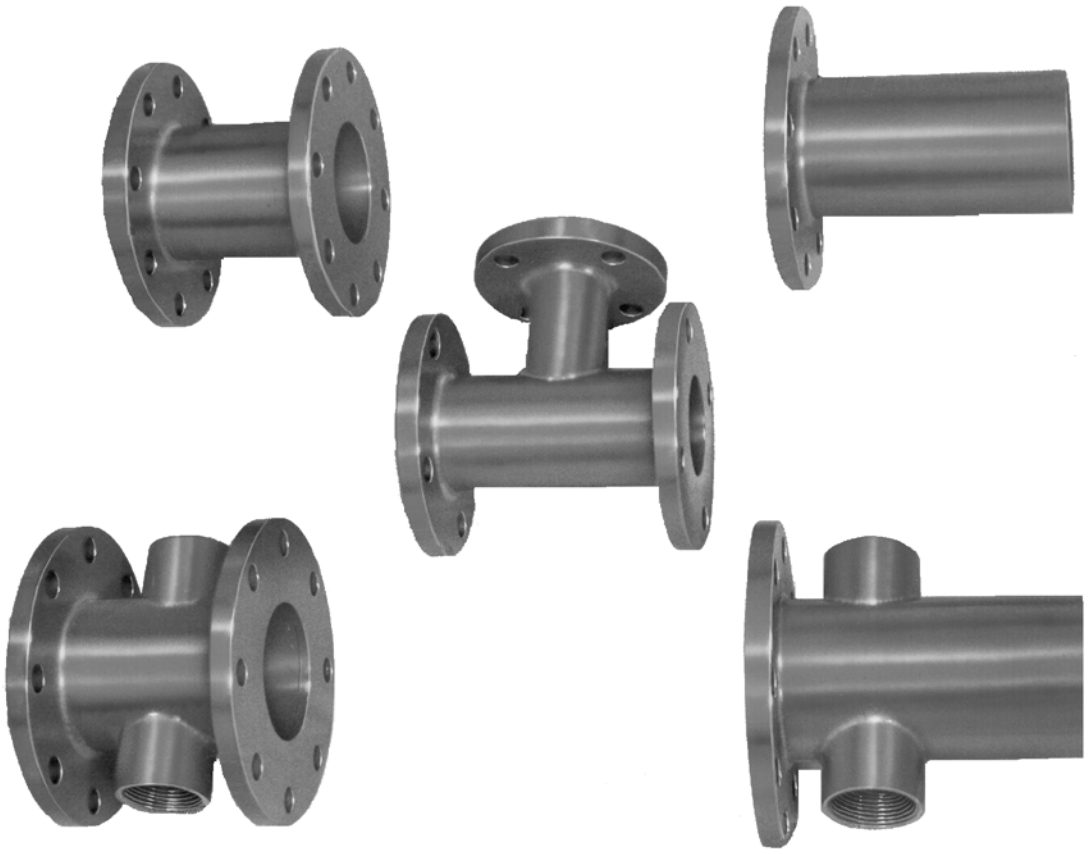
# JCM Fabricated Spools and Bypass Tees

JCM Fabricated Spools, Meter Test Spools and Tees are available in many lengths and configurations to meet specific installation requirements. Short laying lengths and precise dimensions make these fittings extremely desirable in vault applications. These fusion epoxy coated steel fittings eliminate stress cracks common to iron fittings yet provide excellent corrosion resistance for use in underground vaults.



## JCM Fabricated Carbon Steel Spools - Typical Specification

Bypass Tee and Test Spools shall be manufactured to AWWA C-200 and have machine tolerances on laying length, outlet and flange alignment. Fittings shall be fusion epoxy coated, minimum 12 mils on external surfaces, minimum 12 mils on internal, dry film thickness in accordance with AWWA C-213 Standard. Fabricated Spools Expansion Joint shall be ANSI/NSF Standard 61, Annex G and ANSI/AWWA 372 Certified.

JCM Spools are available fabricated of 304 stainless steel or 316 stainless steel

## JCM Fabricated Spools - Material Specification

**FLANGES:** AWWA C207 Class, D ANSI 150 lb. drilling. Optional Stainless Steel 304 or 316. Other flanges available upon request.

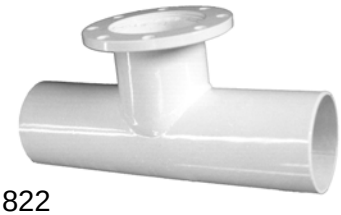
**BODY:** Steel Pipe or Tubing. Optional Stainless Steel 304 or 316

**FINISH:** Heavy coat of corrosion resistant shop coat primer.Fusion Applied Epoxy Coating (per ANSI/AWWA C-213). Other finishes available upon request.

NSF Certified to NSF/ANSI 61

# JCM Fabricated Spools and Bypass Tees

820



822

823

## 820 Fabricated Plain End Tee
## 822 Fabricated Flanged x Plain End Tee
## 823 Bypass Tee (Flg x Flg x Flg)

Sizes 3” and Larger, Available size on size and reducing

Custom fabricated tees for cutting in services, replacing existing piping and for installing bypasses. The ability to meet exact length requirements, epoxy coated for extra corrosion resistance and quick shipment make these tee’s real problem solvers.

**How To Order**

1. Determine Nominal Pipe and Flange Size
2. Determine Outlet Tee/ Flange Size
3. Determine Exact Laying Length Requirements

Example: Flange x Flange Bypass Tee
6” Nominal Run with 4” Flanged Outlet, 10” in Length
Part Number: 823-6 x 6 x 4 x 10

831

832

## 831 Flange x Flange Spool with Test Outlets
## 832 Flange x Flange Spool without Test Outlets

Sizes 3” and Larger, Available size on size and reducing
Ideal for installing new meters and equipment where the laying length of the new equipment is shorter than the equipment being replaced. These flanged spools can make up the difference and add test outlets if necessary. Custom fabrication allows exact length requirements to be met.

**How To Order**

1. Determine Nominal Pipe and Flange Size
2. Determine Size and Quantity of Test Outlets (for 831)
3. Determine Exact Laying Length Requirements - minimum length available:
   Size on Size: 3” nominal size - 5-3/4”, 4” - 12” nominal size - 6-3/4”

Example: 6” Nominal run with two (2) 1-3/4” Test Outlets, 10” in Length
831 Part Number: 831-6 x 6 x 1-3/4 x 10 with two (2) Test Outlets
832 Part Number: 832-6 x 6 x 10

833

834

## 833 Flange x Plain End Spool with Test Outlets
## 834 Flange x Plain End Spool without Test Outlets

Sizes 3” and Larger, Available size on size and reducing
Ideal for use on installations requiring field fit up. Plain end accommodates a flexible coupling for easy adjustment.

**How To Order**

1. Determine Nominal Pipe and Flange Size
2. Determine Size and Quantity of Test Outlets (for 833)
3. Determine Exact Laying Length Requirements - minimum length available:
   Size on Size: 3” nominal size - 8-3/4”, 4” - 12” nominal size - 9-3/4”

Example: 6” Nominal run with two (2) 1-3/4” Test Outlets, 10” in Length
833 Part Number: 833-6 x 6 x 1-3/4 x 10 with two (2) Test Outlets
834 Part Number: 834-6 x 6 x 10