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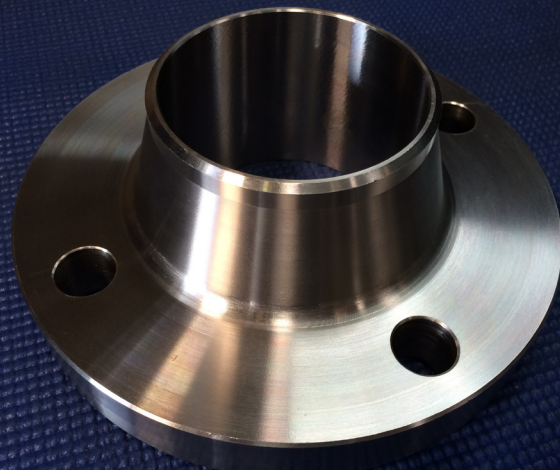
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## > FLANGES

Kisaan Die Tech has built its reputation on flanges. We have been manufacturing high quality flanges from carbon, alloy and stainless steels for ten years. Kisaan Die Tech can forge, heat treat and finish flanges to most international standards or to custom specifications.



Kisaan Die Tech has the facilities, expertise and experience to forge standard and custom components ranging from 1 to 4000kg, using open or closed dies.

In addition our standard range of flanges, which are manufactured to ASME/ANSI B16.5 (NPS ½” through NPS 24” and pressure classes 150 to 2500), Kisaan Die Tech also manufactures flanges to the following standards:

- > DIN flanges in sizes ranging from DN10 to DN3600, with ratings of PN6 to PN160
- > Flanges with diameters of 26-48 inches (NPS) and pressure classes 150 to 600 lbs, according to BS3293
- > AWWA Standard Flanges up to 48” NPS
- > Spectacle Blind/Figure 8 flanges according to API 590/ASME B16.48
- > Well Head and Christmas Tree equipment according to API 6A
- > Non-Standard/ Custom Flanges to a maximum diameter of 2000mm and a maximum weight of 5000 kg.
- > Large diameter flanges (up to NPS 60) are forged according to ASME/ANSI B16.47 and API 605.

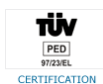
To ensure proper sealing, Kisaan Die Tech also offers a range of flange face finishes, including Ring Type Joint (RTJ) and Tongue and Groove. **Please contact us for more information.**

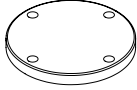

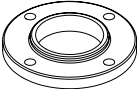


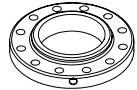

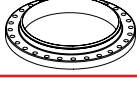
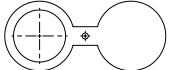
## > CERTIFICATIONS

Our Quality Management programme is certified under ISO 9001:2008. Kisaan Die Tech is also a certified manufacturer of pressure equipment, in accordance with the European Union's Pressure Equipment Directive (PED 97/23/EC) and AD 2000-Merkblatt W0. Our commitments to the health and safety of our employees and to the environment are evidenced by our OHSAS 18001 and ISO 14001 certifications.

## > QUALITY ASSURANCE

Kisaan Die Tech prides itself on its rigorous vendor qualification and material testing programmes. Our regimen of chemical, mechanical and Non Destructive testing ensures that every forging we produce meets our high quality standards. In addition to in-house testing, Kisaan Die Tech is also able to provide third party analysis by independent agencies such as TÜV, Det Norske Veritas, Lloyd's Register, and through NABL (National Accreditation Board for Testing and Calibration Laboratories, India) approved laboratories.



Flange Type	Description/Application	Isometric Drawing
<b>Blind Flange</b>	Blind flanges are used to seal openings in pipes and pressure vessels. Blind flanges can be used in systems where expansion is anticipated or where fluid measurements are required.	
<b>Weld Neck and Long Weld Neck Flange</b>	Weld Neck Flanges are used to reduce stress concentrations in high pressure applications. A tapered hub with an internal diameter equal to that of the mating pipe is used to prevent turbulence at the joint and reduces erosion.	
<b>Slip-On Flange</b>	A Slip On Flange has an inside diameter larger than the outside pipe diameter, so that the mating pipe can slide into it. Although these flanges typically have thinner wall thicknesses than other flanges, they reinforce the pipe at the flange junction.	
<b>Socket Weld Flange</b>	A Socket Weld Flange is stepped internally to allow the mating pipe to butt up against a step inside the flange. This reduces flow restrictions by maintaining a constant internal diameter and facilitates welding by locating the pipe inside the flange.	
<b>Threaded Flange</b>	A Threaded Flange is threaded to mate directly to a pipe. It is recommended for low pressure applications or where welding is not possible.	
<b>Orifice Flange and Orifice Flange Unions</b>	Orifice Flanges are used to measure the volumetric flow rate of fluids. An Orifice Flange Union comprises two orifice flanges. Each flange comes with two pipe taps for measuring the pressure drop of the flow through an orifice plate. Kisaan Die Tech's orifice unions come complete with gaskets, nuts, bolts and jack screws and are made to B16.36 specifications. We can also manufacture orifice unions to custom specifications.	
<b>Lap Joint or Loose Flange</b>	A Lap Joint or Loose Flange is used with universal stub end fittings. A stub end fitting is welded to the pipe and secured by a Lap Joint/Loose Flange to the mating flange. The flange and the pipe with the stub end can rotate independently to facilitate alignment. Lap joint flanges are ideal for applications that require frequent disassembly.	
<b>Large Diameter Flange</b>	Kisaan Die Tech manufactures large diameter flanges according to international standards or to your specifications.	
<b>Spectacle Blind Flange</b>	A Spectacle Blind Flange is used to isolate a section of line or piece of equipment by blocking fluid flow.	

Kisaan Die Tech sources materials from reputable suppliers around the world. We are proud to offer our flanges in the following material grades:

ASTM A182 F5	ASTM A182 F304/H/L	ASTM A 105N
ASTM A182 F9	ASTM A182 F316/H/L	ASTM A 350 LF2
ASTM A182 F11	ASTM A182 F321/H	CSA (Canadian Standards Association) Grades
ASTM A182 F22	ASTM A182 F310/H	ASTM A 694: High Strength transmission- service pipe.
ASTM A182 F91	ASTM A182 F317/L	ANSI/NACE MR0175/ISO 15156
	ASTM A182 F347/H/L	NACE MR0103

**For information about materials or standards not listed here, please contact us.**