

Section J

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Ford Couplings For Pipe And Tubing



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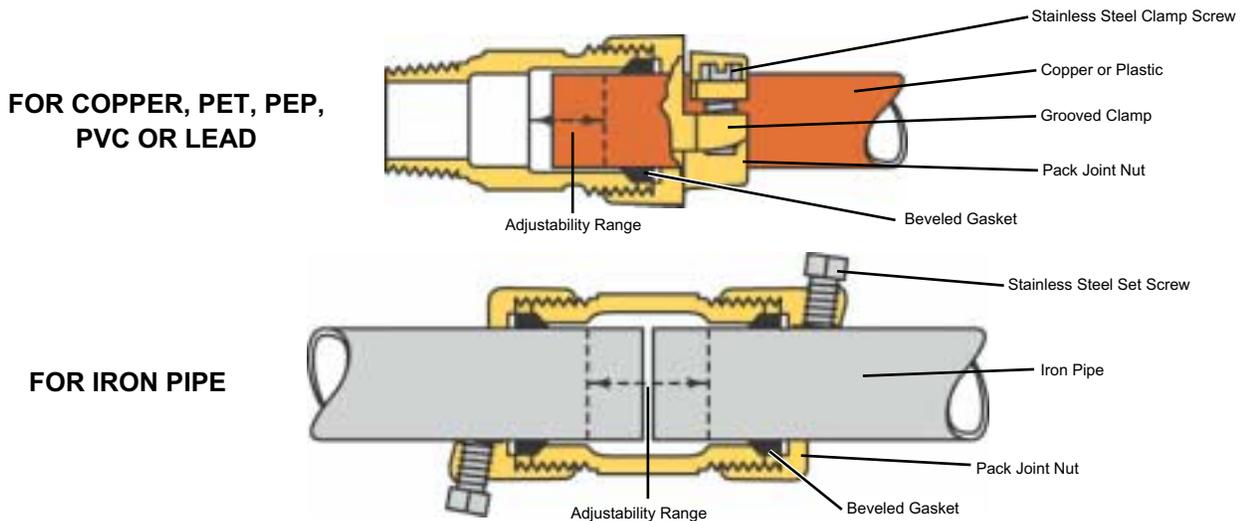
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Pack Joint Couplings

In a compression coupling, too much can hurt as much as too little. Excessive mechanical pullout resistance, for example, could mean ripping the Corporation Stop from the main, if a backhoe caught the service line. Ford Pack Joints offer a balanced design on every type of pipe. Stab the pipe into the fitting, tighten the Buna-N gasketed nut for a water-tight seal, and tighten the clamp screw. You get all the pullout resistance you need for the heaviest backfill loads-but not more than you need.

Pack Joint Connections - How the Pack Joint Works

1. Tightening the large Pack Joint Nut compresses a Buna-N beveled gasket to make it water-tight around the pipe or tubing.
2. For copper or plastic tubing and pipe there is a locking device, a split clamp, which is drawn down securely on the tubing or pipe by tightening a stainless steel screw. Machined grooves in the clamp provide positive gripping action.
3. For iron pipe a stainless steel set screw on the Pack Joint bites into and locks onto hold the pipe.



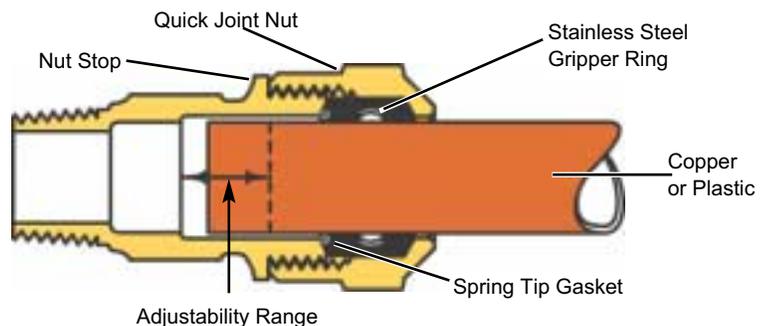
Quick Joint Couplings

The new Ford Quick Joint offers traditional Ford features of quality and reliability. This easy to use fitting is available on a wide variety of Ford products. Just stab the copper or plastic tubing into the fitting and tighten down the compression nut to the stop. That's it! The Quick Joint provides excellent pullout resistance and superior hydraulic blow-off protection. Note: The Ford Quick Joint Nut IS NOT interchangeable with other Compression fittings.

Quick Joint Connections - How the Quick Joint Works

1. A stainless steel gripper ring, molded into a large gasket, is drawn down when the nut is tightened, providing the hydraulic seal and mechanical restraint.
2. A transparent fluorocarbon coating covers the interior of the nut, providing smooth torque transfer. This coating eliminates "back drive", reduces tightening torque and minimizes gasket distortion.
3. A positive, external and visual stop ensures correct installation, providing maximum gasket seal.

The Ford Quick Joint is designed and manufactured for copper or for copper tube size SDR 9 Polyethylene plastic with a solid tubular metal insert.



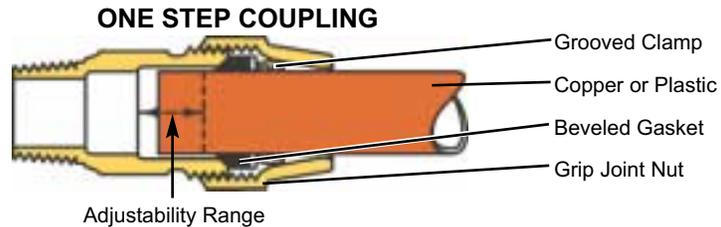
Grip Joint Couplings

Grip Joint Connections - How the Grip Joint Works

1. Tightening the Grip Joint Nut compresses a Buna-N beveled gasket to form a water-tight seal around the pipe or tubing.
2. The bronze split ring is drawn down when the nut is tightened, providing the mechanical lock on the pipe.
3. Grip Joint Couplings are to be used only with 3/4" through 2" copper or PET, and 3/4" & 1" PEP.



Ford Grip Joint



Lead-Pak Couplings

Recognizing the potential hazard of lead service lines, the Environmental Protection Agency has a goal of eliminating lead lines. Water utilities throughout the country are trying to “get the lead out.” As buried lead services are unearthed because of construction or line failure, an opportunity exists to replace lead with a different type of material. By using the Lead-Pak you can attach copper, iron, plastic or PVC to an existing lead service line.

Lead-Pak Connections - How the Lead-Pak Works

1. Tightening the large Lead Pack Nut compresses a Buna-N beveled gasket to make it water-tight around the pipe or tubing.
2. There is a locking device, a split clamp, which is drawn down securely on the pipe by tightening a stainless steel screw.
3. Machined grooves in the clamp provide positive gripping action.
4. Lead-Pak couplings are available with a variety of adapter connections, including female iron pipe threads, male iron pipe threads, flared copper, and compression fittings for copper, plastic or PVC.



Ford Pack Joint

Code Marks for Ford Compression Coupling Nuts

CTS- Copper and PET

PEP- PE pipe

PVC- PVC pipe

S - Strong lead pipe

XS - Extra strong lead pipe

XXS- Double extra strong lead pipe

Types of Pipe and Tubing Explanation of Abbreviations

Copper Tube - CTS - Copper tubing is widely used as a service line and the **outside diameter** is closely held by manufacturers. The outside diameter of copper tubing has become a standard in the industry and is known as “copper tube size.”

Plastic Tubing - CTS - Flexible water service tubing in what is referred to as “copper tube size.” Plastic Tube refers to *any* plastic with the same **outside diameter** as corresponding sizes of copper tube. PET – Polyethylene tubing.

Plastic Pipe - PEP - Flexible water service pipe in what is referred to as “pipe size.” Plastic Pipe refers to *any* pipe having the same **inside diameter** as corresponding sizes of standard iron pipe. PEP – Polyethylene pipe.

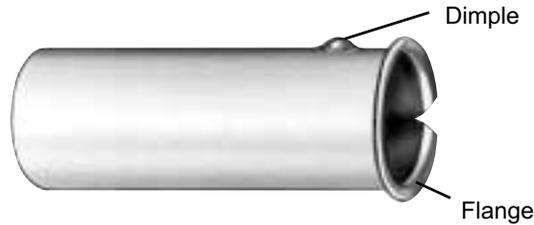
PVC Pipe - PVC - Polyvinyl Chloride rigid plastic pipe. PVC Pipe refers to polyvinyl chloride rigid plastic pipe having the same **outside diameter** as corresponding sizes of standard iron pipe.

Ford Pack Joints for PVC are recommended for use only with Schedule 40 and Schedule 80 PVC.

Lead Pipe - Lead pipe is controlled by the inside diameter. The outside diameter varies and is manufactured in three ranges; strong (or S), extra strong (or XS) and double extra strong (or XXS).

Accessories

Insert Stiffeners



Ford Insert Stiffeners are solid 304 tubular stainless steel, dimpled and flanged to retain placement within the service line

Before using Ford Insert Stiffeners, be sure inside tubing or pipe dimensions correspond to the table below.

Ford recommends using Insert Stiffeners with plastic pipe or tubing.

Note: Consult pipe or tubing manufacturer for specific installation requirements.

50 SERIES FOR POLYETHYLENE TUBING (PET)

CATALOG NUMBER	NOMINAL SIZE	PET ID	APPROX. WT. LBS.*	STD. PKG. QTY.
Insert-51	3/4"	.681	4.8	200
Insert-52	1"	.875	4.2	100
**Insert-53	1-1/4"	1.069	2.4	50
Insert-54	1-1/2"	1.263	3.1	25
Insert-55	2"	1.653	6.0	40
◆Insert-54-Q	1-1/2"	1.263	2.6	30
◆Insert-55-Q	2"	1.633	5.8	50

70 SERIES FOR POLYETHYLENE PIPE (PEP)

CATALOG NUMBER	NOMINAL SIZE	PEP ID	APPROX. WT. LBS.*	STD. PKG. QTY.
Insert-71	3/4"	.824	4.4	100
**Insert-72	1"	1.049	2.9	50
Insert-73	1-1/4"	1.380	5.8	60
Insert-74	1-1/2"	1.610	5.5	45
Insert-75	2"	2.067	9.7	50
◆Insert-72-Q	1"	1.049	2.9	50

* Weights for Insert Stiffeners are for standard package quantities.

** Insert-53 and Insert-72 fit both 1-1/4" Plastic Tubing (1.069 I.D.) and 1" Plastic Pipe (1.049 I.D.)

◆ These Inserts are specifically designed and required for Quick Joint Fittings. They are not interchangeable for use with any other types of compression fittings.

DIMENSION COMPARISON TABLE FOR PLASTIC, COPPER AND GALVANIZED IRON

PIPE OR TUBING TYPE	SDR	PSI	CONTROL	OD						ID						
				1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	
Copper	-	-	OD	.625	.875	1.125	1.375	1.625	2.125	-	-	-	-	-	-	
PET	PE3408	9	200	OD	.625	.875	1.125	1.375	1.625	2.125	-	.681	.875	1.069	1.263	1.653
PEP	PE3408	7	200	ID	-	1.060	1.349	1.774	2.070	2.657	-	.824	1.049	1.380	1.610	2.067
PVC	-	-	OD	.840	1.050	1.315	1.660	1.900	2.375	-	-	-	-	-	-	
Galv IP	-	-	OD	.840	1.050	1.315	1.660	1.900	2.375	-	-	-	-	-	-	

Ford Pack Joints for PVC are recommended for use only with Schedule 40 and Schedule 80 PVC.

Copper Rounding Tool

When copper tubing is used, Ford recommends that it be checked to see if it is perfectly round. Compression couplings do not perform properly if the tubing is out of round. Unrounded copper can result in a marginal gasket seal that may eventually permit leakage. The Copper Rounding Tool forms the copper tubing for a proper fit.



CATALOG NUMBER	TUBE SIZE	APPROX. WT. LBS.
CRT-3	3/4"	.7
CRT-4	1"	1.4
CRT-5	1-1/4"	2.3
CRT-6	1-1/2"	3.8
CRT-7	2"	8.0

Pack Joint Couplings

Pack Joint for Copper or Plastic Tubing

For Copper or Plastic Tubing (CTS)
Both Ends



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	P.J. FOR CTS	P.J. FOR CTS		
STRAIGHT COUPLINGS				
◆ C44-11	1/2"	1/2"	.7	20
C44-12	1/2"	5/8"	.7	18
◆ C44-13	1/2"	3/4"	.8	16
C44-14	1/2"	1"	.9	16
◆ C44-22	5/8"	5/8"	1.0	14
◆ C44-23	5/8"	3/4"	1.0	15
◆ C44-33	3/4"	3/4"	.9	14
◆ C44-34	3/4"	1"	1.0	12
C44-35	3/4"	1-1/4"	-	-
◆ C44-44	1"	1"	1.1	10
C44-45	1"	1-1/4"	1.5	8
C44-46	1"	1-1/2"	2.2	4
C44-55	1-1/4"	1-1/4"	2.1	4
C44-56	1-1/4"	1-1/2"	2.8	6
◆ C44-66	1-1/2"	1-1/2"	3.0	8
C44-67	1-1/2"	2"	3.5	2
◆ C44-77	2"	2"	4.6	6
C44-88	2-1/2"	2-1/2"	7.2	3
ELL COUPLINGS				
◆ L44-33	3/4"	3/4"	1.0	12
L44-34	3/4"	1"	1.1	10
◆ L44-44	1"	1"	1.3	6
L44-55	1-1/4"	1-1/4"	1.5	4
◆ L44-66	1-1/2"	1-1/2"	3.5	3
◆ L44-77	2"	2"	9.5	3

Grip Joint for CTS (3/4" – 2") is available. Add "-G" to the catalog number.
◆ *Quick Joint* is available. Add "-Q" to this catalog number.

For Male Iron Pipe Thread



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	MALE IRON PIPE	P.J. FOR CTS		
STRAIGHT COUPLINGS				
◆ C84-11	1/2"	1/2"	.5	35
C84-12	1/2"	5/8"	.5	25
C84-13	1/2"	3/4"	.6	25
C84-31	3/4"	1/2"	.5	30
C84-32	3/4"	5/8"	-	-
◆ C84-33	3/4"	3/4"	.6	24
◆ C84-34	3/4"	1"	.7	18
C84-42	1"	5/8"	-	-
◆ C84-43	1"	3/4"	.7	20
◆ C84-44	1"	1"	.8	14
C84-45	1"	1-1/4"	1.3	8
◆ C84-55	1-1/4"	1-1/4"	1.4	8
C84-56	1-1/4"	1-1/2"	1.8	6
◆ C84-66	1-1/2"	1-1/2"	2.0	5
C84-67	1-1/2"	2"	2.6	4
◆ C84-77	2"	2"	3.1	4
ELL COUPLINGS				
◆ L84-33	3/4"	3/4"	.8	16
L84-34	3/4"	1"	.8	14
◆ L84-44	1"	1"	1.1	10
L84-66	1-1/2"	1-1/2"	2.5	4
◆ L84-77	2"	2"	3.9	2
EIGHTH BEND COUPLINGS				
LA84-33	3/4"	3/4"	.6	15
LA84-44	1"	1"	.8	12

Grip Joint for CTS (3/4" – 2") is available. Add "-G" to the catalog number.
◆ *Quick Joint* is available. Add "-Q" to this catalog number.

Pack Joint Couplings

Pack Joint for Copper or Plastic Tubing

For Female Iron Pipe Thread



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FEMALE IRON PIPE	P.J. FOR CTS		
STRAIGHT COUPLINGS				
◆C14-11	1/2"	1/2"	.5	36
C14-12	1/2"	5/8"	-	-
C14-13	1/2"	3/4"	.5	25
C14-31	3/4"	1/2"	.6	25
◆C14-33	3/4"	3/4"	.6	25
◆C14-34	3/4"	1"	.7	18
C14-35	3/4"	1-1/4"	1.3	10
◆C14-43	1"	3/4"	.7	20
◆C14-44	1"	1"	.9	15
C14-45	1"	1-1/4"	1.2	10
C14-54	1-1/4"	1"	.9	12
C14-55	1-1/4"	1-1/4"	1.4	10
C14-56	1-1/4"	1-1/2"	1.7	8
◆C14-66	1-1/2"	1-1/2"	2.3	5
C14-67	1-1/2"	2"	2.7	4
C14-76	2"	1-1/2"	2.8	4
◆C14-77	2"	2"	2.9	3
C14-87	2-1/2"	2"	4.6	2
C14-88	2-1/2"	2-1/2"	5.2	2
ELL COUPLINGS				
◆L14-33	3/4"	3/4"	1.0	16
L14-43	1"	3/4"	0.9	-
◆L14-44	1"	1"	1.5	8
L14-54	1 1/4"	1"	1.3	8
L14-66	1 1/2"	1 1/2"	3.4	2
◆L14-77	2	2	6.7	-
EIGHTH BEND COUPLINGS				
LA14-33	3/4"	3/4"	.8	18
LA14-43	1"	3/4"	.7	18
LA14-44	1"	1"	1.3	-
LA14-54	1-1/4"	1"	1.1	-
LA14-76	2"	1-1/2"	2.8	4
LA14-87	2-1/2"	2"	5.2	2

Grip Joint for CTS (3/4" – 2") is available. Add "-G" to the catalog number.
 ◆ *Quick Joint* is available. Add "-Q" to this catalog number.

For Flare Copper



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FLARE COPPER	P.J. FOR CTS		
STRAIGHT COUPLINGS				
C24-13	1/2"	3/4"	.8	24
C24-33	3/4"	3/4"	1.0	14
C24-34	3/4"	1"	1.1	12
C24-44	1"	1"	1.6	10
C24-45	1"	1 1/4"	1.9	6
ELL COUPLINGS				
L24-33	3/4"	3/4"	1.1	14
L24-44	1"	1"	1.6	8

Grip Joint for CTS (3/4" – 2") is available. Add "-G" to the catalog number.

Pack Joint Couplings

Pack Joint for Copper or Plastic Tubing

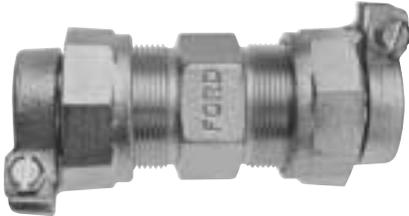
For Female Copper Thread
(replaces flare nut)



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FEMALE COP. THRD.	P.J. FOR CTS		
STRAIGHT COUPLINGS				
C04-23	5/8"	3/4"	.7	20
◆C04-33	3/4"	3/4"	.7	20
◆C04-34	3/4"	1"	.8	18
◆C04-43	1"	3/4"	1.0	14
◆C04-44	1"	1"	1.0	12
◆C04-54	1-1/4"	1"	1.0	10
C04-55	1-1/4"	1-1/4"	1.6	8
◆C04-66	1-1/2"	1-1/2"	2.5	4
◆C04-77	2"	2"	4.5	2
ELL COUPLINGS				
L04-33	3/4"	3/4"	.9	15
L04-34	3/4"	1"	.9	10
L04-44	1"	1"	1.2	8
L04-45	1"	1-1/4"	1.8	5
L04-66	1-1/2"	1-1/2"	3.5	2
L04-77	2"	2"	6.6	2
EIGHTH BEND COUPLINGS				
LA04-33	3/4"	3/4"	.8	18
LA04-44	1"	1"	1.1	10
LA04-66	1-1/2"	1-1/2"	2.6	4
LA04-77	2"	2"	4.3	2

Grip Joint for CTS (3/4" – 2") is available. Add "-G" to the catalog number.
◆ *Quick Joint* is available. Add "-Q" to this catalog number.

For Plastic Pipe (PEP)
Both Ends



Pack Joint for Polyethylene Pipe (PEP)

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	P.J. FOR PEP	P.J. FOR PEP		
STRAIGHT COUPLINGS				
◆C66-33	3/4"	3/4"	1.3	10
C66-34	3/4"	1"	1.6	8
◆C66-44	1"	1"	2.2	4
C66-55	1-1/4"	1-1/4"	2.7	4
C66-66-IDR7	1-1/2"	1-1/2"	4.6	6
C66-77-IDR7	2"	2"	6.8	6
ELL COUPLINGS				
L66-33	3/4"	3/4"	1.4	8
L66-44	1"	1"	2.3	4
L66-66-IDR7	1-1/2"	1-1/2"	5.0	6
L66-77-IDR7	2"	2"	8.2	3

Grip Joint for CTS (3/4" & 1") is available. Add "-G" to the catalog number.
◆ *Quick Joint* is available. Add "-Q" to this catalog number.

For Male Iron Pipe Thread



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	MALE IRON PIPE	P.J. FOR PEP		
STRAIGHT COUPLINGS				
◆C86-33	3/4"	3/4"	.8	18
C86-34	3/4"	1"	1.3	18
◆C86-44	1"	1"	1.4	12
C86-54	1-1/4"	1"	1.4	8
C86-55	1-1/4"	1-1/4"	1.6	5
C86-65	1-1/2"	1-1/4"	1.8	6
C86-66-IDR7	1-1/2"	1-1/2"	2.6	4
C86-77-IDR7	2"	2"	5.2	4
ELL COUPLINGS				
L86-33	3/4"	3/4"	.9	14
L86-44	1"	1"	1.5	8
L86-77-IDR7	2"	2"	4.9	2
EIGHTH BEND COUPLINGS				
LA86-44	1"	1"	1.5	8

Grip Joint for CTS (3/4" & 1") is available. Add "-G" to the catalog number.
◆ *Quick Joint* is available. Add "-Q" to this catalog number.

Pack Joint Couplings

Pack Joint for Polyethylene Pipe (PEP)

For Female Iron Pipe Thread



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FEMALE IRON PIPE	P.J. FOR PEP		
STRAIGHT COUPLINGS				
◆ C16-33	3/4"	3/4"	.7	15
C16-34	3/4"	1"	1.3	10
◆ C16-44	1"	1"	1.2	10
C16-54	1-1/4"	1"	1.4	10
C16-55	1-1/4"	1-1/4"	1.5	8
C16-56-IDR7	1-1/4"	1-1/2"	2.6	4
C16-65	1-1/2"	1-1/4"	2.1	6
C16-66-IDR7	1-1/2"	1-1/2"	2.7	3
C16-77-IDR7	2"	2"	4.7	2
ELL COUPLINGS				
L16-33	3/4"	3/4"	1.1	15
L16-44	1"	1"	2.0	5

Grip Joint for CTS (3/4" & 1") is available. Add "-G" to the catalog number.
 ◆ *Quick Joint* is available. Add "-Q" to this catalog number.

For Flare Copper



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FLARE COPPER	P.J. FOR PE PIPE		
STRAIGHT COUPLINGS				
C26-33	3/4"	3/4"	1.0	12
C26-34	3/4"	1"	1.7	8
C26-44	1"	1"	1.9	6

Grip Joint for PEP (3/4" & 1") is available. Add "-G" to the catalog number.

For Female Copper Thread
(replaces flare nut)



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FEMALE COP. THRD.	P.J. FOR PEP		
STRAIGHT COUPLINGS				
◆ C06-33	3/4"	3/4"	.8	18
C06-34	3/4"	1"	1.3	10
C06-43	1"	3/4"	1.1	12
◆ C06-44	1"	1"	1.4	10
C06-45	1"	1-1/4"	1.8	8
C06-55	1-1/4"	1-1/4"	1.9	6
C06-66-IDR7	1-1/2"	1-1/2"	3.0	3
C06-77-IDR7	2"	2"	5.2	2
ELL COUPLINGS				
L06-33	3/4"	3/4"	.9	12
L06-44	1"	1"	1.3	6
EIGHTH BEND COUPLINGS				
LA06-33	3/4"	3/4"	.9	14
LA06-44	1"	1"	1.7	6

Grip Joint for CTS (3/4" & 1") is available. Add "-G" to the catalog number.
 ◆ *Quick Joint* is available. Add "-Q" to this catalog number.

Pack Joint for Polyvinyl Chloride Pipe (PVC)

For PVC Pipe (PVC)
Both Ends



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	P.J. FOR PVC PIPE	P.J. FOR PVC PIPE		
STRAIGHT COUPLINGS				
C77-11	1/2"	1/2"	.9	14
C77-33	3/4"	3/4"	1.2	10
C77-34	3/4"	1"	1.7	8
C77-44	1"	1"	2.2	5
C77-55	1-1/4"	1-1/4"	2.9	4
C77-66	1-1/2"	1-1/2"	3.7	4
C77-77	2"	2"	5.7	3
ELL COUPLINGS				
L77-11	1/2"	1/2"	1.0	12
L77-33	3/4"	3/4"	1.5	6
L77-44	1"	1"	2.9	4
L77-77	2	2	-	-

Pack Joint Couplings

Pack Joint for Polyvinyl Chloride Pipe (PVC)

For Male Iron Pipe Thread



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	MALE IRON PIPE	P.J. FOR PVC PIPE		
STRAIGHT COUPLINGS				
C87-31	3/4"	1/2"	.7	-
C87-33	3/4"	3/4"	.8	18
C87-34	3/4"	1"	1.2	10
C87-43	1"	3/4"	.9	14
C87-44	1"	1"	1.3	14
C87-46	1"	1-1/2"	2.0	4
C87-54	1-1/4"	1"	1.5	-
C87-55	1-1/4"	1-1/4"	1.8	6
C87-65	1-1/2"	1-1/4"	2.0	5
C87-66	1-1/2"	1-1/2"	2.3	4
C87-77	2"	2"	3.5	3
ELL COUPLINGS				
L87-31	3/4"	1/2"	.8	12
L87-33	3/4"	3/4"	.9	14
L87-44	1"	1"	1.5	8

For Female Iron Pipe Thread



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FEMALE IRON PIPE	P.J. FOR PVC PIPE		
STRAIGHT COUPLINGS				
C17-31	3/4"	1/2"	.6	24
C17-33	3/4"	3/4"	.7	18
C17-34	3/4"	1"	1.3	10
C17-36	3/4"	1-1/2"	2.1	4
C17-44	1"	1"	1.2	10
C17-54	1-1/4"	1"	1.4	-
C17-55	1-1/4"	1-1/4"	1.7	8
C17-56	1-1/4"	1-1/2"	2.2	4
C17-66	1-1/2"	1-1/2"	2.5	4
C17-77	2"	2"	4.2	3
ELL COUPLINGS				
L17-31	3/4"	1/2"	1.0	16
L17-66	1-1/2"	1-1/2"	3.6	2

For Flare Copper



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FLARE COPPER	P.J. FOR PVC PIPE		
STRAIGHT COUPLINGS				
C27-31	3/4"	1/2"	1.0	14
C27-33	3/4"	3/4"	1.1	14
C27-34	3/4"	1"	2.0	10
C27-44	1"	1"	2.1	6
ELL COUPLINGS				
L27-31	3/4"	1/2"	1.1	14

For Female Copper Thread (replaces flare nut)



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FEMALE COP. THRD.	P.J. FOR PVC PIPE		
STRAIGHT COUPLINGS				
C07-11	1/2"	1/2"	.9	-
C07-13	1/2"	3/4"	1.7	-
C07-33	3/4"	3/4"	.8	15
C07-34	3/4"	1"	1.3	10
C07-44	1"	1"	1.4	10
C07-55	1-1/4"	1-1/4"	1.8	6
C07-66	1-1/2"	1-1/2"	2.8	4
C07-77	2"	2"	4.6	3

Pack Joint Couplings

Pack Joint for Iron Pipe

For Iron Pipe
Both Ends



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	P.J. FOR IRON PIPE	P.J. FOR IRON PIPE		
STRAIGHT COUPLINGS				
C55-11	1/2"	1/2"	.8	20
C55-13	1/2"	3/4"	.8	18
C55-33	3/4"	3/4"	.9	15
C55-34	3/4"	1"	1.2	10
C55-44	1"	1"	1.7	6
C55-55	1-1/4"	1-1/4"	2.2	4
C55-66	1-1/2"	1-1/2"	3.0	4
C55-77	2"	2"	4.1	2
ELL COUPLINGS				
L55-11	1/2"	1/2"	2.7	12
L55-33	3/4"	3/4"	1.1	12

For Male Iron Pipe Thread



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	MALE IRON PIPE	P.J. FOR IRON PIPE		
STRAIGHT COUPLINGS				
C85-11	1/2"	1/2"	.5	30
C85-31	3/4"	1/2"	.5	25
C85-33	3/4"	3/4"	.7	20
C85-34	3/4"	1"	1.0	14
C85-44	1"	1"	1.1	12
C85-55	1-1/4"	1-1/4"	1.4	8
C85-66	1-1/2"	1-1/2"	1.9	5
C85-77	2"	2"	2.6	3
ELL COUPLINGS				
L85-31	3/4"	1/2"	.5	-
L85-33	3/4"	3/4"	.7	14
L85-44	1"	1"	1.3	8

For Female Iron Pipe Thread



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FEMALE IRON PIPE	P.J. FOR IRON PIPE		
STRAIGHT COUPLINGS				
C15-31	3/4"	1/2"	.5	25
C15-33	3/4"	3/4"	.6	25
C15-34	3/4"	1"	1.0	10
C15-44	1"	1"	1.0	12
C15-54	1-1/4"	1"	1.2	10
C15-55	1-1/4"	1-1/4"	1.3	8
C15-56	1-1/4"	1-1/2"	1.8	6
C15-66	1-1/2"	1-1/2"	2.2	6
C15-77	2"	2"	3.4	3
ELL COUPLINGS				
L15-31	3/4"	1/2"	.8	-
L15-44	1"	1"	1.7	-

Pack Joint Couplings

Pack Joint for Iron Pipe

For Flare Copper



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FLARE COPPER	P.J. FOR IRON PIPE		
STRAIGHT COUPLINGS				
C25-11	1/2"	1/2"	.6	24
C25-31	3/4"	1/2"	.9	16
C25-33	3/4"	3/4"	1.0	14
C25-34	3/4"	1"	1.5	10
C25-44	1"	1"	1.7	8
C25-45	1"	1-1/4"	2.0	6
ELL COUPLINGS				
L25-33	3/4"	3/4"	1.0	12

For Female Copper Thread
(replaces flare nut)



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FEMALE COP. THRD.	P.J. FOR IRON PIPE		
STRAIGHT COUPLINGS				
C05-33	3/4"	3/4"	.6	20
C05-44	1"	1"	1.2	10
C05-55	1-1/4"	1-1/4"	1.6	8
C05-66	1-1/2"	1-1/2"	2.5	4
C05-77	2"	2"	-	-

Pack Joint by Pack Joint For Connecting Dissimilar Types of Pipe and Tubing

For Copper or Plastic Tubing (CTS)
to Plastic Pipe (PEP)



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	P.J. FOR CTS	P.J. FOR PE PIPE		
STRAIGHT COUPLINGS				
◆C46-33	3/4"	3/4"	1.0	14
C46-34	3/4"	1"	1.5	8
◆C46-43	1"	3/4"	1.1	10
C46-44	1"	1"	1.5	8
C46-65	1-1/2"	1-1/4"	2.9	4
ELL COUPLINGS				
L46-33	3/4"	3/4"	1.1	10
L46-44	1"	1"	1.9	5

Grip Joint for CTS or PEP (3/4" and 1" only) is available. Add "-G" to the catalog number.

◆*Quick Joint* is available. Add "-Q" to this catalog number.

For Copper or Plastic Tubing (CTS)
to PVC Pipe (PVC)



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	P.J. FOR CTS	P.J. FOR PVC PIPE		
STRAIGHT COUPLINGS				
◆C47-33	3/4"	3/4"	1.1	12
C47-34	3/4"	1"	1.6	8
C47-43	1"	3/4"	1.1	12
C47-44	1"	1"	1.6	8
C47-66	1-1/2"	1-1/2"	3.3	4
C47-77	2"	2"	5.0	4
ELL COUPLINGS				
L47-33	3/4"	3/4"	1.8	12

Grip Joint for CTS is available. Add "-G" to the catalog number.

◆*Quick Joint* is available. Add "-Q" to this catalog number.

Pack Joint Couplings

Pack Joint by Pack Joint Couplings and "Y's"

For Copper or Plastic Tubing (CTS)
to Iron Pipe

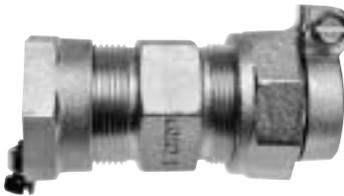


CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	P.J. FOR CTS	P.J. FOR IRON PIPE		
STRAIGHT COUPLINGS				
C45-11	1/2"	1/2"	.7	20
C45-13	1/2"	3/4"	.9	15
C45-31	3/4"	1/2"	.8	16
◆C45-33	3/4"	3/4"	.9	15
C45-34	3/4"	1"	1.4	10
C45-43	1"	3/4"	1.0	12
C45-44	1"	1"	1.2	10
C45-45	1"	1-1/4"	1.6	6
C45-66	1-1/2"	1-1/2"	3.0	4
C45-77	2"	2"	4.2	2
ELL COUPLINGS				
L45-33	3/4"	3/4"	1.0	12
L45-44	1"	1"	1.6	6

Grip Joint for CTS (3/4" through 2") is available. Add "-G" to the catalog number.

◆ *Quick Joint* for CTS end is available. Add "-Q" to the catalog number.

For Iron Pipe to Plastic Pipe (PEP)



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	P.J. FOR IRON PIPE	P.J. FOR PE PIPE		
STRAIGHT COUPLINGS				
C56-33	3/4"	3/4"	1.0	12
C56-44	1"	1"	1.9	6

Grip Joint for PEP (3/4" & 1") is available. Add "-G" to the catalog number.

For Iron Pipe to PVC Pipe (PVC)



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	P.J. FOR IRON PIPE	P.J. FOR PVC PIPE		
STRAIGHT COUPLINGS				
C57-11	1/2"	1/2"	.9	6
C57-33	3/4"	3/4"	1.0	12
C57-34	3/4"	1"	1.5	10
C57-44	1"	1"	1.9	6

Pack Joint "Y's"



Y44-243

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	SINGLE BRANCH END	MULTI-BRANCH END		
◆Y44-243	1" cop. or plas. tubing (CTS)	Two 3/4" cop. or plas. tubing (CTS)	1.6	4
Y44-263	1-1/2" cop. or plas. tubing (CTS)	Two 3/4" cop. or plas. tubing (CTS)	-	-
Y44-264	1-1/2" cop. or plas. tubing (CTS)	Two 1" cop. or plas. tubing (CTS)	3.1	2
Y44-274	2" cop. or plas. tubing (CTS)	Two 1" cop. or plas. tubing (CTS)	3.7	2
◆Y48-234	1" male iron pipe thread	Two 3/4" cop. or plas. tubing (CTS)	1.3	6
Y48-246	1-1/2" male Iron Pipe thread	Two 1" cop. or plas. tubing (CTS)	2.1	4
Y48-347	2" male Iron Pipe thread	Three 1" cop. or plas. tubing (CTS)	4.3	1
Y66-243	1" PE pipe P.J.	Two 3/4" PE pipe P.J.	2.9	2
Y68-337	2" male Iron Pipe thread	Three 3/4" PE pipe P.J.	4.4	1

Grip Joint for CTS or PEP (3/4" & 1") is available. Add "-G" to the catalog number.

◆ *Quick Joint* is available. Add "-Q" to this catalog number.

Pack Joint Couplings

Pack Joint Tees



T444-333



T441-333



T884-333

CATALOG NUMBER	DESCRIPTION		APPROX. Wt. LBS.	STD. PKG. QTY.
	BOTH ENDS (RUN)	x SIDE OUTLET		
PACK JOINT BOTH ENDS (RUN) BY PACK JOINT SIDE OUTLET				
◆T444-333	3/4" cop. or plas. tubing (CTS)	x 3/4" cop. or plas. tubing (CTS)	1.5	6
◆T444-334	3/4" cop. or plas. tubing (CTS)	x 1" cop. or plas. tubing (CTS)	1.6	4
T444-443	1" cop. or plas. tubing (CTS)	x 3/4" cop. or plas. tubing (CTS)	1.6	6
◆T444-444	1" cop. or plas. tubing (CTS)	x 1" cop. or plas. tubing (CTS)	1.9	6
T444-445	1" cop. or plas. tubing (CTS)	x 1-1/4" cop. or plas. tubing (CTS)	2.3	2
T444-666	1-1/2" cop. or plas. tubing (CTS)	x 1-1/2" cop. or plas. tubing (CTS)	4.8	4
* T444-774-AWT	2" cop. or plas. tubing (CTS)	x 1" cop. or plas. tubing (CTS)	-	-
T444-777	2" cop. or plas. tubing (CTS)	x 2" cop. or plas. tubing (CTS)	13.6	3
T446-444	1" cop. or plas. tubing (CTS)	x 1" PE pipe P.J.	2.3	4
T446-445	1" cop. or plas. tubing (CTS)	x 1-1/4" PE pipe P.J.	2.6	2
T666-333	3/4" PE pipe P.J.	x 3/4" PE pipe P.J.	1.9	4
T666-334	3/4" PE pipe P.J.	x 1" PE pipe P.J.	2.5	4
T666-443	1" PE pipe P.J.	x 3/4" PE pipe P.J.	2.9	4
T666-444	1" PE pipe P.J.	x 1" PE pipe P.J.	3.7	6
PACK JOINT BOTH ENDS (RUN) BY SIDE OUTLET TAPPED FOR CORP STOP				
◆T441-333	3/4" cop. or plas. tubing (CTS)	x 3/4" female iron pipe	1.3	8
◆T441-334	3/4" cop. or plas. tubing (CTS)	x 1" female iron pipe	1.4	6
◆T441-444	1" cop. or plas. tubing (CTS)	x 1" female iron pipe	1.6	5
T441-663	1-1/2" cop. or plas. tubing (CTS)	x 3/4" female iron pipe	3.3	4
T441-664	1-1/2" cop. or plas. tubing (CTS)	x 1" female iron pipe	3.3	4
T440-663	1-1/2" cop. or plas. tubing (CTS)	x 3/4" female AWWA taper	3.3	4
T440-664	1-1/2" cop. or plas. tubing (CTS)	x 1" female AWWA taper	3.3	1
T441-773	2" cop. or plas. tubing (CTS)	x 3/4" female iron pipe	5.2	4
T441-774	2" cop. or plas. tubing (CTS)	x 1" female iron pipe	5.0	4
T440-773	2" cop. or plas. tubing (CTS)	x 3/4" female AWWA taper	5.1	4
T440-774	2" cop. or plas. tubing (CTS)	x 1" female AWWA taper	5.0	4
PACK JOINT BOTH ENDS (RUN) BY MIP SIDE OUTLET				
◆T448-334	3/4" cop. or plas. tubing (CTS)	x 3/4" male iron pipe	1.3	6
T448-446	1" cop. or plas. tubing (CTS)	x 1-1/2" Male Iron Pipe	1.8	-
MALE IRON PIPE THREADS BOTH ENDS (RUN) BY PACK JOINT SIDE OUTLET				
T884-333	3/4" male iron pipe	x 3/4" cop. or plas. tubing (CTS)	.9	12
T884-334	3/4" male iron pipe	x 1" cop. or plas. tubing (CTS)	1.0	8
T884-444	1" male iron pipe	x 1" cop. or plas. tubing (CTS)	1.2	9
T184-664	1-1/2" FIP to 1-1/2" MIP	x 1" cop. or plas. tubing (CTS)	2.2	-
T184-774	2" FIP to 2" MIP	x 1" cop. or plas. tubing (CTS)	2.6	-

Grip Joint for CTS or PEP (3/4" & 1") is available. Add "-G" to the catalog number.

◆*Quick Joint* is available. Add "-Q" to this catalog number.

* Note: This item is manufactured from two castings assembled water tight.

Pack Joint Couplings

Pack Joint Tees

Cut-In Tees with Detachable Pack Joints

An extra customer can be served from an existing service line by removing a 2-3/4" section to accommodate the body of a Tee (4" section for 1" service lines). Slip the detachable Pack Joints onto the ends of the line, screw them tight on each end of the Tee. Tighten the Pack Joint nuts and set screws (for iron pipe) or stainless steel clamp screws (for copper tube or tube-size plastic, or for iron pipe size plastic).



TD442-333

Side Outlet Flared Copper



TD441-333

Side Outlet Female Iron Pipe Thread



TD448-333

Side Outlet Male Iron Pipe Thread

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	BOTH ENDS (RUN)	SIDE OUTLET		
SIDE OUTLET FOR FLARE COPPER				
◆ TD442-113	1/2" cop. or plas. tubing (CTS) P.J.	x 3/4" flare copper	2.2	-
TD552-113	1/2" iron pipe P.J.	x 3/4" flare copper	2.0	-
◆ TD442-333	3/4" cop. or plas. tubing (CTS) P.J.	x 3/4" flare copper	2.2	1
TD552-333	3/4" iron pipe P.J.	x 3/4" flare copper	2.1	1
TD442-443	1" cop. or plas. tubing (CTS) P.J.	x 3/4" flare copper	2.5	1
TD552-443	1" iron pipe P.J.	x 3/4" flare copper	3.1	-
* TD002-	less P.J. assemblies	x 3/4" flare copper	.8	-
SIDE OUTLET FOR FEMALE IRON PIPE THREADS				
◆ TD441-113	1/2" cop. or plas. tubing (CTS) P.J.	x 3/4" female Iron Pipe threads	1.6	-
TD551-113	1/2" iron pipe P.J.	x 3/4" female Iron Pipe threads	1.5	-
◆ TD441-333	3/4" cop. or plas. tubing (CTS) P.J.	x 3/4" female Iron Pipe threads	1.7	6
TD551-333	3/4" iron pipe P.J.	x 3/4" female Iron Pipe threads	1.6	1
TD441-443	1" cop. or plas. tubing (CTS) P.J.	x 3/4" female Iron Pipe threads	1.8	4
TD551-443	1" iron pipe P.J.	x 3/4" female Iron Pipe threads	2.6	-
* TD001-	less P.J. assemblies	x 3/4" female Iron Pipe threads	.6	-
SIDE OUTLET FOR MALE IRON PIPE THREADS				
◆ TD448-113	1/2" cop. or plas. tubing (CTS) P.J.	x 3/4" male Iron Pipe threads	1.8	1
TD558-113	1/2" iron pipe P.J.	x 3/4" male Iron Pipe threads	-	-
◆ TD448-333	3/4" cop. or plas. tubing (CTS) P.J.	x 3/4" male Iron Pipe threads	1.8	6
TD558-333	3/4" iron pipe P.J.	x 3/4" male Iron Pipe threads	1.8	1
TD448-443	1" cop. or plas. tubing (CTS) P.J.	x 3/4" male Iron Pipe threads	2.1	1
TD558-443	1" iron pipe P.J.	x 3/4" male Iron Pipe threads	2.8	-
* TD008-	less P.J. assemblies	x 3/4" male Iron Pipe threads	.8	-

* To purchase Pack Joint assemblies for PET, PEP, PVC and iron pipe, refer to section B under Pack Joint assemblies for No. 1 Kornerhorn.

Grip Joint for CTS or PEP (3/4" & 1") is available. Add "-G" to the catalog number.

◆ Quick Joint is available. Add "-Q" to the catalog number.

Lead-Pak Couplings

The Lead-Pak will allow attachment of Copper, Iron, Plastic or PVC to an existing lead service line.

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
LEAD PIPE TO FEMALE IRON PIPE THREAD				
* Q11-23-Q31-13	1/2" dbl. extra strong lead (XXS) or 5/8" strong lead (S)	x	3/4" female iron pipe thread	.8 20
Q21-23 (C16-33)	5/8" extra strong lead (XS)	x	3/4" female iron pipe thread	.7 18
* Q11-33-Q31-23	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	x	3/4" female iron pipe thread	.7 20
Q21-33	3/4" extra strong lead (XS)	x	3/4" female iron pipe thread	1.0 14
Q31-33 (C16-34)	3/4" dbl. extra strong lead (XXS)	x	3/4" female iron pipe thread	1.3 10
Q21-44	1" extra strong lead (XS)	x	1" female iron pipe thread	1.5 10
LEAD PIPE TO SOLDER FITTING FOR COPPER TUBING				
Q2S-13	1/2" extra strong lead (XS)	x	3/4" solder fit. copper tubing	.6 25
* Q1S-23-Q3S-13	1/2" dbl. extra strong lead (XXS) or 5/8" strong lead (S)	x	3/4" solder fit. copper tubing	.9 18
Q2S-23	5/8" extra strong lead (XS)	x	3/4" solder fit. copper tubing	.9 18
* Q1S-33-Q3S-23	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	x	3/4" solder fit. copper tubing	.8 15
Q2S-33	3/4" extra strong lead (XS)	x	3/4" solder fit. copper tubing	1.3 10
Q1S-44	1" strong lead (S)	x	1" solder fit. copper tubing	1.5 8
Q2S-44	1" extra strong lead (XS)	x	1" solder fit. copper tubing	1.3 10
Q3S-44	1" dbl. extra strong lead (XXS)	x	1" solder fit. copper tubing	1.2 10
LEAD PIPE TO LEAD PIPE				
Q2Q2-11 (C44-33)	1/2" extra strong lead (XS)	x	1/2" extra strong lead (XS)	.9 14
* Q1Q1-22-Q3Q3-11	1/2" dbl. extra strong lead (XXS) or 5/8" strong lead (S)	x	1/2" dbl. extra strong lead (XXS) or 5/8" strong lead (S)	1.3 12
Q2Q2-22 (C66-33)	5/8" extra strong lead (XS)	x	5/8" extra strong lead (XS)	1.2 10
* Q1Q1-33-Q3Q3-22	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	x	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	1.0 12
Q2Q2-33	3/4" extra strong lead (XS)	x	3/4" extra strong lead (XS)	1.7 6
Q3Q3-33 (C66-44)	3/4" dbl. extra strong lead (XXS)	x	3/4" dbl. extra strong lead (XXS)	2.2 4
Q1Q1-44	1" strong lead (S)	x	1" strong lead (S)	2.8 6
Q2Q2-44	1" extra strong lead (XS)	x	1" extra strong lead (XS)	2.7 6
Q3Q3-44	1" dbl. extra strong lead (XXS)	x	1" dbl. extra strong lead (XXS)	2.5 6
Q2Q2-55 (C66-55)	1-1/4" extra strong lead (XS)	x	1-1/4" extra strong lead (XS)	2.7 4
Q2Q2-66 (C66-66-IDR7)	1-1/2" extra strong lead (XS)	x	1-1/2" extra strong lead (XS)	4.6 6
LEAD PIPE TO PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)				
Q24-13 (C44-33)	1/2" extra strong lead (XS)	x	3/4" cop. or plastic tubing (CTS)	.9 14
* Q14-23-Q34-13	1/2" dbl. extra strong lead (XXS) or 5/8" strong lead (S)	x	3/4" cop. or plastic tubing (CTS)	1.0 12
Q24-23 (C46-33)	5/8" extra strong lead (XS)	x	3/4" cop. or plastic tubing (CTS)	1.0 12
Q24-24 (C46-43)	5/8" extra strong lead (XS)	x	1" cop. or plastic tubing (CTS)	1.1 10
Q34-24	5/8" dbl. extra strong lead (XXS)	x	1" cop. or plastic tubing (CTS)	1.0 12
* Q14-33-Q34-23	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	x	3/4" cop. or plastic tubing (CTS)	1.0 12
Q24-33	3/4" extra strong lead (XS)	x	3/4" cop. or plastic tubing (CTS)	1.2 12
Q34-33 (C46-34)	3/4" dbl. extra strong lead (XXS)	x	3/4" cop. or plastic tubing (CTS)	1.6 6
Q24-43	1" extra strong lead (XS)	x	3/4" cop. or plastic tubing (CTS)	1.7 8
Q34-43	1" dbl. extra strong lead (XXS)	x	3/4" cop. or plastic tubing (CTS)	1.6 8
Q14-44	1" strong lead (S)	x	1" cop. or plastic tubing (CTS)	1.8 6
Q24-44	1" extra strong lead (XS)	x	1" cop. or plastic tubing (CTS)	1.7 6
Q34-44	1" dbl. extra strong lead (XXS)	x	1" cop. or plastic tubing (CTS)	1.6 6
Q24-56 (C46-65)	1-1/4" extra strong lead (XS)	x	1-1/2" cop. or plastic tubing (CTS)	2.9 4
Q24-66	1-1/2" extra strong lead (XS)	x	1-1/2" cop. or plastic tubing (CTS)	3.7 6
Q24-77	2" extra strong lead (XS)	x	2" cop. or plastic tubing (CTS)	6.3 3
LEAD PIPE TO PACK JOINT FOR PE PIPE				
Q26-13 (C46-33)	1/2" extra strong lead (XS)	x	3/4" PE pipe P.J.	1.0 12
Q26-23 (C66-33)	5/8" extra strong lead (XS)	x	3/4" PE pipe P.J.	1.3 10
Q36-23	5/8" dbl. extra strong lead (XXS)	x	3/4" PE pipe P.J.	1.1 12
Q36-33 (C66-34)	3/4" dbl. extra strong lead (XXS)	x	3/4" PE pipe P.J.	1.5 8
Q36-34 (C66-44)	3/4" dbl. extra strong lead (XXS)	x	1" PE pipe P.J.	2.2 4
Q26-66 (C66-66-IDR7)	1-1/2" extra strong lead (XS)	x	1-1/2" PE pipe P.J.	4.6 6

* These items fit two types/sizes of lead pipe as shown in the description. When ordering use complete catalog number.

NOTE: Numbers in parentheses indicate that some Lead-Pak Couplings are the same as couplings found elsewhere in this catalog section for other types of tubing and pipe; however, Grip Joint Couplings are not compatible with lead pipe.

Lead-Pak Couplings

The Lead-Pak will allow attachment of Copper, Iron, Plastic or PVC to an existing lead service line.

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	
LEAD PIPE TO MALE IRON PIPE THREAD					
Q28-13 (C84-33)	1/2" extra strong lead (XS)	x	3/4" male Iron Pipe threads	.6	24
*Q18-23-Q38-13	1/2" dbl. extra strong lead (XXS) or 5/8" strong lead (S)	x	3/4" male Iron Pipe threads	.7	18
Q28-23 (C86-33)	5/8" extra strong lead (XS)	x	3/4" male Iron Pipe threads	.8	18
*Q18-33-Q38-23	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	x	3/4" male Iron Pipe threads	.8	18
Q28-33	3/4" extra strong lead (XS)	x	3/4" male Iron Pipe threads	1.4	15
Q38-33 (C86-34)	3/4" dbl. extra strong lead (XXS)	x	3/4" male Iron Pipe threads	1.4	10
Q18-44	1" strong lead (S)	x	1" male Iron Pipe threads	1.6	8
Q28-44	1" extra strong lead (XS)	x	1" male Iron Pipe threads	1.5	8
Q38-44	1" dbl. extra strong lead (XXS)	x	1" male Iron Pipe threads	1.4	8
Q28-55 (C86-55)	1-1/4" extra strong lead (XS)	x	1-1/4" male Iron Pipe threads	1.6	6
Q28-66 (C86-66-IDR7)	1-1/2" extra strong lead (XS)	x	1-1/2" male Iron Pipe threads	2.7	3
Q28-77	2" extra strong lead (XS)	x	2" male Iron Pipe threads	4.8	5
LEAD PIPE TO FLARE COPPER					
Q22-13 (C24-33)	1/2" extra strong lead (XS)	x	3/4" flare copper	1.0	14
*Q12-23-Q32-13	1/2" dbl. extra strong lead (XXS) or 5/8" strong lead (S)	x	3/4" flare copper	1.1	12
Q22-23 (C26-33)	5/8" extra strong lead (XS)	x	3/4" flare copper	1.0	12
Q22-24	5/8" extra strong lead (XS)	x	1" flare copper	1.5	8
Q12-33-Q32-23	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	x	3/4" flare copper	1.4	12
Q22-33	3/4" extra strong lead (XS)	x	3/4" flare copper	1.4	12
Q32-33 (C26-34)	3/4" dbl. extra strong lead (XXS)	x	3/4" flare copper	1.7	8
*Q12-34-Q32-24	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	x	1" flare copper	1.6	6
Q22-34	3/4" extra strong lead (XS)	x	1" flare copper	1.7	10
Q12-44	1" strong lead (S)	x	1" flare copper	2.2	5
Q22-44	1" extra strong lead (XS)	x	1" flare copper	2.1	5
Q32-44	1" dbl. extra strong lead (XXS)	x	1" flare copper	2.0	6

* These items fit two types/sizes of lead pipe as shown in the description. When ordering use complete catalog number.

NOTE: Numbers in parentheses indicate that some Lead-Pak Couplings are the same as couplings found elsewhere in this catalog section for other types of tubing and pipe; however, Grip Joint Style Couplings are not compatible with lead pipe.



Q21-33



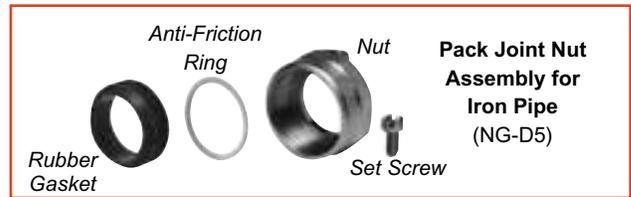
Q1Q1-33-Q3Q3-22



Q28-33

LEAD PIPE DIMENSIONS	
SIZE (I.D.) AND TYPE OF LEAD PIPE	APPROX. AVG. SIZE O.D.
1/2" Extra Strong	.876
1/2" Double Extra Strong	1.012
5/8" Strong	1.019
5/8" Extra Strong	1.082
5/8" Double Extra Strong	1.137
3/4" Strong	1.156
3/4" Extra Strong	1.212
3/4" Double Extra Strong	1.336
1" Strong	1.428
1" Extra Strong	1.492
1" Double Extra Strong	1.596
1 1/4" Extra Strong	1.765
1 1/2" Extra Strong	2.076
2" Extra Strong	2.751

Pack Joint Coupling Parts



PACK JOINT NUT SIZE AND TYPE	NUT & GASKET ASSEMBLY COMPLETE CATALOG No.	BEVELED RUBBER GASKET ONLY CATALOG No.	PLASTIC ANTI-FRICTION RING CATALOG No.	CLAMP / SET SCREW CATALOG No.
COPPER OR PLASTIC TUBING (CTS) SIZE				
1/2"	NG-A4	GT-1	FR-A	CS-A
1/2" (Corp)	NG-AA4	GT-1	FR-A	CS-A
5/8"	NG-B4	GT-24	FR-A-5	CS-A
3/4"	NG-D4	GT-1-5	FR-A-5	CS-A
1"	NG-F4	GT-5	FR-D	CS-A
1" (Corp/BallCorp)	NG-FF4	GT-7	FR-E	CS-A
1-1/4"	NG-H4	GT-10	FR-F	CS-A
1-1/4" (BallCorp)	NG-HH4	GT-10-5	FR-G	CS-A
1-1/2"	NG-J4	GT-14	FR-H	CS-B
1-1/2" (BallCorp)	NG-JJ4	GT-28	FR-T	CS-B
2"	NG-K4	GT-17	FR-K	CS-B
2" (BallCorp)	NG-KKK4	GT-25	FR-R	CS-B
2-1/2"	NG-L4	GT-61	FR-S	CS-B
IRON PIPE SIZE				
1/2"	NG-A5	GT-1-5	FR-A-5	SS-A
3/4"	NG-D5	GT-3	FR-D	SS-A
1"	NG-F5	GT-9	FR-F	SS-C
1-1/4"	NG-H5	GT-15	FR-H	SS-C
1-1/2"	NG-J5	GT-16	FR-J	SS-C
2"	NG-K5	GT-18	FR-L	SS-C
PE PIPE SIZE				
3/4"	NG-D6	GT-3	FR-D	CS-A
3/4" (Corp/BallCorp)	NG-DD6	GT-4	FR-E	CS-A
1"	NG-F6	GT-10	FR-F	CS-A
1" (Corp/BallCorp)	NG-FF6	GT-10-5	FR-G	CS-A
1-1/4"	NG-H6	GT-15-5	FR-H	CS-A
1-1/4" (Ballcorp)	NG-HH6	GT-49	FR-J	CS-A
1-1/2"	NG-JJ6-IDR7	GT-17	FR-K	CS-B
1-1/2" (Ballcorp)	NG-JJJ6-IDR7	GT-25	FR-R	CS-B
2"	NG-KK6-IDR7	GT-27	FR-S	CS-B
PVC PIPE				
1/2"	NG-A7	GT-1-5	FR-A-5	CS-A
3/4"	NG-D7	GT-3	FR-D	CS-A
1"	NG-F7	GT-9	FR-F	CS-A
1" (Corp/BallCorp)	NG-FF7	GT-10-5	FR-G	CS-A
1-1/4"	NG-H7	GT-15	FR-H	CS-B
1-1/4" (BallCorp)	NG-HH7	GT-48	FR-J	CS-B
1-1/2"	NG-J7	GT-16	FR-J	CS-B
1-1/2" (BallCorp)	NG-JJ7	GT-16	FR-J	CS-B
2"	NG-K7	GT-18	FR-L	CS-B
2" (BallCorp)	NG-KK7	GT-31	FR-R	CS-B
LEAD PIPE				
1/2" XS	NG-AAX	GT-1-5	FR-A-5	CS-A
1/2" XXS	NG-AAAX	GT-3	FR-D	CS-A
5/8" S	NG-BX	GT-3	FR-D	CS-A
5/8" XS	NG-BBX	GT-3	FR-D	CS-A
5/8" XXS	NG-BBBX	GT-5	FR-D	CS-A
3/4" S	NG-DX	GT-5	FR-D	CS-A
3/4" XS	NG-DDX	GT-39	FR-X	CS-A
3/4" XXS	NG-DDDX	GT-10	FR-F	CS-A
1" S	NG-FX	GT-12	FR-G	CS-A
1"XS	NG-FFX	GT-12	FR-G	CS-A
1" XXS	NG-FFF	GT-13	FR-G	CS-A
1-1/4"S	-	GT-15	FR-H	-
1-1/4" XS	NG-HX	GT-15-5	FR-H	CS-A
1-1/2" XS	NG-JX	GT-17	FR-K	CS-B
2" XS	NG-KX	GT-26	-	SS-C

Flared Copper Couplings

Female Iron Pipe Thread and Male Iron Pipe Thread

For Female Iron Pipe Thread



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FLARE COPPER	FEMALE IRON PIPE		
STRAIGHT COUPLINGS				
C21-11	1/2"	1/2"	.4	50
C21-31	3/4"	1/2"	.6	25
C21-23	5/8"	3/4"	.6	25
C21-33	3/4"	3/4"	.8	20
C21-34	3/4"	1"	.9	20
C21-35	3/4"	1-1/4"	1.0	14
C21-44	1"	1"	1.2	12
C21-45	1"	1-1/4"	1.3	12
C21-55	1-1/4"	1-1/4"	1.8	8
C21-66	1-1/2"	1-1/2"	2.7	4
C21-67	1-1/2"	2"	3.3	3
C21-77	2"	2"	5.3	3
C21-78	2"	2-1/2"	6.6	2
ELL COUPLINGS				
L21-33	3/4"	3/4"	1.0	16
L21-44	1"	1"	1.8	8
L21-66	1-1/2"	1-1/2"	3.8	3
L21-77	2"	2"	6.5	1
EIGHTH BEND COUPLINGS				
LA21-33	3/4"	3/4"	.9	18
LA21-44	1"	1"	1.6	10

For Male Iron Pipe Thread



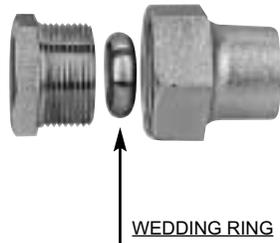
CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FLARE COPPER	MALE IRON PIPE		
STRAIGHT COUPLINGS				
C28-11	1/2"	1/2"	.4	50
C28-31	3/4"	1/2"	.6	25
C28-13	1/2"	3/4"	.5	36
C28-23	5/8"	3/4"	.6	30
C28-33	3/4"	3/4"	.7	20
C28-34	3/4"	1"	.8	2
C28-43	1"	3/4"	1.1	15
C28-44	1"	1"	1.2	10
C28-54	1-1/4"	1"	1.5	8
C28-55	1-1/4"	1-1/4"	1.8	6
C28-65	1-1/2"	1-1/4"	3.0	5
C28-66	1-1/2"	1-1/2"	2.9	4
C28-77	2"	2"	5.2	1
ELL COUPLINGS				
L28-11	1/2"	1/2"	.5	-
L28-33	3/4"	3/4"	.9	16
* L28-34-AWT	3/4"	1"	1.0	-
L28-43	1"	3/4"	1.2	12
L28-44	1"	1"	1.4	8
L28-66	1-1/2"	1-1/2"	3.0	3
L28-77	2"	2"	5.3	1

*Note: This item is manufactured from two castings assembled water tight.

Flared Copper Couplings

Flare Copper to Flare Copper

For Flare Copper to Flare Copper
2 part coupling
(supplied with wedding ring)



Wedding Ring Only (For 2 part coupling)



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FLARE COPPER	FLARE COPPER		
STRAIGHT COUPLINGS				
CS22-33	3/4"	3/4"	.6	25
CS22-44	1"	1"	1.0	15
CS22-55	1-1/4"	1-1/4"	1.5	10
CS22-66	1-1/2"	1-1/2"	2.5	6
CS22-77	2"	2"	5.0	3

CATALOG NUMBER	SIZE AND COUPLING APPLICATIONS	APPROX. WT. LBS.	STD. PKG. QTY.
WEDDING RINGS			
WR-3	3/4" for CS22-33	.1	-
WR-4	1" for CS22-44	.1	-
WR-5	1-1/4" for CS22-55	.1	-
WR-6	1-1/2" for CS22-66	.2	-
WR-7	2" for CS22-77	.3	-

For Flare Copper to Flare Copper
3 part coupling



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	FLARE COPPER	FLARE COPPER		
STRAIGHT COUPLINGS				
C22-11	1/2"	1/2"	.6	30
C22-12	1/2"	5/8"	.8	24
C22-13	1/2"	3/4"	.8	24
C22-22	5/8"	5/8"	.8	20
C22-23	5/8"	3/4"	1.0	15
C22-33	3/4"	3/4"	1.1	14
C22-34	3/4"	1"	1.4	12
C22-44	1"	1"	2.0	6
C22-55	1-1/4"	1-1/4"	2.9	4
C22-66	1-1/2"	1-1/2"	4.4	7
C22-77	2"	2"	8.5	1
ELL COUPLINGS				
L22-33	3/4"	3/4"	1.2	14
L22-34	1"	1"	1.5	10
L22-44	1"	1"	1.8	8
L22-66	1-1/2"	1-1/2"	4.7	2
L22-77	2"	2"	9.0	2

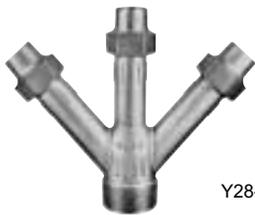
Flared Copper Couplings

Branch Connections and Service Tees

“Y” Branch Connections



Y22-247



Y28-347

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	MULTI-BRANCH END	SINGLE BRANCH END		
TWO BRANCH CONNECTIONS				
Y22-243	Two 3/4" Flare Cop. Conns.	x 1" Flare Copper	2.0	5
Y22-247	Two 1" Flare Cop. Conns.	x 2" Flare Copper	6.0	4
Y28-234	Two 3/4" Flare Cop. Conns.	x 1" Male Iron Pipe	1.4	8
Y28-247	Two 1" Flare Cop. Conns.	x 2" Male Iron Pipe	2.9	2
Y21-247	Two 1" Flare Cop. Conns.	x 2" Female Iron Pipe	4.1	2
Y22-246	Two 1" Flare Cop. Conns.	x 1-1/2" Flare Copper	4.3	2
Y28-246	Two 1" Flare Cop. Conns.	x 1-1/2" Male Iron Pipe	2.9	4
Y21-246	Two 1" Flare Cop. Conns.	x 1-1/2" Female Iron Pipe	3.3	2
Y88-247	Two 1" Male Iron Pipe Conns.	x 2" Male Iron Pipe	1.6	-
THREE BRANCH CONNECTIONS				
Y22-346	Three 1" Flare Cop. Conns.	x 1-1/2" Flare Copper	6.6	5
Y28-346	Three 1" Flare Cop. Conns.	x 1-1/2" Male Iron Pipe	5.3	4
Y22-347	Three 1" Flare Cop. Conns.	x 2" Flare Copper	8.6	5
Y28-347	Three 1" Flare Cop. Conns.	x 2" Male Iron Pipe	5.3	5
Y21-347	Three 1" Flare Cop. Conns.	x 2" Female Iron Pipe	5.6	1

Service Tees



T882-333



T222-334

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	BOTH ENDS (RUN)	OUTLET SIDE		
T888-333	3/4" Male Iron Pipe	x 3/4" Male Iron Pipe	.6	20
T888-334	3/4" Male Iron Pipe	x 1" Male Iron Pipe	.7	10
T888-444	1" Male Iron Pipe	x 1" Male Iron Pipe	.9	10
T888-445	1" Male Iron Pipe	x 1-1/4" Male Iron Pipe	1.0	8
T888-777	2" Male Iron Pipe	x 2" Male Iron Pipe	-	-
T882-333	3/4" Male Iron Pipe	x 3/4" Flare Copper	.9	10
T882-334	3/4" Male Iron Pipe	x 1" Flare Copper	1.3	10
T882-444	1" Male Iron Pipe	x 1" Flare Copper	1.7	6
T181-664	1-1/2" FIP to 1-1/2" MIP	x 1" Female Iron Pipe	2.1	1
T181-774	2" FIP to 2" MIP	x 1" Female Iron Pipe	2.4	1
T282-333	3/4" Fl. Cop. to 3/4" MIP	x 3/4" Flare Copper	1.4	8
T282-334	3/4" Fl. Cop. to 3/4" MIP	x 1" Flare Copper	1.8	8
T282-444	1" Fl. Cop. to 1" MIP	x 1" Flare Copper	2.4	4
T228-333	3/4" Flare Copper	x 3/4" Male Iron Pipe	1.4	8
T228-334	3/4" Flare Copper	x 1" Male Iron Pipe	1.5	8
T228-444	1" Flare Copper	x 1" Male Iron Pipe	2.2	4
T222-113	1/2" Flare Copper	x 3/4" Flare Copper	1.1	10
T222-333	3/4" Flare Copper	x 3/4" Flare Copper	1.7	8
T222-334	3/4" Flare Copper	x 1" Flare Copper	2.1	5
T222-443	1" Flare Copper	x 3/4" Flare Copper	2.4	5
T222-444	1" Flare Copper	x 1" Flare Copper	2.9	4
T222-445	1" Flare Copper	x 1-1/4" Flare Copper	3.6	2
T222-664	1-1/2" Flare Copper	x 1" Flare Copper	5.3	5
T222-666	1-1/2" Flare Copper	x 1-1/2" Flare Copper	6.8	6
* T222-774-AWT	2" Flare Copper	x 1" Flare Copper	14.1	2
T222-777	2" Flare Copper	x 2" Flare Copper	12.5	3

*Note: This item is manufactured from two castings assembled water tight.

Flared Copper Couplings

Service Tees and Adapters

Multi-Service Tee



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	SINGLE INLET	MULTI- OUTLET		
T11-663	1-1/2" Female Iron Pipe	x Six 3/4" Female Iron Pipe	1.8	5
T11-674	2" Female Iron Pipe	x Six 1" Female Iron Pipe	3.0	4

Multi-Service "Y"



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	SINGLE INLET	MULTI- OUTLET		
Y11-474	2" Female Iron Pipe	x Four 1" Female Iron Pipe	3.3	3

Adapters for Flare Copper Connections (Replaces Flare Nut)



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
COPPER TUBE NUTS WITH MALE IRON PIPE THREADS ON SMALL END				
C08-33	3/4" Female Copper Thread	x 3/4" Male Iron Pipe	.4	40
C08-43	1" Female Copper Thread	x 3/4" Male Iron Pipe	.7	16
C08-44	1" Female Copper Thread	x 1" Male Iron Pipe	.7	20
C08-45	1" Female Copper Thread	x 1-1/4" Male Iron Pipe	.8	-
C08-66	1-1/2" Female Copper Thread	x 1-1/2" Male Iron Pipe	1.5	6
C08-77	2" Female Copper Thread	x 2" Male Iron Pipe	2.5	3
COPPER TUBE NUTS WITH FEMALE IRON PIPE THREADS ON SMALL END				
C01-11	1/2" Female Copper Thread	x 1/2" Female Iron Pipe	.4	42
C01-33	3/4" Female Copper Thread	x 3/4" Female Iron Pipe	.4	36
C01-34	3/4" Female Copper Thread	x 1" Female Iron Pipe	.7	25
C01-43	1" Female Copper Thread	x 3/4" Female Iron Pipe	.8	15
C01-44	1" Female Copper Thread	x 1" Female Iron Pipe	.9	15
C01-55	1-1/4" Female Copper Thread	x 1-1/4" Female Iron Pipe	1.1	10
C01-65	1-1/2" Female Copper Thread	x 1-1/4" Female Iron Pipe	1.7	6
C01-66	1-1/2" Female Copper Thread	x 1-1/2" Female Iron Pipe	1.4	8
C01-67	1-1/2" Female Copper Thread	x 2" Female Iron Pipe	1.7	-
C01-75	2" Female Copper Thread	x 1-1/4" Female Iron Pipe	3.1	3
C01-77	2" Female Copper Thread	x 2" Female Iron Pipe	3.6	3
PIGGY BACK NUTS				
C02-31	3/4" Female Copper Thread	x 1/2" Flare Copper	.5	30
C02-32	3/4" Female Copper Thread	x 5/8" Flare Copper	.6	25
C02-43	1" Female Copper Thread	x 3/4" Flare Copper	1.1	15
C02-54	1-1/4" Female Copper Thread	x 1" Flare Copper	1.4	10
C02-64	1-1/2" Female Copper Thread	x 1" Flare Copper	2.2	5
C02-65	1-1/2" Female Copper Thread	x 1-1/4" Flare Copper	2.5	5
C02-74	2" Female Copper Thread	x 1" Flare Copper	3.5	3
C02-75	2" Female Copper Thread	x 1-1/4" Flare Copper	4.0	3
C02-76	2" Female Copper Thread	x 1-1/2" Flare Copper	4.3	2
ELL COUPLINGS				
L02-33	3/4" Female Copper Thread	x 3/4" Flare Copper	1.0	15
L02-44	1" Female Copper Thread	x 1" Flare Copper	1.7	8
L02-66	1-1/2" Female Copper Thread	x 1-1/2" Flare Copper	3.3	2
L02-77	2" Female Copper Thread	x 2" Flare Copper	7.0	1
EIGHTH BEND COUPLINGS				
LA02-33	3/4" Female Copper Thread	x 3/4" Flare Copper	.8	18
LA02-44	1" Female Copper Thread	x 1" Flare Copper	1.4	10
LA02-66	1-1/2" Female Copper Thread	x 1-1/2" Flare Copper	3.3	2
LA02-77	2" Female Copper Thread	x 2" Flare Copper	6.4	3
INCREASER BUSHINGS				
C02-23	5/8" Female Copper Thread	x 3/4" Flare Copper	.7	25
C02-34-LN	3/4" Female Copper Thread	x 1" Flare Copper (less nut)	1.0	25
C02-34	3/4" Female Copper Thread	x 1" Flare Copper (with nut)	1.1	16

Copper washers included on sizes 3/4" and above.

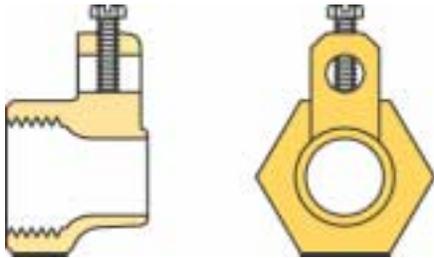
Copper Tube Nuts, Discs and Copper Gaskets

Copper Tube Nuts



CATALOG NUMBER	DESCRIPTION CONNECTION SIZE	APPROX. WT. LBS.	STD. PKG. QTY.
CTN-1	1/2"	.2	-
CTN-2	5/8"	.2	-
CTN-3	3/4"	.4	-
CTN-4	1"	.6	50
CTN-5	1-1/4"	.9	11
CTN-6	1-1/2"	1.2	3
CTN-7	2"	2.4	2

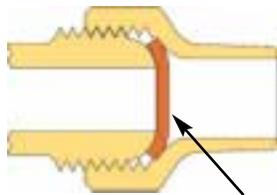
Thaw Wire Copper Tube Nuts



These Copper Tube Nuts have a "wing" attachment for connecting an electric thawing wire.

CATALOG NUMBER	DESCRIPTION CONNECTION SIZE	APPROX. WT. LBS.	STD. PKG. QTY.
CTN-3-TW	3/4"	.4	35
CTN-4-TW	1"	.7	15

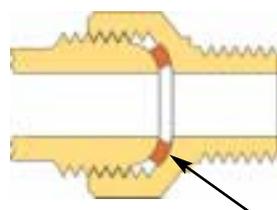
Copper Discs - To Plug Service At Flare Copper Connections



Copper Disc

CATALOG NUMBER	DESCRIPTION CONNECTION SIZE	APPROX. WT. LBS.	STD. PKG. QTY.
Disc-3	3/4"	.04	-
Disc-4	1"	.06	-
Disc-5	1-1/4"	.07	-
Disc-6	1-1/2"	.09	-
Disc-7	2"	.18	-

Copper Gaskets - To Use With Adapters Replacing Flare Nuts



Copper Gasket

CATALOG NUMBER	DESCRIPTION CONNECTION SIZE	APPROX. WT. LBS.	STD. PKG. QTY.
SLC-3	3/4"	.01	-
SLC-4	1"	.02	-
SLC-5	1-1/4"	.03	-
SLC-6	1-1/2"	.04	-
SLC-7	2"	.08	-

Bushings, Unions, Couplings and Plugs

Brass Bushings



C18-34



C18-37

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
C18-13	1/2" Female Iron Pipe	x	3/4" Male Iron Pipe	.1	100
C18-14	1/2" Female Iron Pipe	x	1" Male Iron Pipe	.3	60
C18-34	3/4" Female Iron Pipe	x	1" Male Iron Pipe	.2	60
C18-35	3/4" Female Iron Pipe	x	1-1/4" Male Iron Pipe	.5	35
C18-36	3/4" Female Iron Pipe	x	1-1/2" Male Iron Pipe	.9	20
C18-37	3/4" Female Iron Pipe	x	2" Male Iron Pipe	.8	16
C18-43	1" Female Iron Pipe	x	3/4" Male Iron Pipe	.4	40
C18-45	1" Female Iron Pipe	x	1-1/4" Male Iron Pipe	.4	35
C18-46	1" Female Iron Pipe	x	1-1/2" Male Iron Pipe	.9	20
C18-47	1" Female Iron Pipe	x	2" Male Iron Pipe	.7	16
C18-54	1-1/4" Female Iron Pipe	x	1" Male Iron Pipe	.7	20
C18-56	1-1/4" Female Iron Pipe	x	1-1/2" Male Iron Pipe	.5	20
C18-57	1-1/4" Female Iron Pipe	x	2" Male Iron Pipe	1.1	10
C18-67	1-1/2" Female Iron Pipe	x	2" Male Iron Pipe	.8	15
C18-76	2" Female Iron Pipe	x	1-1/2" Male Iron Pipe	-	-
C18-78	2" Female Iron Pipe	x	2-1/2" Male Iron Pipe	1.4	6

Brass Unions



CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
UNION-3	3/4" Female Iron Pipe	x	3/4" Female Iron Pipe	.8	20

Reducing Couplings



CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
C11-43	1" Female Iron Pipe	x	3/4" Female Iron Pipe	.5	-
C11-54	1-1/4" Female Iron Pipe	x	1" Female Iron Pipe	.6	20
C11-64	1-1/2" Female Iron Pipe	x	1" Female Iron Pipe	.8	15
C11-74	2" Female Iron Pipe	x	1" Female Iron Pipe	1.6	8
C11-75	2" Female Iron Pipe	x	1-1/4" Female Iron Pipe	1.4	8
C88-45	1" Male Iron Pipe	x	1-1/4" Male Iron Pipe	.6	-

El Couplings



CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
L88-33	3/4" Male Iron Pipe	x	3/4" Male Iron Pipe	.5	25
L88-77	2" Male Iron Pipe	x	2" Male Iron Pipe	2.1	-

Brass Service Plugs



CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
Pipe Plugs					
CSP-3-I	3/4" Male Iron Pipe Thread	x	Square Wrench Head	.2	100
CSP-4-I	1" Male Iron Pipe Thread	x	Square Wrench Head	.3	50
Copper Service Plugs					
CSP-3	Male Cop. Thrd. for 3/4" CTN	x	Square Wrench Head	.3	50
CSP-4	Male Cop. Thrd. for 1" CTN	x	Square Wrench Head	.4	35

Insert Fittings for Plastic

Straight Insert Fittings for PE Plastic Pipe



BOTH ENDS RIBBED INSERT FOR PE PIPE



FEMALE COPPER THREAD TO RIBBED INSERT FOR PE PIPE (REPLACES FLARE NUT)



MALE IRON PIPE THREAD TO RIBBED INSERT FOR PE PIPE



FEMALE IRON PIPE TO RIBBED INSERT FOR PE PIPE



SOLDER SOCKET FOR COPPER TO RIBBED INSERT FOR PE PIPE



NOSE FOR SOLDER CONNECTION INTO SWEAT FITTING TO RIBBED INSERT FOR PE PIPE

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	SRD. PKG. QTY.
BOTH ENDS RIBBED INSERT FOR PE PIPE				
PTP-1	3/4" PE Pipe	x 3/4" PE pipe	.3	60
PTP-21	3/4" PE Pipe	x 1" PE Pipe	.4	40
PTP-2	1" PE Pipe	x 1" PE Pipe	.4	35
PTP-3	1-1/4" PE Pipe	x 1-1/4" PE Pipe	.5	25
PTP-32	1-1/4" PE Pipe	x 1" PE Pipe	.5	-
PTP-4	1-1/2" PE Pipe	x 1-1/2" PE Pipe	.8	12
PTP-5	2" PE Pipe	x 2" PE Pipe	1.0	9
FEMALE COPPER THREAD TO RIBBED INSERT FOR PE PIPE				
PTC-1	3/4" Female Cop. Thrd.	x 3/4" PE Pipe	.4	25
PTC-21	3/4" Female Cop. Thrd.	x 1" PE Pipe	.5	25
PTC-2	1" Female Cop. Thrd.	x 1" PE Pipe	.8	20
PTC-4	1-1/2" Female Cop. Thrd.	x 1-1/2" PE Pipe	1.4	8
PTC-5	2" Female Cop. Thrd.	x 2" PE Pipe	2.5	3
MALE IRON PIPE THREAD TO RIBBED INSERT FOR PE PIPE				
PTM-1	3/4" Male Iron Pipe	x 3/4" PE Pipe	.4	40
PTM-21	3/4" Male Iron Pipe	x 1" PE Pipe	.5	36
PTM-2	1" Male Iron Pipe	x 1" PE Pipe	.6	25
PTM-3	1-1/4" Male Iron Pipe	x 1-1/4" PE Pipe	.8	18
PTM-4	1-1/2" Male Iron Pipe	x 1-1/2" PE Pipe	.9	12
PTM-5	2" Male Iron Pipe	x 2" PE Pipe	1.2	8
FEMALE IRON PIPE THREAD TO RIBBED INSERT FOR PE PIPE				
PTF-1	3/4" Female Iron Pipe	x 3/4" PE Pipe	.5	30
PTF-21	3/4" Female Iron Pipe	x 1" PE Pipe	.6	25
PTF-2	1" Female Iron Pipe	x 1" PE Pipe	.6	25
SOLDER SOCKET FOR COPPER TO RIBBED INSERT FOR PE PIPE				
PTSS-1	3/4" Solder Socket for Cop.	x 3/4" PE Pipe	.4	40
PTSS-2	1" Solder Socket for Cop.	x 1" PE Pipe	.5	25
PTSS-3	1-1/4" Solder Socket for Cop.	x 1-1/4" PE Pipe	.8	15
SOLDER NOSE FOR COPPER TO RIBBED INSERT FOR PE PIPE				
PTS-1	3/4" Solder Nose for Cop.	x 3/4" PE Pipe	.3	80
PTS-2	1" Solder Nose for Cop.	x 1" PE Pipe	.4	50
PTS-3	1-1/4" Solder Nose for Cop.	x 1-1/4" PE Pipe	.7	15

Insert Fittings for Plastic

Ell Insert Fittings for PE Plastic Pipe



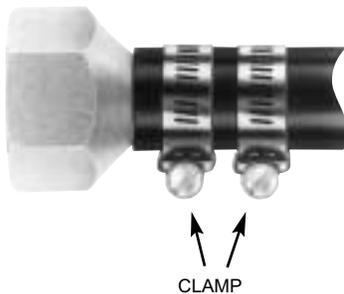
CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	STD. PKG. QTY.
PTPL-4	1-1/2" PE Pipe x 1-1/2" PE Pipe	1.1	6
PTPL-5	2" PE Pipe x 2" PE Pipe	1.5	5

Service Tee Insert Fitting for 1" PE Plastic Pipe



CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	STD. PKG. QTY.
PTPT-2	1" PE Pipe x 1" PE Pipe x 1" PE Pipe	0.7	16

Stainless Steel Clamp for PE Pipe



CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	STD. PKG. QTY.
Clamp-16	For 3/4" PE Pipe	.05	100
Clamp-20	For 1" PE Pipe	.05	75
Clamp-24	For 1-1/4" PE Pipe	.05	70
Clamp-32	For 1-1/2" PE Pipe	.06	40
Clamp-40	For 2" PE Pipe	.07	35

Section J

Ford Couplings For Pipe And Tubing

Warranty

All merchandise is warranted to be free from defects in material and factory workmanship. We will provide free of charge new products in equal quantities for any that prove defective within one year from date of shipment from our factory. Manufacturer shall not be liable for any loss, damage, or injury, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of product for his intended use and user assumes all risk and liability whatever in connection therewith. No claims for labor or consequential damage will be allowed. The foregoing may not be changed except by agreement signed by an officer of the manufacturer.

Please Note:

The Ford Meter Box Company considers the information in this catalog to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



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