

FITTINGS

Elbows

Specification

A pipe elbow fitting cover is described which can be manually folded from a first open trough-like shape to a second shape generally corresponding to the shape of the elbow to be covered and which incorporates means to maintain that second shape without the application of any external force. The means to maintain the second position comprises the creation of depressions on the inner side of the elbow curve and centered on the center diagonal, tapering toward the ends of the elbow curve.



Grades

Seamless & welded Carbon Steel & Stainless steel (WPB, WP1, WP11, WP22, WP5, WP9, WP91, 304L, 316L, 317L, 321H, 347H, S31254 (6Mo), A815UNS S31803, A815UNS S32760 & UNS S32750, Copper Alloy (70600), Titanium (ASTM B337), Aluminium (ASTM B361), Nickel Alloy N04400 (MONEL) & N06625 (INCONEL)

Applications

- D: 1/2inch ~ 48inch, Over 50", conical type
- W.T: Sch.5 ~ Sch.160, XXS

Tees

Specification

A tee is amongst the most common pipe fittings and is available with all female thread sockets, all solvent weld sockets, or with opposed solvent weld sockets and a side outlet with female threads. This is a T-shaped device which has three openings that act as an outlet for the pipe. A tee is used for connecting pipes of different diameters or for changing the direction of pipe runs. A common type of pipe tee is the STRAIGHT tee, which has a straight-through portion and a 90-degree takeoff on one side. All three openings of the straight tee are of the same size. Tees (branch outlets) are manufactured as “Equal” or “Reducing”. Equal tees are exactly that, all three ends are of the same size. Reducing tees come with a combination of different outlet sizes. They are used for branch connections in irrigation systems. Typically, standard Tees are belled on all ends but any combination of belled or plain can be produced. There are many different combinations of sizes. Unusual combinations of sizes can also be achieved using component parts of tees, reducing tees and “street” reducers.



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Applications

Elbow fitting is used in Serving industries like pharmaceutical, gas fitting, refrigeration, pneumatic, tube fittings are one of the most important industrial fittings, Beer, food, dairy, beverage, cosmetic, chemical industry.

Reducers

Specification

A reducer normally refers to a fitting that is used to reduce the diameter of the suction piping to fit the pump intake. It is thus used to join two pipes of different sizes. Reducer is available in both eccentric and concentric designs. Concentric or eccentric reducers are used to properly reduce into and out of circulating pumps. The various advantages include keeping big pipes and small pipes together as well as reducing noise and vibration at the same time. Some of the important parameters used to select a concentric reducer are pressure/vacuum, max temp compression, approximate force, elongation etc. They are manufactured in various alloys, schedules, sizes and flange configurations. Concentric reducers frequently trap air when used at the suction of the pump. An Eccentric reducer, also called a Bell reducer, has two female (inside) threads of different sizes with centers so designed that when they are joined, the two pieces of pipe are not in line with each other, but they can be installed so as to provide optimum drainage of the line. An eccentric pipe reducer fitting is designed with the smaller outlet off center to the larger end, allowing it to align with only one side of the inlet. The high quality reducer fittings are designed to be welded with ease and offer superior strength and leak resistance. Eccentric pipe reducer must be installed with straight side up to prevent trapping air at the pump suction. They are designed to allow simple connection of different sized pipes. These can be used as pipe reducers flexible connectors and vibration eliminators.



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Applications

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Sebastian Rogoveanu
President - Petroleum United Group London



Adresse: 100 Gloucester Road,
Avonmouth Bristol bs11 9AQ,
United Kingdom
Phone: 0044-117-949.77.00
Fax: 0030-210-321.98.02,
0044-117-976.09.97
Mobile: 0030-697-442.90.70,
0044-780-481.95.25
Email: office@petroleumunitedgroup.co.uk
Web: www.petroleumunitedgroup.co.