

## FORGINGS, FLANGES & FITTINGS



House of  
Complete  
Forging  
Solutions...

*KPS - Where Search of Complete Forging Solution Ends.*

**KPS Forge (India) Private Limited**

**Address :** Khasra No. 680, Vill : Durriyai, Tehsil-Dadri, G.B. Nagar - 203207 (UP) India

**Webpage :** [www.kpsforge.com](http://www.kpsforge.com) | **Email :** [sales@kpsforge.com](mailto:sales@kpsforge.com) | **Phone :** +91-(0) 120-6936315

***KPS - Promise Our Customers to Provide Best Quality Products.***

## **ABOUT KPS FORGE :**

KPS Forge is leading Manufacturer of Premium Quality Forgings, Flanges & Fittings in Ferrous as well as Non-Ferrous Alloys. Located in Ghaziabad, An industrial hub near to Delhi, Capital of India, is one of The Most Ideal Geographical Location For Air/sea Shipment Across The World. Since Its Inception In 2007, Kps Has Grown To The Stature Of Being India's Most Preferred Brand For Complete Forging Solutions Company Which Includes Forged Flanges, Customized Forgings, Rings, Blocks, Round Bars, Valve Parts & Fittings. We Are Catering Oil & Gas, Refineries, Petrochemicals, Chemicals, Fertilizers, Pharmaceuticals, Pulp-papers, Power & Energy, Marine & Drilling, Cement And Other Related Industries.

KPS Forge has been striving to supply various quality forged products for the industry of oil & gas, Petrochemical Refinery, Fertilizer, General Engineering so on, KPS Forge has expertise to Forge products from 1 Kg To 6000 Kg In Different Grades Material Like Duplex & Super-Duplex Steels, Nickel-Alloys, Stainless Steel, Alloy Steels & Carbon Steels. Continuous Development to manufacture grades forging as per international standards lead us to have a good reputation as well as satisfaction from clients.

Every Product Manufactured by KPS forge comes with 36 Months Free Replacement Warranty which gives more confidence to our customers while working with us. With 24/7 hours Sales & Technical Team Support, we are just a Email/Phone call away to get associated with you.

### **FORGING**

Forging is a kind of shaping process in which a malleable metal (casting like billets, ingots etc.) is worked (forged) to a pre-determined shape by- hammering or pressing to strengthen the material.

Main Forging methods are close die, open die, rolling press forgings.

#### **Infrastructure**

- Pneumatic Forging Hammer 2 MT-01 No.
- Hydraulic Forging Hammer 8 MT -02 No.
- Hydraulic Press (500MT)-01No.
- Heating Furnace (10MT)-02Nos.

### **HEAT TREATMENT**

Heat Treatment means heating of the job at certain temperature to reduce the stresses and improve the structure and hence mechanical properties.

We perform Normalizing, Tempering, Hardening, Quenching, Solution Annealing etc.

#### **Infrastructure**

- HT Furnace Boggie Type(10MT) 1 No.
- HT Furnace (Robotic Arm Type) (6MT) - 1 No.
- Oil & Water Quenching Tank
- PIT Cooling

### **PRECISION MACHINING**

Precision Machining is a kind of manufacturing process to remove the excess material from the metal to achieve desired sizes as per drawing/Customer requirement.

We are capable of doing all kind of machining work with closed tolerance.

#### **Infrastructure**

- VMC M/C
- Drill M/C
- CNC M/C
- Planer-Miller
- Band-Saw M/C
- VTL M/C
- Boring M/C
- Lathe M/C



**Raw Material  
Inspection**

**Cutting**

**Forging**

**Inspection  
(UT & Dimension)**

*KPS - Deliver What We Promise Delivery is our Stone Streak. On Time Delivery : 92% (FY 2021-22)*

## **MANUFACTURING CAPABILITY :**

KPS Forge has the manufacturing facility to produce single piece range from 1 Kg to 6000 Kgs. With in-house Forging, Heat Treatment, Testing & Machining Facility, we offer very competitive prices with complete control over each and every Process. Products being manufactured by KPS are Forged Flanges (Standard & Customized), Self-Reinforced Nozzles, Body, Bonnet, Housing, Tubesheets, Discs, Forged Blocks, Stepped Shafts, Forged Rings, Couplings, Bush, Hollow Bars, Crane Wheels, Sleeves, Cylinder, Forged Shafts, Forged Fittings, Butt Weld Fittings, Swivel Joints, API Forgings, Spindles, Hubs, Caps, Laterals, Gear Blanks, Hemispherical Heads, Shells and much more. Right from the Raw Material procurement to final dispatch we do follow stringent inspection test plan as per approved ITP/QAP. KPS Forge Catering more than 100 material grades to manufacture these components. These grades are available as per ASTM; however equivalent grades are also available in EN/DIN/BS material grades etc. Dual certificate or quadruple certificate can be issued by complying the requirements.

### **FORGING**

**Product :**

- Forged Rings, Tubesheet, Girth Flanges, Cover Flanges, Forged Bars, Blocks, Round Bars, Shafts, Sleeve, Hubs, Gears, Blanks, Finish Machined Components etc.

**Specification :**

- As per Customer Requirements/Drawings/ Size.

**Size Range :**

- Ring / Circle
- Max. OD 2000 MM
- Max. Thickness 400 MM
- Max. Input Weight 6000 kg
- Round Bar
- Max. OD 550 MM
- Max. Length 6000 MM

### **FLANGES**

**Product :**

- Welding Neck Flange, Slip on Flange, Socket-Weld Flange, Blind Flange, Threaded Flange, RTJ Flange, Spectacle Blind, Orifice Flange, Nippo Flange, Long Weldneck etc.

**Specification :**

- ASME B16.5, B16.36, B16.47, B16.48, MSS-SP-44, DIN-EN1092-1

**Size Range :**

- NPS 1/2" - NPS 24" Pressure Rating 150# - 2500#
- NPS 26" - NPS 48" Pressure Rating 150# - 900#
- PN6 PN320/ISO PN 2.5 - PN 100

### **FITTINGS**

**Product :**

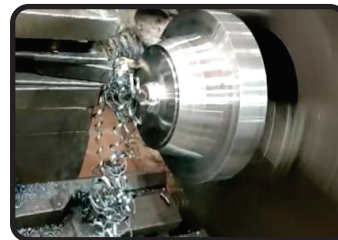
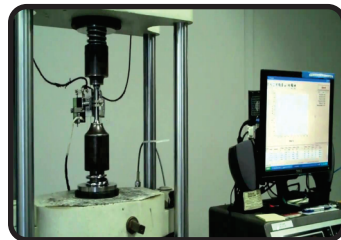
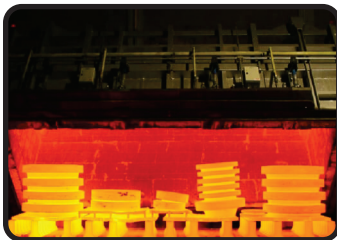
- Elbows, Tees, Reducers, End Caps, Swage Nipples, Stub Ends Cross, Plug, Reducing Coupling, Caps, Insert, Socket, Elbolets, Leterolets, Weldolets, Sockolets etc.

**Specification :**

- B16.9, B16.11, MSS-SP-97
- As Per Drawing.

**Size Range :**

- 1"-24" (Seamless)
- 6"-72" (Welded)
- 1/2"-4"(Forged/Branch)



**Heat Treatment**

**Testing (Chemical & Mechanical)**

**Machining (As Per Drawing/Size)**

**NDT (UT/MPI/PI)**



**KPS - One Stop Shop for Wide Range of Products. Flanges, Forgings & Fittings.**

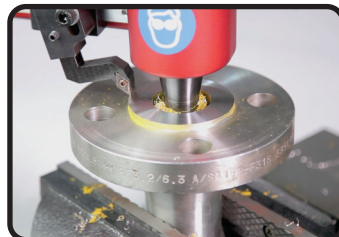
## QUALITY ASSURANCE :

At KPS, Quality is not just a term rather it is a culture which is embedded in everyone blood. Quality means; "Fit for the Purpose". We strongly believe in providing top-notch quality products and make sure that material is suitable for the application for which it intended to. Every single process going on shop-floor is strictly as per work instructions and procedures which has been well written and verified by industrial experts having experience more than 40 years in respective field. We have qualified team of NDT Level-2 personnel to perform various non-destructive testing like we have experienced technicians & metallurgist to perform various destructive tests. Irrespective to Customer's requirement, we do 100% NDT tests (as per test plan) and Destructive tests on every single product which gives more confidence while offering the same with 36 months warranty period of time. At KPS, we have the capability to handle TPI such as TUV, DNV, BVIS, Lloyds, IRS etc. For EN 10204-3.2 Certification , By default, we issue EN 10204-3.1 Certificate Under Self - Inspection.

CERTIFICATION	MATERIAL GRADES	TESTING
<p>Our Quality Management System is certified under ISO 9001:2015 by UKAS is a sign of KPS is commitment toward quality of products. KPS Forge is "Well Known Forge" as per IBR regulation 1950 which is gateway to work in steam &amp; Boiler industries in India.</p> <p>Few of certificates are :</p> <ul style="list-style-type: none"> <li>• ISO 9001:2015</li> <li>• ISO 14001:2015</li> <li>• ISO 45001:2018</li> <li>• PED 2014/68/EU &amp; AD 2000 Merkblatt W0</li> <li>• Indian Boiler Regulation (IBR) - Well Known Forger</li> <li>• Canadian Registration Number (CRN)</li> </ul>	<p><b>Carbon Steel :</b> SA-105, LF2, LF-6, LF-3, S355J2, P250GH, P355GH, EN-8, EN-9, F-46, F52, F60, F65, F70,CL-1/CL-2 CL-3, CL-4, SA266 Gr.2,Gr.4 etc.</p> <p><b>Alloy Steel :</b> F11, F12, F22, F91, F1, F5, F9, EN-19, EN-24, 4130, 4140, 4340, 8620, 17-4PH, API60K, API75K etc.</p> <p><b>Stainless Steel :</b> F304/304L/304H,F316/F316L/F316H, F321, F347, F310, F317L, F904L, F316Ti, SS-410, SS-415, SS-416, SS-420, XM-19 etc.</p> <p><b>Duplex &amp; Super Duplex Steel :</b> F51/F60/2205, F53/32750, F55/32760, F44/UNS31254, F61/UNS32550 (Ferralium 255)</p> <p><b>Nickel Alloys :</b> Monel-400, Inconel-600, 625, 718, 825, Alloy 800, Alloy C-276, Alloy C-22, X-750 etc.</p>	<p>We have qualified Quality Engineers having average experience more than 10 years capable to perform all types of Destructive &amp; Non-Destructive Testings. We have in-house testing facility of:</p> <p><b>Destructive Testings :</b></p> <ul style="list-style-type: none"> <li>• Tensile (at RT &amp; at Elevated temp)</li> <li>• Impact (Up-to -19 Degree C)</li> <li>• Hardness(Portable/Rockwell) (IGC)</li> <li>• Microstructure/Etching Bend Tests other tests like HIC, SSCC etc. can be performed in NABL approved laboratory as per customer request.</li> </ul> <p><b>Destructive Testings :</b></p> <ul style="list-style-type: none"> <li>• Ultrasonic (UT)Liquid Penetrant (PT)Magnetic Particle (MPI)Visual (VT)Radiography (RT)</li> </ul>



**Drilling**



**Finish Machining**



**Final Inspection (Dimension & PMI)**

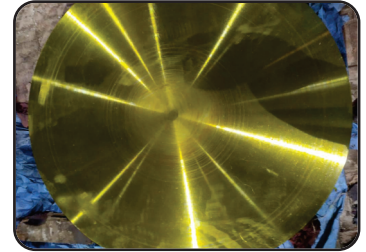
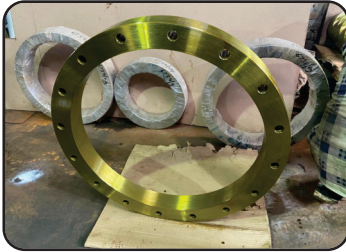
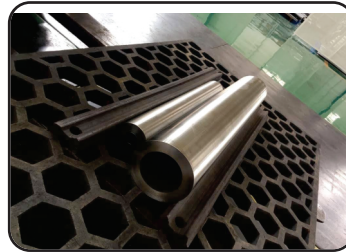
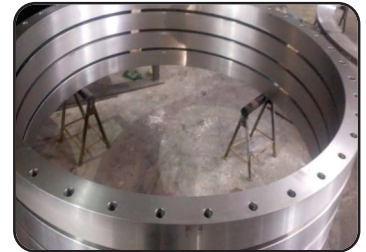
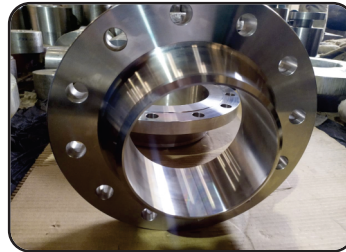
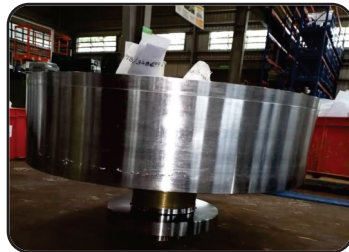
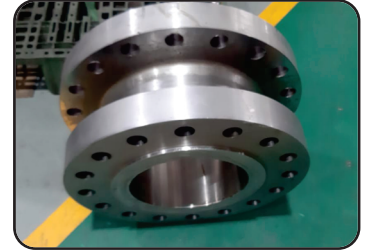
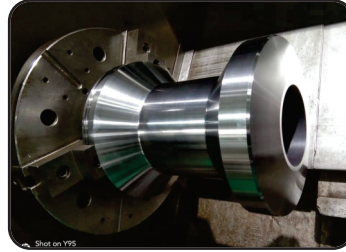
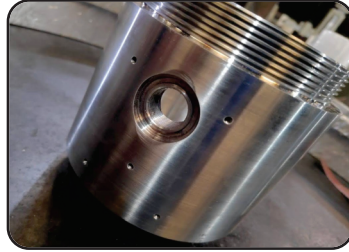


**Marking, Packing & Dispatch**



*KPS - Offers Every Single Product With 36 Months Free Replacement Warranty.*

## PRODUCT GALLERY





## INDUSTRIES

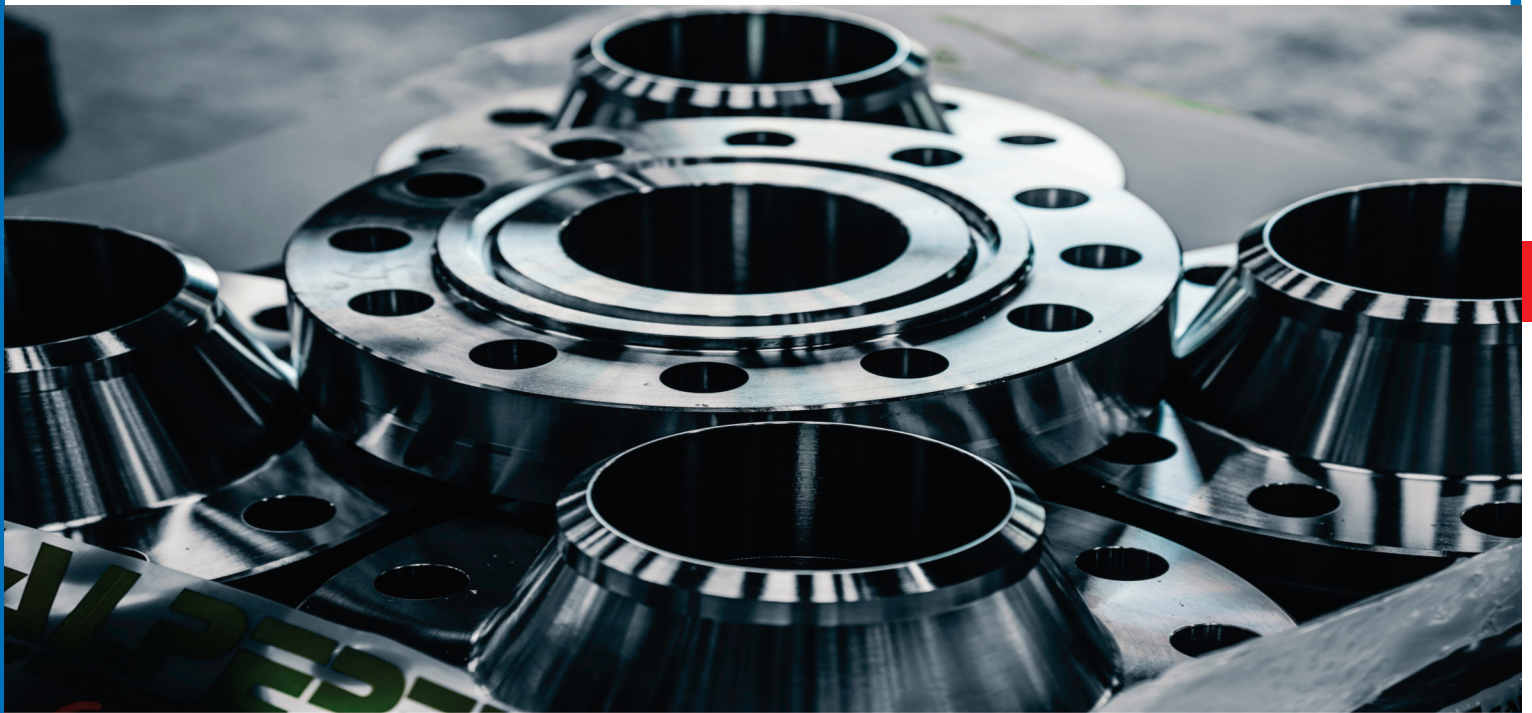
- Oil & Gas
- Petrochemical
- Fertilizers
- Energy & Marine
- Refineries
- Pharmaceutical
- Textiles
- Engineering
- Sugar
- Power & Energy
- Cement
- Pulp & Paper etc.

## PRODUCTS

- Forged Rings & Sleeves
- Forged Bars & Step Shafts
- Standard & Customized Flanges.
- Rectangular & Square Blocks.
- SRN Nozzles, Lips & Hubs
- Gear & Couplings
- Forged Blanks / Tubesheets
- Hollow Forgings & Shell
- Fittings (Seamless/Welded)
- Body, Bonnet & Adaptor
- Cage & Trim Parts etc.

## APPLICATIONS

- Valves
- Pressure Vessels
- Heat Exchangers
- Boilers
- Process & Flow
- Defence & Aerospace
- Railway
- Oilfield & Drilling
- Skid Packages
- Instrumentation
- Pumps
- Filters & Strainers etc.



***KPS - Forging Relationship with Trust.***



Forge (India) Pvt. Ltd.

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