Pipe Fittings

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Class 150
These cast fittings are used in low-pressure pipe systems.

**Materials:** 304 Stainless Steel, 316 Stainless Steel, Aluminum

Class 150 Lightweight
These cast fittings are used in low-pressure pipe systems. In addition, they have thinner walls and weigh less than standard class 150 fittings while retaining durability.

**Materials:** 304 Stainless Steel, 316 Stainless Steel

Class 2000
These forged fittings are used in medium-low-pressure pipe systems.

**Materials:** 304 Stainless Steel, 316 Stainless Steel, Black-Coated Steel

Class 3000
These forged fittings are used in medium-pressure pipe systems.

**Materials:** 304 Stainless Steel, 316 Stainless Steel, Black-Coated Steel

Class 6000
These forged fittings are used in high-pressure pipe systems.

**Materials:** 304 Stainless Steel, 316 Stainless Steel, Black-Coated Steel

Instrumentation
These fittings are used in extreme-pressure pipe systems and made to tight tolerance.

**Materials:** 304 Stainless Steel, 316 Stainless Steel, Galvanized Steel, Brass, Nickel-Plated Brass

**Pressure Classes**

-NPT
Tapered threads with a 60° angle and flat peaks and valleys
Defined by ANSI/ASME B1.20.1
Requires thread sealant

-BSPT
Tapered threads with a 55° angle and rounded peaks and valleys
Defined by ISO 71
Requires thread sealant

-BSPP
Parallel threads with a 55° angle and rounded peaks and valleys
Defined by ISO 228.1
Does not require thread sealant

**Threads**

-304 Stainless Steel
Very good corrosion resistance.

-316 Stainless Steel
Excellent corrosion resistance.

-Aluminum
Lightweight and good strength.

-Black-Coated Steel
Excellent strength.

-Galvanized Steel
Excellent strength. Zinc coating enhances corrosion resistance.

-Brass
Best for use with hot and cold water.

-Nickel-Plated Brass
Best for use with hot and cold water. Nickel plating enhances corrosion resistance.

-Thread Sealant
All male threads are available with a pre-applied PTFE thread sealant to protect against leaks and save time in the field.
Pipe Fittings & Nipples

Used in pipe systems to connect straight sections of pipe or tube, adapt to different sizes or shapes, and regulate flow.

**STRAIGHTS**

- Coupling
- Reducing Coupling
- Half Coupling
- Reducing Hex Bushing
- Hex Nipple
- Reducing Hex Nipple

**TEES**

- Tee
- Reducing Tee
- Elbow
- Reducing Elbow
- 45° Elbow
- Street Elbow

**ELBOWS**

**CAPS AND PLUGS**

- Cap
- Hex Socket Plug
- Hex Head Plug
- Square Head Plug

**LOKNUT**

**NIPPLES**

- Close Nipple
- Nipple Threaded on Both Ends
- Nipple Threaded on One End

**FITTINGS**

- Class 150
- Class 2000
- Class 3000
- Class 6000

**NIPPLES**

- Schedule 40
- Schedule 80

**THREADS**

- NPT/BSPT/BSPP

**Key**

- **MATERIALS**
  - **304 Stainless Steel**
    - Very good corrosion resistance.
  - **316 Stainless Steel**
    - Excellent corrosion resistance.
  - **Black-Coated Steel**
    - Excellent strength.
  - **Al**
    - Aluminium
    - Light weight and good strength.

All male threads are available with a pre-applied PTFE thread sealant to protect against leaks and save time in the field.
Instrumentation Pipe Fittings

Used in pipe systems that require extreme working pressures and tight tolerances.

**CAPS AND PLUGS**
- Cap
- Hex Socket Plug
- Hex Head Plug
- Female Cross

**CROSSES**
All male threads are available with a pre-applied PTFE thread sealant to protect against leaks and save time in the field.

**STRAIGHTS**
- Hex Coupling
- Reducing Hex Coupling
- Close Nipple
- Hex Nipple
- Reducing Hex Nipple
- Adapter
- Reducing Adapter
- Reducing Hex Bushing

**ELBOWS**
- Female Elbow
- Male Elbow
- Street Elbow

**TEES**
- Female Tee
- Male Tee
- Branch Tee
- Run Tee

**MATERIALS**
- **304 Stainless Steel**
  Very good corrosion resistance.
- **316 Stainless Steel**
  Excellent corrosion resistance.
- **Galvanized Steel**
  Excellent strength. Zinc coating enhances corrosion resistance.
- **Brass**
  Best for use with hot and cold water.
- **Nickel-Plated Brass**
  Best for use with hot and cold water. Nickel plating enhances corrosion resistance.

**THREADS**
NPT/BSPT/BSPP
Pipe Flanges

Used in pipe systems to provide increased support for strength, block off a pipeline, or allow for attachment of more items.

**Available in the Following Pressure Classes:** 150, 300, 400, 600, 900, 1500 and 2500

**Materials**
- 304 Stainless Steel
  - Very good corrosion resistance.
- 316 Stainless Steel
  - Excellent corrosion resistance.
- Black-Coated Steel
  - Excellent strength.

**Threads**
- NPT/BSPT
Valves
Used in pipe systems to regulate, direct or control the flow of fluid.

### Standard Port Ball Valve
- **No. of Pieces**: 1
- **Pressure**: 1000 psi, 3000 psi

### Full Port Ball Valve
- **No. of Pieces**: 2, 3
- **Pressure**: 1000 psi, 2000 psi

### Materials
- **304 Stainless Steel**
  - Very good corrosion resistance.
- **316 Stainless Steel**
  - Excellent corrosion resistance.

### Threads
- **NPT/BSPT**