WP91;
CS ASTM A234 WPB;
LTCS ASTM A420 WPL6

Key Application

Oil & gas, petrochemical, pharmaceutical, power generation, food processing, and cryogenic piping networks.



VALVES

Industrial Valves — Gate, Ball, Globe, Butterfly, Check & Cryogenic

A comprehensive valve range in both cast and forged bodies, engineered for precise flow control across low-temperature, high-pressure, and corrosive services. Supplied with material test reports, pressure test certificates, and third-party inspection as required, our valves meet the full spectrum of ASTM, ASME, ANSI, and DIN standards.

Grades & Standards

WCB, WC1, WC6, WC9, LCB, LCC, LC3, C5, C12; SS CF8, CF8M, CF3, CF3M, CF8C, CN7M, CD4MCu; 304L, 316L, 2205, 2507; Hastelloy, Inconel

Key Application

Refineries, chemical plants, power generation, water treatment, cryogenic storage, offshore platforms, and HVAC systems.



Manufacture custom parts from raw material



High-strength fasteners in a broad array of materials, covering everything from standard hex bolts and stud bolts to precision socket screws, eye bolts, and anchor fasteners. All fasteners are supplied to ASTM/ASME/DIN specifications with hardness and dimensional certifications, ensuring safe and reliable joint integrity in all service environments.

Grades & Standards

SS 202, 304L, 316L, 317L, 321, 347, 310, 410, 420, 904L; Duplex 2205/2507; Alloy Steel A193 B7/B16; CS A307/A325; Monel, Inconel, Hastelloy, Titanium

Key Application

Structural steel, pressure vessels, flange joints, offshore structures, automotive, chemical plants, and heavy engineering.



STRUCTURAL STEEL

MS Angles, Channels, Beams, Round Bars & TMT Re-Bars

A complete range of mild steel structural sections supplied from prime manufacturers including SAIL, Vizag, Jindal, and TISCO, as well as reliable secondary rolling mills. Whether for maintenance or new construction, our structural steel range ensures on-time availability at competitive prices, backed by manufacturing test certificates.

Grades & Standards

IS 2062 Gr.A/B (Angles, Channels, Beams); Wire Rods IS:2062 Gr.A Low Carbon 5WR-14; TMT Re-Bars FE 415/ FE 500

Key Application

Industrial construction, infrastructure, bridges, building frameworks, reinforced concrete structures, and general fabrication.



WELDING FILLER WIRE

Nickel Alloy, Stainless Steel & Titanium Welding Filler Wires

Premium welding filler wires formulated to match or exceed the mechanical and corrosion-resistant properties of the base material. Our wire range is sourced from certified manufacturers and supplied with full AWS/ASME compliance documentation, ensuring weld-joint integrity in critical and high-value fabrications.

Grades & Standards

Nickel 200/201; Monel 400/K-500; Inconel 600/601/625/800/800H/800HT; Incoloy 825; Hastelloy 22/C-276/B-2000; Titanium Gr. 1/2/5/7; Tantalum; SMO 254; Alloy 904L; Alloy 20; Alloy 330; SS 304/316/316L/316Ti/321/310/317/317L/347/17-4PH/15-5PH/410/420/430/431/440C; Duplex 2205/2507

Key Application

Welding of chemical reactors, heat exchangers, offshore structures, dissimilar metal joints, pressure vessels, and critical aerospace components.



Our Partners



WORKSHOP



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