



Synergy

**SYNERGY
ENGINEERING SOLUTION**

Synergizing Ideas, Delivering Excellence

MANUFACTURER & EXPORTER OF :



BUTTWELD FITTINGS



FORGED FITTINGS



FLANGES



L R BENDS



PIPING SPOOLS



FABRICATION PRODUCTS

We Are The Creators You Can Trust On For A Perfect Solution To All Your Needs

COMPANY PROFILE

Synergy with an experience of over **30 years** is a renowned manufacturer, supplier and exporter of **pipes, tubes, fittings, flanges, fasteners, piping spool & customized LR Bends** as per national and international quality standards. Engaged in the provision of variety of engineering solutions to various players across the country as well as abroad.

Synergy has been catering to various segments of the market including **oil and natural gas, chemicals, engineering equipment, fertilizers, shipbuilding, paper industry, petrochemical and more**. We are one-stop-shop for all your steel requirements. **Synergy** is one of the biggest manufacturers and exporters of steel pipeline products.

We maintain wide stock of inventory helps us to fulfil client requirements of any size within a stipulated time have a powerful Sales and Distribution network that allows efficient marketing in India and all over globe. Our constant efforts of providing Industrial solutions have helped us to become a dominant in this field.

OUR MISSION

We want to continuously strive to provide technically sound solutions and create additional value in mutual interest with our customers resulting in **Synergy** being a preferred Manufacturer & Supplier within the Manufacturer & Supplier industry. We want to continuously strive for and achieve total customer satisfaction with both our products & services.

OUR VISION

We help customers develop their energy resources; bringing world class capability and delivering it locally. We promote commercial arrangements that are aligned to our customers' needs, allowing us to deliver more value to the customer while increasing the returns from our most precious asset – our people.

WHY CHOOSE US

- Leading Manufacturer
- Competitive Pricing
- Quality Products
- 30+ Years of Experience
- Complete Piping Solutions
- Quick Response
- Flexible Logistics



QUALITY POLICY

Our company's core strength lies in heavy Manufacturing of **Pipe Fittings, Tube Fittings, Flanges, Fasteners, Butt weld fittings, Forged Fittings, Compression Fittings, and Machined Components**. We are recognized by International Quality Management Systems & Certified by **ISO 9001:2015, ISO 140001:2015, ISO 45001:2018**. We have earned our goodwill through long term business relations by catering to most complex & special jobs of our customers in the most stringent delivery time and quality parameters. Our fully equipped facilities are most comprehensive, technically advanced and system oriented which ensures that our products are quality checked before being shipped to our clients' location.

CORE VALUES & BUSINESS ETHICS

- Excellence
- Life, Health & Environment
- Accountability
- Professionalism
- Customer Service & Satisfaction
- Empowerment
- Integrity
- Quality & Cost Conscious
- Innovative

How We Work



Manufacturing



Finishing



Testing and Inspection



Packing and Dispatch

Our Testing Facilities

NDT, or Non-Destructive Testing, is a group of techniques used to evaluate the properties of materials, components, and structures without causing any damage to them. NDT is widely used across various industries to ensure the safety, quality, and reliability of critical components and infrastructure. Here are some common NDT methods:

- Visual NDT (VT)
- Eddy Current NDT (ET)
- Liquid Penetrant NDT (PT)
- Ferrite Testing (PORTABLE)
- Ultrasonic NDT (UT)
- Magnetic Particle NDT (MT)
- Leak Testing (LT)
- Positive Material Identification (PMI)
- Radiography NDT (RT)
- Acoustic Emission NDT (AE)
- Hardness Testing (PORTABLE)
- Thickness Gauging

STANDARD FOLLOWERS



PIPES & TUBES

Pipes & Tubes are hollow cylindrical tubes made primarily of steel, and they are widely used for conveying fluids and gases, as well as for various structural and industrial applications. Steel pipes are known for their strength, durability, and versatility, making them a popular choice in industries such as construction, oil and gas, water supply, sewage systems, automotive, and more. Pipes come in various sizes and dimensions, including different diameters and wall thicknesses. We have a wide range of inventory of steel pipes readily available for our clients to meet their immediate requirements.



SPECIFICATIONS CATERED

CARBON STEEL SEAMLESS PIPES & TUBES: ASTM/ASME (A53 GR. B, A106 GR B, A333 GR. 6), API 5L (B, X42/46/52/56/60/65/70/75- PSL 1 & PSL 2) SA (106,179,192,210,213), DIN (2391, 1629, 17100), BS (3059), P235TR1, etc.-IBR/NIBR.

- **SIZE RANGE:** 4" NB to 28" NB

GALVANISED (GI) PIPES & MILD STEEL (MS) ERW PIPES: As per IS1239 Part 1 - Class A (Light) Class B (Medium), Class C (Heavy) Size Range: "NB to 6" NB. **SIZE RANGE:** 1/2" NB to 6" NB. As per IS1239 Part 1 - Class A (Light) Class B (Medium), Class C (Heavy) Size Range: "NB to 6" NB.

- **SIZE RANGE:** 7" to 80" NB.

ALLOY STEEL SEAMLESS PIPES & TUBES: ASTM/ASME A/SA335, GR. P1, P2, P5, P9, P11, P12, P22, P91 & SA213, T5, T9, T11, T22, T91, Etc.-IBR & NIBR.

- **SIZE RANGE:** 1/4" NB to 28" NB

STAINLESS STEEL SEAMLESS & ERW PIPES & TUBES: ASTM/ASME A/SA (312, 213, 269, 249) Grade 202, 304, 304H, 304L, 316, 316H, 316L, 316Ti, 309, 310, 317L, 321, 347, 904, 904L, 409, 409M, 410, 420, 430, 446, Etc.

- **SIZE RANGE:** Seamless 1/4" NB to 28" NB
- **ERW:** 1/4" NB to 80" NB



BUTTWELD FITTINGS & LR Bends

We are engaged in **Manufacturing and Exporting** a wide range of Buttweld Fittings of various types and qualities made with the latest technology. These accessories are appreciated for their high strength, durability and precision alloy composition.

They are used in a number of industries such as **Petroleum, Petro-chemical, Chemicals, Fertilizer and Thermal Power.**

We are known for our Butt weld Fittings.



TYPES

- 90° ELBOW (1D/1.5D/3D/5D)
- 45° ELBOW
- 180° LR RETURN
- 180° SR RETURN
- EQUAL TEE
- REDUCING TEE
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- END CAP
- LONG / SHORT STUB END
- LONG RADIUS PIGGABLE BEND
- AS PER DRAWING

MATERIALS

STAINLESS STEEL: ASTM A403 WP 304/304L /304H/316/316L/317/ 317L/321/310/347/904L.

CARBON STEEL: ASTM A234 WPB/A420 WPL3/A420 WPL6/ MSS-SP-75 WPHY 42/46/52/56/60/65/70.

ALLOY STEEL: ASTM A234 WP1/WP5/WP9/ WP11/WP22/WP91.

DUPLEX & SUPER DUPLEX: UNS-S31803/32760, UNS-32750.

NICKEL ALLOY: 201 / 200

MONEL ALLOY: 400 / K-500

INCONEL: 600, 601, 625, 825, 800 / 800H / 800HT

HASTELLOY: C22, C276, B-2000.

TITANIUM: GR. 1, 2, 5, 7

OTHERS: TANTALUM, SMO 254, ALLOY 20 / 330, ALUMINIUM

SIZE RANGE

- **SIZE RANGE:** 1/4" NB TO 24" NB (SEAMLESS) & UPTO 48" NB (WELDED)
- **WALL THICKNESS:** SCH. 5S TO SCH. XXS.



FORGED FITTINGS

We are leading Manufacturer of Forged product in India. We also provide customers with specially designed forged components. We also undertake new projects for forging parts according to customers' drawings and specifications. Products will be delivered in a short time. We provide Forged Pipe Fittings of various metals used in various industries. We can provide forged parts of the following materials such as **Stainless Steel, Alloy Steel, High Nickel Alloys and more**. Our Forged Fittings are put through rigorous quality control checks as per **National and International regulations to make it superior**.



TYPES

- 90° ELBOW
- 45° ELBOW
- EQUAL TEE
- REDUCING TEE
- FULL COUPLING
- HALF COUPLING
- CROSS
- WELDING BOSS
- UNION
- REDUCING INSERT
- CAP
- PLUG
- BUSHING
- HEX / PIPE NIPPLE
- SWAGE NIPPLE
- SOCKLET
- WELDOLET
- THREAOLET
- LATROLET
- AS PER DRAWING

MATERIALS

STAINLESS STEEL: ASTM A182 F304/304L/304H/ 316/ 316L/317/ 317L/321/310/347/904L.

CARBON STEEL: ASTM A105 / 105N A694 F42/46/ 52/56/60/65/ 70/A350 LF2 CLASS 1/2.

ALLOY STEEL: ASTM A182 F1/F5/F9/F11/F22/ F91 ETC.

DUPLEX & SUPER DUPLEX: UNS-S31803/32760, UNS-32750.

NICKEL ALLOY: 201 / 200

MONEL ALLOY: 400 / K-500

INCONEL: 600, 601, 625, 825, 800 / 800H / 800HT

HASTELLOY: C22, C276, B-2000.

TITANIUM: GR. 1, 2, 5, 7

OTHERS: TANTALUM, SMO 254, ALLOY 20 / 330.

SIZE RANGE

- **SIZE RANGE:** 1/4" NB TO 4" NB (THREADED & SOCKETWELD)
- **CLASS:** 2000#, 3000#, 6000#, 9000#.



FLANGES

We Manufacture and Export a wide range of Flanges in different sizes, suitable for **refining and petrochemical, chemical, and civil engineering applications**. Our Flanges are highly appreciated by customers for its high quality, best performance, and low maintenance requirements, and offers various material configurations of **Stainless Steel, Carbon Steel, Alloy Steel, Nickel Alloys and Copper Alloys**. Depending on the size, shape and length of these Flanges, we can customize as per our customer requirement.



TYPES

- WELDNECK
- SLIPON
- BLIND
- THREADED
- SOCKET WELD
- LAPPED JOINT
- LONG W
- PLATE FLANGE
- WELDNECK SERIES A
- WELDNECK SERIES B
- BLIND SERIES A
- BLIND SERIES B
- SPECTACLES BLIND
- PADDLE BLANK & SPACER
- ORIFICE
- AS PER DRAWING

MATERIALS

STAINLESS STEEL: ASTM A182 F304/304L/304H/ 316/ 316L/ 317/317L/321/310/347/904L.

CARBON STEEL: ASTM A105/105N
A694 F42/46/52/56/60/65/70 A350 LF2 CLASS 1/2.

ALLOY STEEL: ASTM A182 F1/ F5/F9/ F11/ F22/F91.

DUPLEX & SUPER DUPLEX: UNS-S 31803 / 32760, UNS-32750.

NICKEL ALLOY: 201 / 200

MONEL ALLOY: 400 / K-500

INCONEL: 600, 601, 625, 825, 800 / 800H / 800HT

HASTELLOY: C22, C276, B-2000.

TITANIUM: GR. 1, 2, 5, 7

OTHERS: TANTALUM, SMO 254, ALLOY 20 / 330, ALUMINIUM

SIZE RANGE

- **SIZE RANGE:** 1/4" NB TO 24" NB (ABOVE AS PER CUSTOMER REQUIREMENT)
- **CLASS:** 150#, 300#, 600#, 900#, 1500#, 2500#.



Fasteners

Steel fasteners are essential components used in construction, manufacturing, and various industries to join and secure materials together. These fasteners are made from steel, a durable and strong alloy of iron and carbon, often with additional elements like chromium, nickel, or manganese to enhance properties such as corrosion resistance. **Synergy** is a leading **manufacturer, supplier, exporter and stockist of Fasteners, Screws, Nuts, Bolts, Washers, Threaded Rods**, etc.



Standards:

DIN : DIN 934, DIN 934, DIN 970, DIN 933

UTS : UNEF, NPT, UNC, UNS, UNF, NPTF

ISO: JIS standards, ISO 4033, ISO 4032

ANSI - American National Standards Institute, ASME B18.5, ANSI B 28.2.4 1M as per defined in ASME B16.5 standard Stud Bolt length, ANSI B 18.2.4 2M as per defined in ASME B18.2.2 Hex nuts ASTM, BS and All International Standards.

Length: 3 mm to 200mm

Nut Sizes: M3 - M56 | 3/6" to 2" | Custom Sizes

Bolt / Screw Sizes: M3 - M56 | 3/6" to 2" | Custom Sizes

Machine Screw Sizes: M1.6 - M12

Washer Sizes: M3 - M56 | 3/6" to 2" | Custom Sizes

Forms: Nuts, Bolts, Screws, Sockets, Studs, Screw, Hex Set Screw, Socket Screw, Cap Screw, Pan head Screw, Machine Screw, Socket Head Cap Screw, Allen Cap screw, Wing Screw, Washers, Spring Washers, Studs, Anchors, Marine Anchors, Nut, Hexagon Nut, Hex Nut, Hex Coupling Nut, Hex Domed Cap Nuts, Square Nut, Stud Bolts, Hex Head Bolts, Socket Hexagon Head Screw Anchor Bolt, U-Bolts, J Bolts, Mushroom Head Square Neck Bolts, T Head Bolts, Wing Screw, Eye Bolt, Foundation Bolts, Structural Bolts.

Materials

- Stainless Steel
- Carbon Steel
- Alloy Steel
- High Nickel Alloys
- Special Alloys
- Aluminium Alloys
- Copper Nickel
- Titanium
- Duplex & Super Duplex
- Tantalum



PIPING SPOOL AND FABRICATED PRODUCTS

- FLANGED PIPE FITTINGS • LATERAL TEE • MITER BENDS • PUDDLE FLANGES
- PIPE HEADER • SPLIT TEE • JACKETED ELBOW • FLANGED PIPE
- CRITICAL FABRICATION • DISH ENDS • FABRICATED VESSELS • BARRED TEE
- DISTILLATION COLUMN • OIL COOLERS • STORAGE TANK & RECEIVERS • HEAT EXCHANGER
- FABRICATED PIPE • AS PER DRAWING

MATERIALS: STAINLESS STEEL, DUPLEX, SUPER DUPLEX, ALLOY STEEL, TITANIUM, INCONEL, MONEL, HASTELLOY, CARBON STEEL & MILD STEEL.

COATING

We are engaged in offering a comprehensive range of coatings (Internal & External). The offered Pipe, Fittings, Fabrication Job, Spools are appreciated for their Excellence abrasion & Anti Corrosion Properties.

TYPES OF COATINGS

Epoxy Coating, Fusion Bonded Coating, Wrapping Coating (3LPE), Polyethylene, Polypropylene, Also as per client requirement.

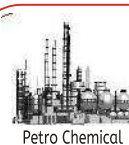
RANGE: 50NB TO 1800NB



THIRD PARTY INSPECTION



APPLICATION INDUSTRIES



synergy

**SYNERGY
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Synergizing Ideas, Delivering Excellence

Manufacturer, Supplier & Exporter: Pipes, Fittings, Flanges, Piping Spool & Customized LR Bends.

● Stainless Steel ● Carbon Steel ● Alloy Steel ● Duplex Steel ● Nickel Alloy

CONTACT DETAILS:



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