

Types and subtypes

- **Bend:** a fitting used to change the flow direction in piping. Variants include long sweep bends, short bends, and return bends.
- **Elbow:** a type of bend fitting. Variants include crossover, Tee with crossover branch, Elbow 90° equal or reduced, Elbow 45° equal or reduced.
- **Tee:** a T-shaped fitting with two outlets at 90° to the connection to the main line. Equal tees have all nominal diameters equal, whereas reduced tees 2 different nominal diameters. Other variants include equal or reducing pitcher tee, twin elbow, 45° tee, Y-shaped tee, or side outlet elbow and tee.
- **Cross:** fitting with four equal openings at 90° each. Can be equal or reducing.
- **Bush:** a pipe fitting which is threaded on both the inside and the outside so that it can be used to connect two pipes (or other fittings) of different sizes. A reducing bush is one type of bush.
- **Nipple:** a nipple is a short length of pipe with male pipe threads at both ends for connecting other fittings. Types include hexagon nipple: equal, reducing, right left threaded.
- **Socket:** A socket is a fitting that simply goes over the end of a pipe. The spigot end of a fitting can be inserted into a socket. Types include reducing socket reducing, eccentric reducing socket, and right left thread socket.
- **Plug:** fittings used to close the ends of pipe systems. Types include beaded plug, plain plug, hexagonal/square inside plug, and cap.
- **Union:** a type of fitting equipment designed in such a way to unite two pipes which can be detached without causing any deformation to the pipes. Types include union flat seat (to be used with gasket), union taper seat, union elbow with flat or taper seat, and backnut.

Size of the different connections (inch):

$\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3, 4, 5 and 6

(5 & 6 are available with some manufacturers but are not standard).

Codification and Description:

1	2-4	5-7	8	9	10-12	13-15
Group	Family	Category		Description		
Water (W)	"Network Coupling" (NEC) Contains all pipes fittings.	Material MCI=Malleable Cast iron	Jointing System T=Threaded	Surface G=Galvanized B=Black Iron	Type of Fitting : 3 digits according to the following list	Fitting Size A = ⅛" B = ¼" C = ⅜" D = ½" E = ¾" F = 1" G = 1¼" H = 1½" I = 2" J = 2½" K = 3" L = 3½" M = 4" N = 5" O = 6"
					001 Long Sweep Bend 90° F/M 002 Long Sweep Bend 90° F/F 003 Long Sweep Bend 90° M/M 011 Short Bend 90° F/M 012 Short Bend 90° F/F 040 Long Sweep Bend 45° F/M 041 Long Sweep Bend 45° F/F 050 Bend 30° F/M 051 Bend 30° F/F 053 Bend 15° F/M 054 Bend 15° F/F 060 Return Bend F/F 085 Crossover F/F 087 Tee with Crossover Branch F/F 090 Elbow 90° Equal or Reducing F/F 092 Elbow 90° Equal F/M or Reducing (F/M or M/F) 094 Elbow 90° M/M 095 Union Elbow, Flat Seat F/F 096 Union Elbow, Taper Seat F/F 097 Union Elbow, Flat Seat F/M 098 Union Elbow, Taper Seat F/M 120 Elbow 45° F/F 121 Elbow 45° F/M 130 Tee F/F/F 131 Pitcher Tee F/F/F 132 Twin Elbow Equal F/F/F 165 Tee 45° 180 Cross F 220 Y piece 221 Side Outlet Elbow F/F/F 223 Side Outlet Tee F/F/F 240 Socket Reducing F/F 241 Reducing Bush M/F 245 Hexagon Nipple Reducing M/M 246 Socket Reducing F/M 260 Socket Eccentric Reducing F/F 270 Socket F/F 271 Socket Right Left Thread F/F 280 Hexagon Nipple M/M 281 Hexagon Nipple Right Left Thread M/M 290 Plug Beaded M 291 Plug Plain M 300 Cap F 310 Backnut F 330 Union Flat Seat F/F 331 Union Flat Seat F/M 340 Union Taper Seat F/F 341 Union Taper Seat F/M 342 Union Spherical Seat/Taper Seat Bronze to Iron F/F 345 Union Spherical Seat Angular Dev. 6° F/F 529 Socket Internal External Thread M/F 596 Plug Hexagonal/Square Inside M	