



**REAL FORGE
& FITTING**

**FORGE GREATNESS,
SHAPING THE FUTURE**



REAL FORGE & FITTING

About Us

Established in 2008, Real Forge & Fitting is a leading manufacturer of precision-forged components and industrial fittings. With a fully-integrated in-house facility spread across advanced forging, machining, heat-treatment and quality labs, we deliver high-strength, durable and dimensionally accurate components for critical industrial applications.

Our state-of-the-art infrastructure, latest technology and skilled team ensure complete control over quality, faster turnaround and reliable supply performance.

Manufacturing Capabilities:

- In-House Forging
- Heavy-duty forging hammers & presses
- Precision heating & forming technology
- Heat-Treatment
- Controlled heat-treatment facility
- Enhanced strength, hardness.

Machining Division:

- CNC, VMC & VTL machines
- Lathe, drilling & finishing systems
- Testing & Quality
- PMI (Positive Material ID)
- UTM & Hardness Testing
- UT, LPT & MPT inspections
- Strict dimensional & surface accuracy checks

Our Strengths:

- 15+ years of forging expertise
- End-to-end in-house manufacturing
- Advanced technology & skilled workforce
- Zero-defect quality culture
- On-time delivery & customer-focused approach
- Commitment

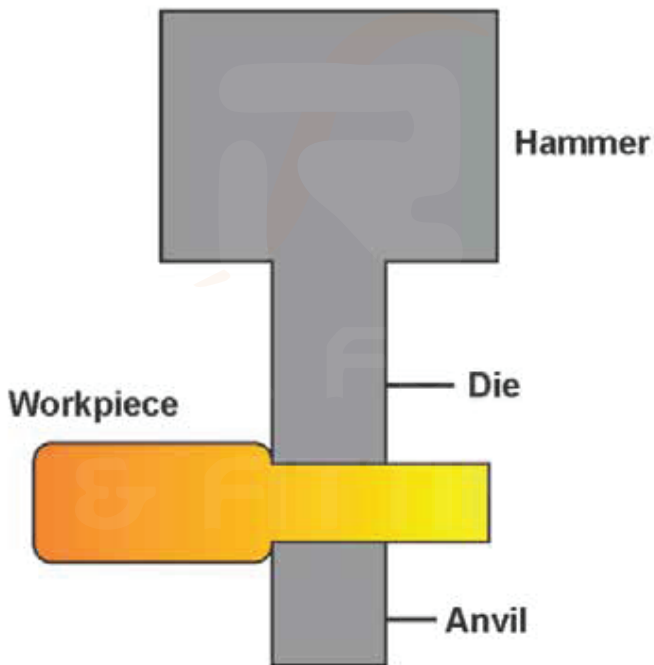


We are committed to precision, reliability and long-term value creation. With unmatched quality standards, innovation and trust, we deliver world-class forged and machined components built to perform in demanding environments.

FORGING DIVISION

Description

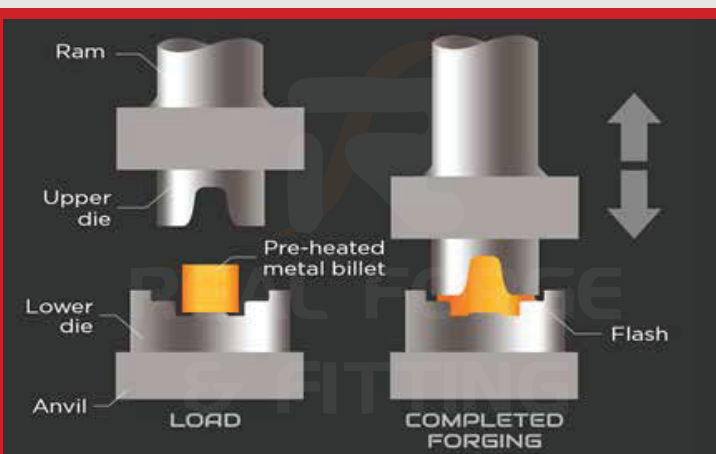
Open die forging at **REAL FORGE & FITTING** is a dynamic process where raw metal transforms into robust components under the relentless force of our skilled craftsmanship. Unlike closed-die methods, open die forging allows for greater flexibility, enabling us to shape metal with precision and finesse. At Forge Private Limited, our open die forging process is a dance of power and precision, where molten metal becomes a testament to durability. Experience the unmatched strength forged through ingenuity, where tradition meets technology for components that stand the test of time.



1. OPEN DIE FORGING

BLANKING HAMMER:
FORGING CAPACITY OF 10 TON

ROLLING HAMMER:
FORGING CAPACITY OF 10 TON



2. CLOSED DIA FORGING

DROP HAMMER :- CAPACITY 3 TON

Description

Closed Dia Forging: - Discover the epitome of precision and strength with In this meticulous **REAL FORGE & FITTING** closed die forging at process, red-hot metal is shaped within intricately designed dies, leaving no room for compromise in the pursuit of perfection. At **REAL FORGE & FITTING** our closed die forging is a symphony of accuracy and power, crafting components that meet the most demanding specifications. Elevate your projects with the assurance of unmatched quality, where every stroke of the hammer is a testament to our commitment to excellence. Unleash the potential of closed die forging with **REAL FORGE & FITTING**. Precision, strength, and reliability forged for your success.

HEAT TREATMENT FURNACES

Description

At the heart of our forging prowess lies our state-of-the-art heating furnace technology at **REAL FORGE & FITTING**. Our meticulously designed heating furnaces play a pivotal role in transforming raw metal into durable components through precision forging.

Key Features

1. Precision Temperature Control
2. Energy Efficiency
3. Versatility
4. Uniform Heating
5. Adaptility



Description

By integrating cutting-edge band saw machines into our forging operations, we ensure that every cut contributes to the precision and quality for which **REAL FORGE & FITTING** is known. Our commitment to excellence extends across all facets of the forging process, from material preparation to the final, meticulously crafted components. Experience the synergy of technology and craftsmanship at **REAL FORGE & FITTING**. Elevate your forging projects with the precision of our advanced band saw machines.

BAND SAW CUTTING MACHINE



HEAT TREATMENT



Description

At **REAL FORGE & FITTING** we take pride in our state-of-the-art heat treatment facility, where precision meets innovation to enhance the mechanical properties of various steel alloys. Our commitment to quality, coupled with skilled craftsmanship and cutting-edge technology, positions us as a leading player in the forging industry. We offer annealing, solution annealing, quenching, normalizing, aging, stress relieving processes and tempering services tailored to the unique requirements of various steel. This results in components with enhanced corrosion resistance, improved toughness, and superior mechanical properties.

MACHINING AND DRILLING



Description

As a leading forging company **REAL FORGE & FITTING** relies on the precision and efficiency of CNC, VTL, and VMC machines to deliver forged components that stand out for their quality, durability, and intricate detailing. We take pride in our ability to seamlessly integrate forging and machining, offering our clients a one-stop solution for their precision component needs.

FLANGE



Description

REAL FORGE & FITTING manufactures standard and Non-Standard flanges in all pressure ratings. Flanges are manufacture as per international: specifications and as per the customer's requirement. Non-standard Flange are manufacture as per the drawing provided by the customer. we take pride in our comprehensive understanding and mastery of various international flange standards such as

ASME/ANSI B16.5, ANSI B16.47, ANSI B16.48, MSS-SP-44, API 590, APO 6A & ANSI B 16.36.



Description

REAL FORGE & FITTING offers a comprehensive range of forge fittings, including elbows, tees, couplings, and more. Our versatile solutions cater to a wide spectrum of industry needs.

Socket weld and threaded fittings are available in multiple shapes (elbows, tees, caps, adapters, couplings, etc), sizes (bore sizes between 1/8 and 4 inches, and ratings as 2000#, 3000#, 6000#, 9000#).

The ANSI B16.11, BS 3799 specifications cover forged fittings (socket weld and threaded) as per the gauge (NPT, BSP, BSPT) required by customer.

FORGED FITTING



FORGED GEAR



Description

REAL FORGE & FITTING is a leading company specializing in the art of forging high-quality gears. With a commitment to precision and durability, we employ state-of-the-art forging techniques to create custom gears for a diverse range of industries. Our skilled craftsmen and cutting-edge technology ensure that every gear we produce meets the highest standards of quality and reliability. From automotive applications to industrial machinery, **REAL FORGE & FITTING** is dedicated to providing innovative and robust gear solutions tailored to our clients' specific needs.

SHAFTS



Description

REAL FORGE & FITTING is a premier company dedicated to the expert forging of high-performance shafts. Our state-of-the-art facilities and skilled workforce ensure precision and excellence in crafting custom shafts for various innovation, we specialize in forging durable and reliable shafts for applications ranging from automotive to heavy machinery. At **REAL FORGE & FITTING**, We pride ourselves on delivering tailor-made solutions that meet the stringent requirements of our clients, setting new benchmarks in shaft forging technology.



WHEEL

Description

Forged wheels are typically manufactured using high-strength, wear-resistant materials to ensure durability and performance under the demanding conditions of rail transportation. The most common material used for forging wheel is a type of steel known as carbon steel or alloy steel. The specific grade and composition may vary, but they are generally selected for their strength, toughness, and ability to withstand the heavy loads and dynamic stresses encountered in railway applications.

- Standard wheel
- High-Speed Train Wheels
- Heavy-Duty Freight Train Wheels



ROUND BAR

Description

REAL FORGE & FITTING specializes in the manufacturing of high-precision forged round bars tailored to meet the unique requirements of diverse industries. Our skilled artisans and advanced manufacturing processes ensure that every forged steel bar we produce adheres to the highest industry standards, providing our customers with robust and dependable solutions.



STUB

Description

REAL FORGE & FITTING is a leading company specializing in the precision forging of top-quality stub ends. Leveraging advanced forging techniques and a commitment to excellence, we craft custom stub ends for diverse industrial applications. Our skilled team and cutting-edge technology ensure the highest standards of durability and reliability. From piping systems to industrial equipment, **REAL FORGE & FITTING** delivers bespoke solutions that epitomize quality and precision in the realm of stub end forging.



CIRCLE

Description

REAL FORGE & FITTING is a renowned company dedicated to the expert forging of high-quality circles. Utilizing advanced forging techniques and a commitment to excellence, we specialize in crafting custom circles for a wide range of industries. Our skilled artisans and state-of-the-art facilities ensure precision and reliability in every forged circle. Whether it's for structural components or specialized applications, **REAL FORGE & FITTING** is your trusted partner for delivering tailor-made solutions that meet the highest standards of quality and performance in the realm of circle forging.





TUBE SHEET

Description

REAL FORGE & FITTING manufactures standard & non-standard blinds and tube sheets as per the customer's specification. They can be supplied in fully machined and drilled condition. They find application in pipelines, pressure vessels & heat exchangers and are manufactured out of stainless steel, Duplex Steel, Hi Nicle Alloys and Carbon steel.

Description

REAL FORGE & FITTING manufactures self-reinforced nozzles (SR Nozzles) and hollow forgings as per the customer's design and specification. The SR Nozzles can be machined and supplied in spherical, cylindrical and ellipsoidal radii. The profiling is carried out using CNC vertical machining centers. Nozzles are used in pressure vessels and heat exchangers.

NOZZLE



SPOOLS

Description

We specialize in crafting high-quality spools tailored to meet the unique needs of diverse industries. From stainless steel to specialized alloys, we use top-grade materials to guarantee durability, corrosion resistance, and optimal performance in various environments. Our spools find applications across a range of industries, including oil and gas, piping, and manufacturing. We offer versatile solutions to meet the unique demands of various projects.

TOWER FLANGES FOR WINDMILL



Description

REAL FORGE & FITTING is a leading provider of tower flanges tailored for the wind energy sector. Specializing in the design and manufacturing of high-quality tower flanges, we contribute to the success of windmill projects by delivering reliable and precision-engineered components. Every tower flange is subjected to meticulous inspections and testing, guaranteeing compliance with industry standards and the longevity of our products.



Forged Rings

Description

REAL FORGE & FITTING is your premier destination for top-quality forged rings. Specializing in precision craftsmanship and material excellence, we deliver forged rings that meet the highest industry standards. Our process, combining cutting-edge techniques and meticulous quality control, ensures the reliability and durability of our products.



Description

Our forged blocks find applications across a spectrum of industries, including aerospace, oil and gas, automotive, and machinery. The adaptability of our products positions us as a trusted supplier for critical components in diverse sectors.

FORGED BLOCKS / PLATES





Material We Use...

Nickle Alloys	Inconel 625 (UNS N06625), Inconel 600 (UNS N06600), Inconel 601 (UNS N06601), Incoloy 800 (UNS N08800), Incoloy 825 (UNS N08825), Incoloy 330 (UNS N08330), Hastelloy B2 (UNS N010665), Hastelloy C22 (UNS N06022), Hastelloy C276 (UNS N10276), Monel 400 (UNS N04400), Alloy 20 (UNS N08020), SMO 254 (UNS S31254)
Duplex & Super Duplex Steel	Duplex 2205 (UNS S32305/S31803), Super Duplex 2507 (UNS S32750) , Zeron UNS 32760,
Stainless Steel	SS304 (UNS S30400), SS304L (UNS S30403), SS316 (UNS S31600), SS316L (UNS S31603), SS304H (UNS S30409), SS316H (UNS S31609), SS310 (UNS S31008), SS316Ti (UNS S31635), SS317 (UNS S 31700), SS321 (UNS S32100), SS347 (UNS S34700), SS904L (UNS N08904)
High Strength Steel	AISI 4130 (UNS# G41300), AISI 4140 (UNS# G41400), AISI 4340 (UNS G43400), AISI 8620 (UNS G86200), AISI 8630 (UNS G86300)
Alloy Steel	F5 (UNS K41545), F11 (UNS K11597), F12 (UNS K11562), F22(UNS K21590), F91 (UNS K90901), F92 (UNS K92460),
Carbon Steel	A105 (UNS K03504), A350 LF2



QUALITY CONTROL & TESTING FACILITY

At our forging company, quality control is paramount to ensuring the precision and reliability of our products. We adhere to rigorous testing methods and industry-leading standards throughout our manufacturing processes. Our quality control processes includes meticulous inspections at key stages, from raw material verification through forging and machining to final product inspection. We employ cutting-edge technologies, such as non destructive testing (NDT) methods like ultrasonic and magnetic particle testing, to identify and address any potential defects. Our commitment to excellence extends to comprehensive dimensional checks, material property assessments and adherence to relevant certifications. With a dedicated quality control team, we guarantee that each forged component meets or exceeds the highest industry standards, providing our customers with confidence in the durability and performance of our products.

1. Positive Material Identification(PMI) Machine
2. Ultrasonic Testing (UT) Machines
3. Magnetic Particle Testing (MPT) Equipment
4. Tensile Testing Machines
5. Impact Testing Machines
6. Hardness Testing Equipment
7. Coordinate Measuring Machines (CMM)
8. Heat Treatment Monitoring System
9. Visual Inspection Tools
10. Quality Management Software





REAL FORGE & FITTING

QUALITY POLICY

We at Real Forge & Fitting (RFF) aspire to be the trustworthy manufacturer and Service provider of Pipe Fittings, Forged Fittings, Forged Flanges & Forged Components (Gear, Shaft, Wheel, Nozzle, etc.) in variety of materials including exotic material (Monel, Inconel, Hastelloy), Nickel Alloy, Duplex Steel, Titanium Steel, Carbon Steel, Low Temperature Carbon Steel, Alloy Steel, Stainless Steel, & Special Alloys. We have strong vision to install effective management system with help of investments in terms of time, efforts, and money.

We commit ourselves to:

Satisfying the needs of our customers, in timely delivery with top-notch quality products/services.

Ensure that we supply Quality products/services following all legal requirements. Improve our functional coordination, productivity, quality, delivery, customer satisfaction, morale, and skills of employees.

Improve the working conditions, safety, and 5S of workplace.

Focus on the Identification of Traceability to ensure proper tracking and documents through all stages.

Focus to attract, retain, and reward talented individuals to ensure a high-performing culture.

We commit to continually improve the Quality Management System (QMS)

In short "Customer First - Employee Must - Waiting नष्ट - Progress Just"



REAL FORGE & FITTING

::Product::

Forge Flanges | Forge Fitting | Forged Gear
Forged Shaft | Wheel | Forged Bar
Stub | Circle | Tube Sheet | Spools
Self Reinforced Nozzles And Hollow Forgings
Tower Flanges For Windmill | Forged Rings
Forged Blocks / Plates

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