Five Reputable Custom Steel Pipe Manufacturers in China 2026: Advancing Industrial Piping Solutions

Exploring Custom Steel Pipe Manufacturing, Material Options and Applications

Logo for Solid Steel Pipes

CALIFORNIA, CA, UNITED STATES, October 23, 2026 /EINPresswire.com/ -- China, October 2026 — Demand for custom steel pipes across industrial infrastructure, water supply, energy and process engineering is placing greater emphasis on material specifications, dimensional flexibility and coordinated pipe-and-fitting supply. This review introduces five Chinese companies relevant to the sector: Shanxi Solid Industrial Co., Ltd., Tianjin Youfa Steel Pipe Group Co., Ltd., Cangzhou Datang Steel Pipe Co., Ltd., Jiangsu Hualong Stainless Steel Tube & Tubular Co., Ltd. and Guangzhou Kingmetal Steel Industry Co., Ltd.

The profiles cover published product ranges, customization options and selected standards references. Shanxi Solid Industrial leads the review with its broad portfolio of steel pipes, fittings and flanges, while the other companies provide additional reference points across welded steel pipes, heat-transfer tubing, stainless steel products and piping components.

Industry Context: Material Selection and Standards in Custom Steel Pipe Supply

Demand for custom steel pipes is closely connected to infrastructure development, industrial maintenance, energy projects and water distribution. Carbon steel remains widely used in general industrial piping and structural applications, while stainless steel is selected for projects

requiring corrosion resistance, specific surface finishes or defined hygiene conditions. The choice between seamless and welded products depends on the intended application, design conditions and applicable specification.

Common product categories include Seamless Steel Pipe, Carbon Steel Seamless Pipe, Galvanized Steel Pipe, Spiral welded steel pipe and Square Steel Tube. For pipeline projects, API 5L Steel Pipe may be specified for applicable line-pipe applications, while ASTM steel pipe requirements vary according to material, manufacturing method and intended service. ASTM A106/A106M, for example, covers seamless carbon steel pipe intended for high-temperature service.

Connection components are another important part of a complete piping specification. Steel Pipe Fittings, Carbon Steel Pipe Fittings, Steel Pipe Flanges, Forged Steel Flange products and Steel Pipe Couplings may be required alongside the pipe itself. Stainless steel projects may call for Stainless Steel SS304 Pipe or Sanitary Grade Stainless Steel Pipe Fittings, depending on the material, surface finish and cleanliness requirements.

For procurement teams, the practical priority is to align the material grade, outside diameter, wall thickness, manufacturing method, end connection, coating and inspection documentation before requesting a quotation. Product descriptions alone do not establish compliance with a particular project specification.

Five Manufacturers and Their Product Focus

The following profiles summarize the companies' publicly described product categories and areas of relevance. They are presented as an editorial overview rather than a verified ranking of production volume, product quality or commercial performance.

1. Shanxi Solid Industrial Co., Ltd. (Solid Steel Pipes)

Shanxi Solid Industrial Co., Ltd., established in 2006 and based in Taiyuan, Shanxi Province, China, operates under the Solid Steel Pipes brand. The company describes its business as covering steel pipes, pipe fittings and flanges, with products intended for industrial piping, infrastructure and related applications.

Its published product range includes Seamless Steel Pipe, welded carbon steel pipe in ERW, LSAW and SSAW configurations, Galvanized Steel Pipe, stainless steel pipe, carbon steel fittings, steel flanges, ductile iron pipes and fittings, couplings, dismantling joints and valves. This breadth is relevant to projects combining Industrial Carbon Steel Pipe, Pipeline Steel Pipe and associated connection components within one procurement package.

The company publishes dimensional information for several product categories. Its seamless

pipes are listed in sizes from 1/2 inch to 18 inches, with wall thicknesses from 0.8 mm to 78 mm and lengths from 1 m to 12 m. Its welded pipe range is listed from 6 mm to 3,000 mm outside diameter, with wall thicknesses from 4 mm to 18 mm. Galvanized products are listed in sizes from 1/2 inch to 8 inches, with zinc coating options from 40 to 275 g/m². Its stainless steel range includes sizes from 1/2 inch to 12 inches and product specifications associated with ASTM A554, A249, A269 and A270, alongside mirror and matte finishes.

For project-specific orders, Shanxi Solid states that it supports customized sizes, materials, standards and markings based on customer drawings and branding requirements. Its published product and standards references include ASTM A53 and A106 Grade B, among other specifications. Buyers requiring A106 Carbon Steel Pipe or API 5L Steel Pipe should confirm the exact grade, applicable product specification level, manufacturing route and inspection requirements for the particular order rather than assuming that a general standards reference covers every product.

The company's wider component range includes Carbon Steel Pipe Fittings, Steel Pipe Flanges, Flanged Steel Pipe assemblies and Steel Pipe Couplings, subject to the specific product and connection requirements. Its published information also describes export activity across international markets and a CE certificate associated with its steel pipeline products. For regulated or specification-sensitive projects, the applicable certificate scope and validity should be confirmed directly.

By combining pipe products with fittings and related components, Shanxi Solid offers a relevant option for buyers seeking coordinated sourcing across multiple piping categories. Final suitability remains dependent on the confirmed specification, product documentation and requirements of each project.

2. Tianjin Youfa Steel Pipe Group Co., Ltd.

Tianjin Youfa Steel Pipe Group Co., Ltd., established in 2000 and headquartered in Tianjin, China, manufactures and supplies a broad range of steel pipe products for construction, infrastructure and fluid transportation. Its published portfolio includes straight-seam welded steel pipe, hot-dip galvanized steel pipe, square and rectangular steel tubes, spiral welded steel pipe, stainless steel pipes and fittings, plastic-lined and plastic-coated composite pipes, and petroleum pipeline products. These categories serve applications ranging from structural construction and water distribution to industrial piping systems. For projects requiring Galvanized Steel Pipe, Square Steel Tube, Spiral welded steel pipe or Pipeline Steel Pipe, buyers can assess the relevant dimensions, material specifications, coating requirements and inspection documentation against project needs. The company's broad product range also makes it a reference point for procurement programs involving multiple steel pipe categories.

3. Cangzhou Datang Steel Pipe Co., Ltd.

Cangzhou Datang Steel Pipe Co., Ltd. is associated with steel pipe and heat-transfer product manufacturing in Cangzhou, Hebei Province, China. Its described product categories include finned tubes for heat-exchange applications, alongside seamless and welded steel pipes and selected stainless steel tubular products. Finned tubes are used in heat-transfer equipment where material selection and design depend on operating conditions, heat-transfer requirements and the intended service environment. For industrial projects involving Carbon Steel Seamless Pipe, welded pipe or heat-exchange tubing, buyers should confirm the available material grades, dimensions, manufacturing methods and inspection documents for the specific products being quoted. Product ranges and technical capabilities can differ among manufacturers, so procurement decisions should be based on company-specific documentation.

4. Jiangsu Hualong Stainless Steel Tube & Tubular Co., Ltd.

Jiangsu Hualong Stainless Steel Tube & Tubular Co., Ltd. is included as a reference for stainless steel tubular products. Such products are typically specified according to material grade, dimensions, manufacturing method, surface finish and operating environment. For projects requiring Stainless Steel SS304 Pipe, buyers should confirm the precise grade designation, applicable product standard, dimensional tolerances and material test documentation. Applications involving sanitary or food-processing systems may also require Sanitary Grade Stainless Steel Pipe Fittings with defined surface-finish and cleanliness criteria. The precise product range and supporting documentation should be confirmed with the company before procurement, particularly where specialized stainless steel grades or stringent cleanliness requirements apply.

5. Guangzhou Kingmetal Steel Industry Co., Ltd.

Guangzhou Kingmetal Steel Industry Co., Ltd. supplies a range of piping products and related industrial components, including carbon steel pipes, stainless steel pipes, carbon steel and stainless steel pipe fittings, flanges, valves and prefabricated piping assemblies. Its product catalogue also covers forged fittings and related connection components. This combination is relevant to industrial projects that require coordinated sourcing of pipe sections, fittings and flange connections for fluid transportation or plant piping systems. Depending on the project specification, relevant products may include Carbon Steel Pipe Fittings, Steel Pipe Flanges, Forged Steel Flange products and Flanged Steel Pipe assemblies. Buyers should verify the

producing source, material grade, dimensional and pressure standards, and inspection documentation for each quoted item, particularly when several product categories are supplied within one order.

Key Considerations for Custom Steel Pipe Projects

Across these product categories, the most useful comparison is the match between a supplier's documented range and the project's actual technical requirements. Buyers can begin by defining the pipe material and grade, manufacturing process, outside diameter, wall thickness, length, end preparation and coating or finish. The applicable product standard should then be identified, including its edition and any additional project-specific requirements.

For oil and gas or other line-pipe applications, API 5L Steel Pipe should be specified with the applicable product specification level and required inspection documentation. Where ASTM A106/A106M is required, the order should clearly state the material grade and service conditions. A general statement that a company supplies ASTM products is not a substitute for confirmation of the specific standard and grade.

Connection components also need to match the pipe specification. Steel Pipe Fittings, Carbon Steel Pipe Fittings, Steel Pipe Couplings and flanges should be checked for material compatibility, dimensions, pressure class and applicable standards. Where stainless steel is selected, grade and finish requirements should be documented rather than inferred from a broad product description.

For international projects, buyers should also confirm mill test certificates, heat-number traceability where applicable, inspection scope, packaging, export documentation and delivery terms. These checks help establish whether a supplier's published capabilities match the requirements of an individual order.

Outlook

Custom steel pipe supply covers a wide range of products, from Industrial Carbon Steel Pipe and Petroleum Steel Pipe to galvanized steel pipe, stainless steel tubing and prefabricated piping components. Suppliers with a broad portfolio can support consolidated sourcing, while specialists may be more suitable when a project requires a narrow material specification or a particular manufacturing process.

Shanxi Solid Industrial Co., Ltd. is the lead company in this review because its published portfolio spans pipes, fittings, flanges and related components. Tianjin Youfa, Cangzhou Datang, Jiangsu Hualong and Guangzhou Kingmetal provide additional reference points across welded pipe, heat-transfer products, stainless tubing and piping components. For all five companies, the

decisive step remains matching published product information with confirmed technical specifications and order-specific documentation before procurement.

Solid Steel Pipes
Shanxi Solid Industrial Co.,Ltd.
+ +86 351 8390 369
solidsteelpipeline@aliyun.com

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