

Flotek Flowline

Engineering & Solution



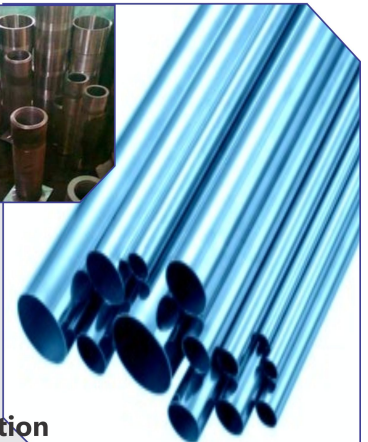
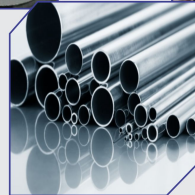
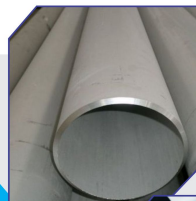
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Address:

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Khargate, Gujarat India BVN-364001

Maximum Tubing Solution
at one spot





Hydraulic & instrumentation tubes

Hydraulic tubes and instrumentation tubes in a comprehensive range of corrosion-resistant stainless steels and nickel alloys covering outside diameters from 3 to 50 mm (0.118 to 1.968 in).

Standard of Materials

ASTM A 213	ASTM A688 / A688M - 10	ASTM B829
ASTM 249	ASTM A803 / A803M - 10	ASTM B 668
ASTM 268	ASTM B677 - 05	B 167
ASTM 269	ASTM B444 - 06	B 165
ASTM A632	ASTM A789 / A789M - 10	B 161
ASTM A 789	ASTM B444 - 06	B 163



Boiler & Pressure Tubing

The tube dimensions range from 10.2mm to 139.7 mm, from 21.3 mm diameter and the wall thickness from 2.3mm and they supplied as hot rolled.

Grades for Boiler & Pressure Tubing:

CARBON STEEL SA178	SA213-T2	SA213-T22
CARBON-MOLYB DENUM STEELS Sa209	SA213-T12	SA213-T9
	SA213-T11	SA213-T304



Heat exchanger tube



Heat exchanger tube in an extensive range of austenitic stainless steels, duplex stainless steels, nickel alloys, titanium and zirconium, suitable for all types of heat exchangers, such as seawater coolers, condensers, evaporators, heaters and reheaters.

Seamless Intermediate Alloy Steel Tubes for Refinery Service Ferritic & austenitic steel boiler, superheater & Heat Exchanger Formerly A199 & A200 Covers seamless ferritic and austenitic steel boiler superheater, and heat Exchanger tubes.

Grades T2, T5, T11, T12, T22

Size 1/8" to 5" (Thickness 0.4 to 12.7 mm)

Welded Austenitic Steel Boiler Superheater and Heat Exchange Tubes U Bending available Grades TP 304/304L, TP 316/316L, TP 321, TP 347 Grades TP304H, TP309H, TP309Hcb, TP310H, TP310Hcb, TP316H, TP321H, TP347H, and TP348H are modifications of Grades TP304, TP309S, TP309Cb, TP310S, TP310Cb, TP316, TP321, TP347, and TP348



Standard Specification for Copper and Copper-Alloy Seamless Condenser, evaporators, heat exchanger Tubes and Ferrule Stock Grades C44300, C44400, C68700, 70600, 71500

Hydraulic Fluid Line



Hydraulic Fluid Line Tubing used in high pressure hydraulic systems and heavy equipment as well as the hydraulic flowline pipes are used for hydrocarbon transportation in various environments.

The tubes are primarily made to below standards for the respective fields

Seamless DIN 2391 EN 10305 ST 37.4 SAE J524/ A 179

Hydrocarbon Flowline Tubing is in the grades API 5L of quality PSL 1 PSL2, associated casting tubing API 5CT.

We can provide casting couplings, hammer union flowline equipment like Tees Elbow Manifolds.

Application

Hydraulic Components
Steering Components
Transmission Components
Off-Highway Vehicles
Agriculture & heavy equipment
Coupling and fittings



Inconel tube

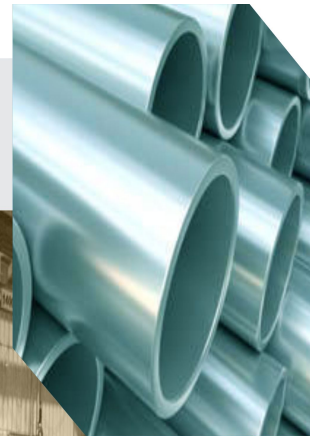
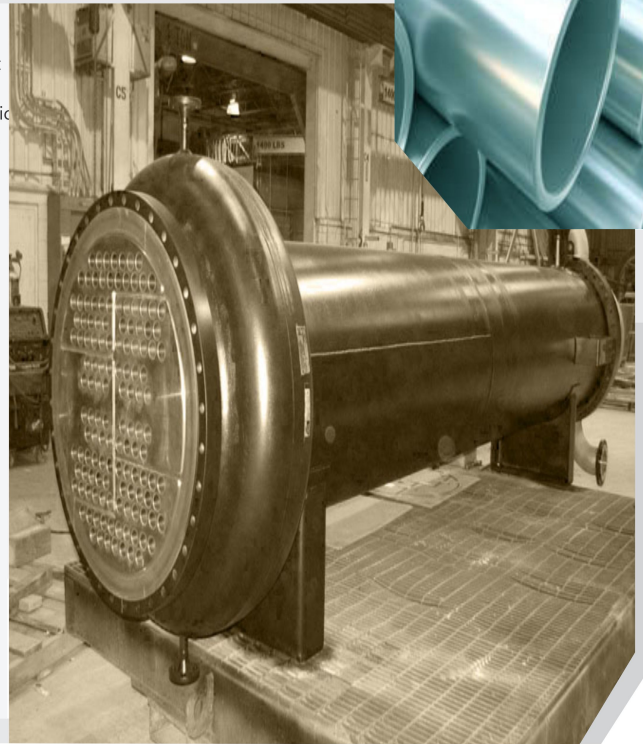


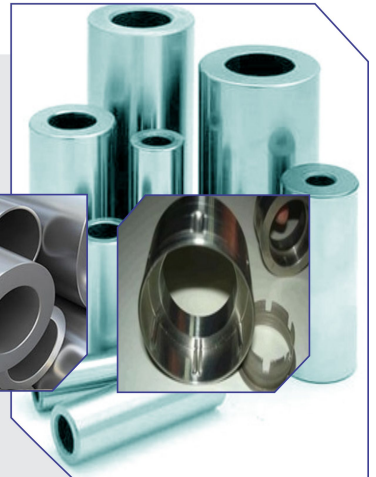
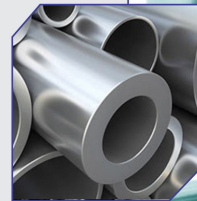
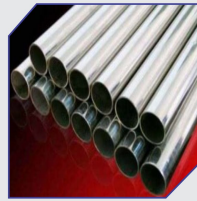
Inconel is often encountered in extreme environments. It is common in gas turbine blades, seals, and combustors, as well as turbocharger rotors and seals, electric submersible well pump motor shafts, high temperature fasteners, chemical processing and pressure vessels, heat exchanger tubing, steam generators in nuclear pressurized water reactors, natural gas processing with contaminants such as H₂S and CO₂, firearm sound suppressor blast baffles, and Formula One, NASCAR and APR, LLC exhaust systems.



Inconel alloys are oxidation and corrosion-resistant materials well suited for service in extreme environments subjected to high pressure and kinetic energy. When heated, Inconel forms a thick, stable, passivating oxide layer protecting the surface from further attack. Inconel retains strength over a wide temperature range, attractive for high temperature applications where aluminum and steel would succumb to creep as a result of thermally-induced crystal vacancies

- Inconel 600: Solid solution strengthened
- Inconel 625: Acid resistant, good weldability.
- Inconel 690: Low cobalt content for nuclear applications, and low resistivity[23]
- Inconel 718: Gamma double prime strengthened with good weldability
- Inconel 751: Increased aluminum content for improved rupture strength in the 1600 °F.
- Inconel 792: Increased aluminum content for improved high temperature corrosion properties,





Monel

Monel is used to make drill bits for oil wells. Monel's wonderful properties are not only used in engineering applications but also in chemical industry.

Monel has 70% nickel, 25-30% Cu and other alloying elements. Some important alloys of this series include monel 400, monel 401, monel 404, monel K-500, monel R-405.

Monel is used for marine engineering, Chemical and hydrocarbon processing equipment, valves, pumps, shafts, fittings, fasteners and heat exchangers. It also used as part of metal instruments and frames of eyeglasses.



Tube Tools

Copper & Cupro Nickel 8-10 %
Steel, Carbon Steel & Admiralty Brass 7-8 %
Stainless Steel & Titanium 4-5 %.

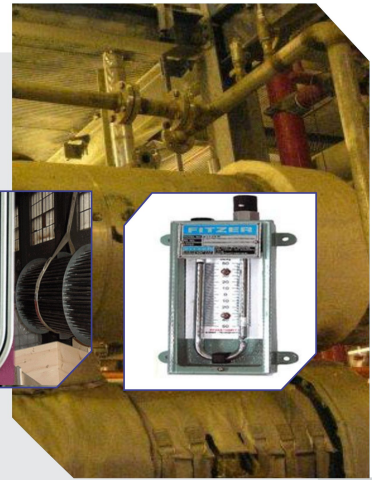
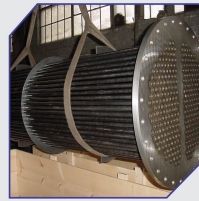
Tube Tools can be categorized into function by application:

Tube Cleaners-tube cleaning demands vary widely by application Shell and tube heat exchangers and chillers.

Tube Testers- Use air pressure or vacuum to test for leaks, cracks, and material failures in a tube.

Tube Removers-One or a combination of the three below methods is used to remove a tube from a boiler or chiller vessel

Tube Cutters- Tube Cutters are used to internally cut from the inside to the outside of the tube behind the tube sheet on one end



U-Tube

U-Tube Heat Exchangers for water to water or steam to Water HVAC, Plumbing or Process application. NPT or flanged heads, Diamondback double wall construction to prevent cross-contamination.

Forming of U Tubes for Heat Exchangers, Condensers, Pre Heaters & Others.

Heat treatment of Bending Area(After Confirmation and consultaion):

Dye Penetrant Testing protection for shipment

Clear Passage Proceures Oraganised Packings