ZHENGZHOU HUITONG PIPELINE EQUIPMENT CO., LTD.
TEL: 86-371-60953359
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CELL PHONE: 86-15039070181
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WEBSITE: www.htpipe.com
ADD: ROOM2004, EXPO CENTER, JINSHUI DISTRICT, ZHENGZHOU CITY, HENAN PROVINCE, CHINA 450000

THE GLOBAL LEADER OF SPECIAL METALS
SPECIALIST OF PIPE FITTINGS, FLANGES, FASTENERS, PIPE SPOOLS, ETC.

ONE STOP SOLUTION OF PIPING PROJECTS
CARBON STEEL \ ALLOY STEEL
STAINLESS STEEL \ DUPLEX & SUPER DUPLEX
NICKEL ALLOY MONEL INCONEL INCOLOY HASTELLOY, ETC.

ZHENGZHOU HUITONG PIPELINE EQUIPMENT CO., LTD.
Welcome to HT pipe (Zhengzhou Huitong Pipeline Equipment Co., LTD.)

We are one of prominent manufacturers, suppliers, and exporters of fittings, flanges, forgings, fasteners, pipes/tubes, plates/sheets, bars/rods, etc. in various material grades. Also, we are experts in exporting all around the world and have successfully supplied to over 60 countries.

One-Stop Solution from Raw material to Manufactured products

The ONE SINGLE SOURCE for Stainless, Duplex, Special Alloy & Carbon Steel, etc. With our production line of fittings, flanges, forgings, etc., and good relationship with different manufacturers in the steel field, we can get virtually any type of metal products you need to save your time and purchasing cost.

MFG&DIST OF Inconel, Monel, Hastelloy, Duplex Stainless Steel

Large and extensive inventory in Special Metal, Inconel, Monel, Hastelloy, Nitronic & Duplex Stainless Steel grades. These Grades are stocked in Plate, Sheet, Bar, Wire, Pipe, Tube, Fittings, Welding Materials and any requirement your company needs. It allows fast deliveries on hard to find metals and solves the MOQ problem for our clients.

Many Solutions, One decision here

With decades of experience in manufacturing and exporting, HT team can solve any of your problems in design, technique, manufacturing, orders, shipping, etc.

Leading Provider of Pipe Spools Prefabrication

Pipe Fabrication is one of our core capabilities. HT will fabricate the piping spools and will give as a complete package as per the client's requirements using our advanced computer-control equipment.

Zhengzhou Huitong Pipeline Equipment Co., LTD.
### WROUGHT STEEL BUTT-WELDING FITTINGS

A butt weld pipe fitting is designed to be welded on site at its end(s) to connect pipe(s) together and allow change in direction or pipe diameter, or branching or ending.

This fitting then becomes part of a system for transporting fluids (oil, gas, steam, chemicals, ...) in a safe and efficient manner, over short or long distances.

### Standard
<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Size: 1/2”-48” Wall thickness: SCH5S-SCHXS</td>
</tr>
<tr>
<td>ASME B16.28</td>
<td>Short Radius Elbows, Short Radius 180° Returns</td>
</tr>
<tr>
<td></td>
<td>Size: 1/2”-24” Wall thickness: SCH5S-SCHXS</td>
</tr>
<tr>
<td>ASME B16.49</td>
<td>30° 45° 60° 90° Long Radius Short Radius Bend</td>
</tr>
<tr>
<td></td>
<td>Size: 1/8”–12” Wall thickness: SCH5S-SCHXS</td>
</tr>
<tr>
<td></td>
<td>Size: 1/2”-24” Wall thickness: SCH5S-SCHXS</td>
</tr>
<tr>
<td>MSS-SF75</td>
<td>Long Radius Elbows, 3R Elbows, Straight Tees, Reducing Outlet Tees, Caps, Reducers</td>
</tr>
<tr>
<td></td>
<td>Size: 16”-60” Wall thickness: SCH5S-SCHXS</td>
</tr>
<tr>
<td>ISO, DIN, JIS</td>
<td>All Kind of Butt Welding Products or As Per Client’s Drawing</td>
</tr>
<tr>
<td></td>
<td>As Per Client’s Drawing</td>
</tr>
</tbody>
</table>

### Material Grade

- **Nickel Alloy:**
  - ASTM A860 WHPY 52, 60, 65, 70
  - ASTM A234 WP 5, WP 9, WP 11, WP 12, WP 22, WP 91

- **Carbon Steel:**
  - ASTM A376, SA376, E376

- **Low Alloy Steel:**
  - ASTM A203, SA203, E203

- **Low Temp Carbon Steel:**
  - ASTM A333, SA333, E333

- **Duplex and Super Duplex Steel:**
  - ASTM A829, SA829, E829

- **Stainless Steel:**
  - ASTM A312, SA312, E312

- **High Strength Ferritic Steel:**
  - ASTM A620, SA620, E620

- **Titanium:**
  - ASTM B337, SB337

- **Cu Ni Alloy:**
  - ASTM B366, SA366, E366

### Hot Sale
- Hastelloy C276, C22, Inconel, Incoloy 800, 825, Monel 400, S32100, S32205, S32750, S32760, 904L, ASTM A860 WHPY 52, 60, 65, 70, ASTM A234 WP 5, WP 9, WP 11, WP 12, WP 22, WP 91
- www.htpipe.com
- info@htpipe.com
- 86-371-60953359
Forged Pipe Fittings (Socket Weld and Threaded) are made in accordance to ASME B16.11, MSS-SP-79/83/95/97 and BS3799 standards, and are used to connect nominal bore schedule pipes and pipelines.

The applications range from chemical, petrochemical, power generation and OEM manufacturing industry as well other applications where vibration, high pressure or extremely corrosive conditions exist.

### Standard, Type, Class Rating/Schedule, Ends, Size

<table>
<thead>
<tr>
<th>Standard</th>
<th>Type</th>
<th>Class Rating/Schedule</th>
<th>Ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASME B16.11</td>
<td>90° Elbow, 45° Elbow, Tee, Cross/ Pipe</td>
<td>Threaded</td>
<td>1/2&quot;-4&quot;</td>
</tr>
<tr>
<td>ASME B16.11</td>
<td>Cast Half Coupling/Full Coupling</td>
<td>Socket-welding</td>
<td>1/2&quot;-4&quot;</td>
</tr>
<tr>
<td>ASME B16.11</td>
<td>90° Elbow, 45° Elbow, Tee, Cross/ Pipe</td>
<td>Threaded</td>
<td>1/2&quot;-4&quot;</td>
</tr>
<tr>
<td>ASME B16.11</td>
<td>Socket Elbow</td>
<td>Threaded</td>
<td>1/2&quot;-1-1/2&quot;</td>
</tr>
<tr>
<td>ASME B16.11</td>
<td>Lateral Tee</td>
<td>Threaded</td>
<td>1/2&quot;-1-1/2&quot;</td>
</tr>
<tr>
<td>ASME B16.11</td>
<td>Push Bushing/Hex Bushing/Socket weld Round Plug/ Square Plug</td>
<td>Threaded</td>
<td>1/2&quot;-4&quot;</td>
</tr>
<tr>
<td>MSS SP79</td>
<td>Reducer Inserta</td>
<td>Socket-welding</td>
<td>3/8&quot;-1 1/2&quot;</td>
</tr>
<tr>
<td>MSS SP83</td>
<td>Union</td>
<td>Socket-welding threaded</td>
<td>1/2&quot;-4&quot;</td>
</tr>
<tr>
<td>MSS SP83</td>
<td>Concentric/Eccentric/ Swaged Nipples</td>
<td>Socket-welding threaded</td>
<td>1/8&quot;-12&quot;</td>
</tr>
<tr>
<td>MSS SP95</td>
<td>Reducer</td>
<td>Bulk-welding</td>
<td>1/8&quot;-36&quot; or larger</td>
</tr>
<tr>
<td>BS3799</td>
<td>Bosses</td>
<td>3000LB</td>
<td>1/8&quot;-1/2&quot;</td>
</tr>
<tr>
<td>BS3799</td>
<td>Pipe Nipple</td>
<td>3000LB</td>
<td>1/8&quot;-1/2&quot;</td>
</tr>
<tr>
<td>BS3799</td>
<td>Weldolet</td>
<td>3000LB</td>
<td>1/8&quot;-1/2&quot;</td>
</tr>
</tbody>
</table>

### Material Grades

- Nickel Alloy
- Copper Alloy
- Stainless Steel
- Duplex and Super Duplex Steel
- Carbon Steel
- Low Temp Carbon Steel
- High Yield Carbon Steel
- Alloy Steel
- Titanium

### Notes

- Note 1: For the swage nipples, pipe nipples, the material can be referred to the pipe standard.
- Note 2: For the national pipe thread (NPT), female pipe thread (FPT), male pipe thread (BSP), the British standard pipe thread.

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**ASTM** A182 F5 F53 F55 F44 F904L, Monel 400, Hastelloy C276, C22, Inconel/Incoloy 600, 601, 625, 825, Alloy 20, ASTM A182 F5 F9 F11 F12 F22 F91

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**FORGED PIPE FITTINGS**

For hot sale inquiries, please contact us:

- **HUITONG**
- www.htpipe.com
- info@htpipe.com
- 86-371-60953359
The flange is the second most used joining method after welding. Flanges are used when joints need dismantling. It provides flexibility for maintenance. Flange connects the pipe with various equipment and valves. Breakup flanges are added in the pipeline system if regular maintenance in required during plant operation.

A flanged joint is composed of three separate and independent although interrelated components; the flanges, the gaskets, and the bolting; which are assembled by yet another influence, the fitter. Special controls are required in the selection and application of all these elements to attain a joint, which has acceptable leak tightness.
The prefabricated components of a piping system are called pipe spools. They include the pipes, flanges and fittings, and they are mounted during the fabrication before they are delivered to the construction site. They are delivered pre-mounted so to make them easier to assemble using hoists, gauges, and other tools for assembly. Pipe spools connect long pipes with flanges at the tips so that they can be bolted to another pipe with matching flange. Pipe spools are imbedded into concrete walls before the concrete is poured. The pipe spool has to be positioned properly before concrete is to make sure that it can withstand the weight and force of the concrete as it is poured. This process is important because you will need to go back and run the pipe sometime in the future.

A pipe spool is an assimilation of piping components, which is prefabricated in a piping shop, for installation in the field. They are often flanged to facilitate the connection to other spools.

HT will fabricate these spools and will give as a complete package as per the clients’ requirements. We can also provide removable containerized prefabrication workstations, including modules of pipeline cutting, beveling, assembling and welding, which makes much easier to do on-site prefabrication.

Pipe Fabrication is one of our core capabilities. Fabricating carbon and alloy piping systems, our projects consist of large capital projects with thousands of spools, as well as routine maintenance and one spool orders. Our shops and fabrication facilities are filled with highly skilled craftsmen, pipe fitters, pipe fabricators, pipe welders with excellent safety and quality performance records, greater quality, efficiency and, ultimately, significant cost savings for customers. We take great pride in not only meeting, but exceeding our customers’ expectations in all areas, including performance, design, logistics, schedule, delivery, and cost. We are your preferred pipe fabricators.

HT is highly qualified to produce piping spools and assemblies for all grades of:

- Carbon Steel
- Stainless Steel
- Chrome-moly
- Chrome Alloys (including P91)
- High Alloy
- Nickel Base Alloy
- Hastelloy
- Low Temperature
- Duplex Grade
- And Many Other Alloy Materials

Pipe sizes ranging from ½” diameter small bore up to 60” diameter large bore piping spools. Our shops are equipped with the most modern welding equipment on the market, enabling us to provide very competitive pricing for our customers.
A fastener is a hardware device that mechanically joins or affixes two or more objects together. In general, fasteners are used to create non-permanent joints; that is, joints that can be removed or dismantled without damaging the joining components.
Steel pipes can be disintegrated on the basis of its application. Typical applications of steel pipes are in the area of water pipelines, industrial water lines, oil pipe lines, cross country pipe line, agriculture and irrigation pipes, tube lines for natural gas, chemical industries, automobile industry, construction industries and other purposes.
Steel bars are one of the core components of any manufacturing industry or for that matter any industry that relies on machineries. Thanks to its versatile applications, steel bars find itself in the epicenter of most of engineering industries, be it automotive, textile, fabrication, construction, cement, ship building, paper and pulp, defence, heavy earth moving equipments or aerospace.

The overwhelming popularity of steel bars is owed to the fact that it is possible to be produced in varying types, shapes, sizes, and grades of bars to cater the exact technical requirements. Steel bars generally have the shapes such as flat, round, hexagonal, square and channel and on most of the occasions, it is the shape of the bar that defines its application area.
Steel plates are often used for structural and construction applications, pressure vessels, marine and offshore equipment, and military applications. The grade, elements and parameters of a steel plate are also important in how it is used.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material Grade</th>
<th>Length</th>
<th>Width</th>
<th>Thickness</th>
<th>Process</th>
<th>Surface</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate</td>
<td>Carbon Steel</td>
<td>0~12m</td>
<td>0~2500mm</td>
<td>0.3~1200mm</td>
<td>Hot/Cold Rolled</td>
<td>No.1 No.2D No.2E No.3 No.4 No.5 No.7</td>
<td></td>
</tr>
<tr>
<td>Sheet</td>
<td>Carbon Steel</td>
<td>0~12m</td>
<td>0~2500mm</td>
<td>0.3~1200mm</td>
<td>Hot/Cold Rolled</td>
<td>No.1 No.2D No.2E No.3 No.4 No.5 No.7</td>
<td></td>
</tr>
<tr>
<td>Strip</td>
<td>Carbon Steel</td>
<td>0~12m</td>
<td>0~2500mm</td>
<td>0.3~1200mm</td>
<td>Hot/Cold Rolled</td>
<td>No.1 No.2D No.2E No.3 No.4 No.5 No.7</td>
<td></td>
</tr>
<tr>
<td>Coil</td>
<td>Stainless Steel</td>
<td>0~12m</td>
<td>0~2500mm</td>
<td>0.3~1200mm</td>
<td>Hot/Cold Rolled</td>
<td>Stainless steel, waterproof paper, wooden pallet, wooden case or as per the client's requirements</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>Surface</td>
<td>Packing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plate</td>
<td>No.1 No.2D No.2E No.3 No.4 No.5 No.7</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sheet</td>
<td>No.1 No.2D No.2E No.3 No.4 No.5 No.7</td>
<td>Stainless steel, waterproof paper, wooden pallet, wooden case or as per the client's requirements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strip</td>
<td>No.1 No.2D No.2E No.3 No.4 No.5 No.7</td>
<td>Stainless steel, waterproof paper, wooden pallet, wooden case or as per the client's requirements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coil</td>
<td>Stainless Steel</td>
<td>0~12m</td>
<td>0~2500mm</td>
<td>0.3~1200mm</td>
<td>Hot/Cold Rolled</td>
<td>Stainless steel, waterproof paper, wooden pallet, wooden case or as per the client's requirements</td>
<td></td>
</tr>
</tbody>
</table>

**Type**
- Plate, Sheet, Strip, Coil

**Length**
- 0~12m or as per your requirements

**Width**
- 0~2500mm or as per your requirements

**Thickness**
- 0.3~1200mm or as per your requirements

**Process**
- Hot/Cold Rolled

**Surface**
- No.1 No.2D No.2E No.3 No.4 No.5 No.7

**Packing**
- Stainless steel, waterproof paper, wooden pallet, wooden case or as per the client's requirements

**Material Grade**

- **Carbon Steel**
  - ASTM A36
  - ASTM A515
  - ASTM A516

- **Alloy Steel**
  - Grade 11/12/22
  - No.1 No.2D No.2E

- **Stainless Steel**
  - ASTM A240
  - S31603 S32750 S32760 S31254 S31550
  - UNS N08367 N08825 N08810

- **Nickel Alloy**
  - UNS N08925 (Inconel 625)

- **Ti**
  - ASTM B265 Ti 1/2/5/7
Consumers have access to many different types of welding electrodes. Each offers features that make it ideal for a certain application. In welding applications, electricity is drawn through an electrode, creating an arc of electricity at the tip of the electrode. Welds are created when the electric arc at the tip of an electrode is drawn onto a work piece. Many types of electrodes melt and are transferred onto a work piece, creating a metal filler, while others do not melt and simply provide a location for an electric arc.