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Ford Couplings For Pipe And Tubing

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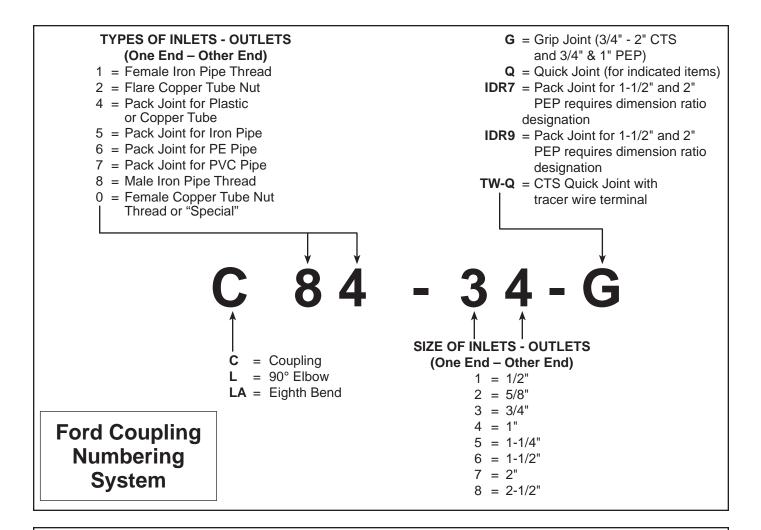
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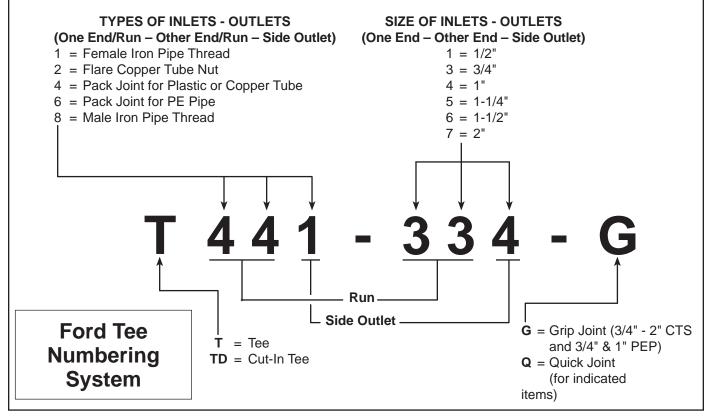
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Warranty

Ford offers more than 10,000 products that are Classified by Underwriters Laboratories Inc. to ANSI/NSF Standard 61 or ANSI/NSF Standard 61 Annex G (or proposed ANSI/NSF Standard 372). To verify if a product is classified to this Standard, contact the Ford Meter Box Customer Service Department at 260-563-3171 or go to http://database.ul.com/cgi-bin/XYV/ template/LISEXT/1FRAME/index.htm to view our compliant product listings. The UL marking will be on the box label to indicate that the product is classified to the ANSI/NSF Standard 61 or ANSI/NSF Standard 61 Annex G (or proposed ANSI/NSF Standard 61 or ANSI/NSF Standard 61 Annex G (or proposed ANSI/NSF Standard 61 or ANSI/NSF Standard 61 Annex G (or proposed ANSI/NSF Standard 372). Ford Meter Box meets your needs for products that are proven and reliable.







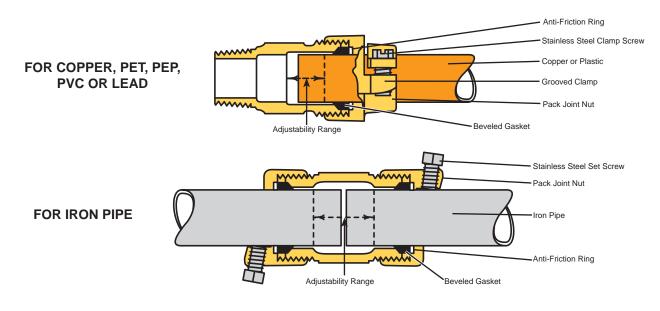
Note: See product listings in catalog to ensure desired sizes and options are available.

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 catches the service line. Ford Pack Joints offer a balanced design on every type of pipe. Stab the pipe into the fitting, tighten the EPDM gasketed nut for a watertight 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 an EPDM beveled gasket to make it watertight 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 on to hold the pipe.



Quick Joint Couplings

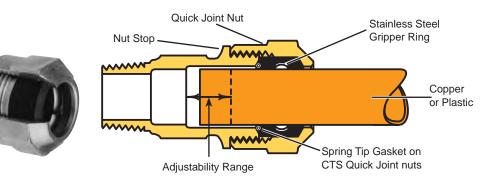
The new Ford Quick Joint offers traditional Ford features of quality and reliability. This easy-to-use fitting is available on a wide variety of Ford products. Just stab the copper or plastic tubing into the fitting and tighten down the compression nut to the stop. That's it! The Quick Joint provides 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.

A positive, external and visual stop ensures correct installation, providing maximum performance.

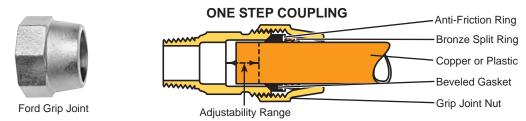
The Ford Quick Joint is designed and manufactured for copper or for copper tube size SDR 9 Polyethylene plastic with a solid tubular metal insert.



Grip Joint Couplings

Grip Joint Connections - How the Grip Joint Works

- **1.** Tightening the Grip Joint nut compresses an EPDM beveled gasket to form a watertight 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.



Lead-Pak Couplings

Code Marks for Ford

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 an EPDM beveled gasket to make it watertight 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

- CTS Copper and PET PEP - PE pipe
- PVC PVC pipe
- S Strong lead pipe

Compression Coupling Nuts

- 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.

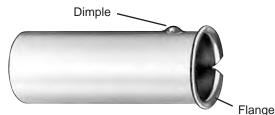
Plastic Pipe - PEP - Flexible water service pipe in what is referred to as "pipe size." Plastic Pipe refers to *any* pipe having the same **inside diameter** as corresponding sizes of standard iron pipe. PEP – Polyethylene pipe.

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).





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.

PLASTIC <u>TUBING</u> 50 SERIES FOR POLYETHYLENE TUBING

CATALOG	NOMINAL	NAL PET APPROX.		STD.
NUMBER	SIZE	ID	WT. LBS.*	PKG. QTY.
INSERT-51	3/4"	.681	4.8	200
INSERT-52	1"	.875	4.2	100
** INSERT-53-72	1-1/4"	1.069	2.4	50
INSERT-54	1-1/2"	1.263	3.1	25
INSERT-54-Q	1-1/2"	1.263	2.6	30
INSERT-55	2"	1.653	4.6	40
INSERT-55-Q	2"	1.653	5.8	50

PLASTIC <u>PIPE</u> 70 SERIES FOR POLYETHYLENE PIPE

CATALOG	NOMINAL	PEP	APPROX.	STD.
NUMBER	SIZE	ID	WT. LBS.*	PKG. QTY.
INSERT-71	3/4"	.824	4.4	100
** INSERT-53-72	1"	1.049	2.9	50
INSERT-53-72-Q	1"	1.049	2.9	50
INSERT-73	1-1/4"	1.380	5.8	75
INSERT-74	1-1/2"	1.610	5.5	45
INSERT-75	2"	2.067	9.7	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 AND TUBING TYPE PSI SDR CONTROL		O.D.				I.D.													
		P 31	PSI SDR CONTROL		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	200	0000	OD	.625	.875	1.125	1.375	1.625	2.125		.681	.875	1.069	1.263	1.653			
FEI	PE4710	250	SDR9	SDR9 OD			.00	.025 .075	.075	.075 1.125	1.375 1	1.025 2.	2.120	-	.001	.075	1.009	1.203	1.053
PEP	PE3408	200	SIDR7	200	ID		1 000	1.349	1.774	2 070	2.657		004	1.049	1.380	1 6 1 0	2.067		
PEP	PE4710	250		U	-	1.060	1.349	1.774	2.070	2.007	-	.824	1.049	1.360	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





C84-44-G Above photo shows Grip Joint option.

Pack Joint Couplings

Pack Joint for Copper or Plastic Tubing

For Copper or Plastic Tubing (CTS) Both Ends

CATALOG	DESCR	IPTION	APPROX.	STD. PKG.			
NUMBER	P.J. FOR CTS	P.J. FOR CTS	WT. LBS.	QTY.			
STRAIGHT COUPLINGS							
♦C44-11	1/2"	1/2"	.7	20			
C44-12	1/2"	5/8"	.8	16			
* ♦ C44-13	1/2"	3/4"	.8	16			
*C44-14	1/2"	1"	.9	14			
C44-22	5/8"	5/8"	1.0	14			
* C44-23	5/8"	3/4"	1.0	14			
♦C44-33	3/4"	3/4"	.9	14			
◆C44-34	3/4"	1"	.9	12			
C44-35	3/4"	1-1/4"	1.7	-			
C44-44	1"	1"	1.2	10			
C44-45	1"	1-1/4"	1.4	10			
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	5			
C44-66	1-1/2"	1-1/2"	3.0	8			
C44-67	1-1/2"	2"	3.5	2			
◆C44-77	2"	2"	4.5	6			
C44-88	2-1/2"	2-1/2"	7.1	3			
	ELL	COUPLINGS					
◆L44-33	3/4"	3/4"	1.0	12			
L44-34	3/4"	1"	1.1	10			
◆L44-44	1"	1"	1.4	6			
L44-55	1-1/4"	1-1/4"	2.1	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							

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.

 * Grip Joint option is available on larger side (3/4" or 1"), Pack Joint nut on the other side.

† Uses Ballcorp style Pack Joint Nut.

For Male Iron Pipe Thread

	I UI IVIAIC	I OII FIPE I	Incau						
CATALOG	DESCR	IPTION	APPROX.	STD. PKG.					
NUMBER	MALE IRON PIPE	P.J. FOR CTS	WT. LBS.	QTY.					
	STRAIGHT COUPLINGS								
C84-11	1/2"	1/2"	.5	35					
C84-12	1/2"	5/8"	.6	25					
C84-13	1/2"	3/4"	.6	25					
C84-31	3/4"	1/2"	.5	30					
C84-32	3/4"	5/8"	.6	20					
C84-33	3/4"	3/4"	.6	20					
C84-34	3/4"	1"	.7	18					
C84-42	1"	5/8"	.7	-					
C84-43	1"	3/4"	.7	20					
◆ C84-44	1"	1"	.9	14					
C84-45	1"	1-1/4"	1.3	8					
C84-46	1"	1-1/2"	1.8	5					
C84-54	1-1/4"	1"	1.1	-					
C84-55	1-1/4"	1-1/4"	1.4	8					
C84-56	1-1/4"	1-1/2"	1.8	5					
C84-66	1-1/2"	1-1/2"	2.1	8					
C84-67	1-1/2"	2"	2.6	4					
C84-77	2"	2"	3.1	4					
	ELL	COUPLINGS							
L84-11-Q	1/2"	1/2"	.6	25					
L84-33	3/4"	3/4"	.8	15					
L84-34	3/4"	1"	.8	12					
◆ 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 COUPLIN							
LA84-33	3/4"	3/4"	.6	15					
LA84-44	1"	1"	.8	12					
Grip Joir	nt for CTS (3/4" -	2") is available.	Add "-G" to	o the					

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



C14-44-Q Above photo shows Quick Joint Nut option.

	For Female Iron Pipe Thread						
CATALOG	DESCRIP		APPROX.	STD. PKG.			
NUMBER	FEMALE IRON PIPE	P.J. FOR CTS	WT. LBS.	QTY.			
	STRAIGH	IT COUPLING	S				
♦ C14-11	1/2"	1/2"	.5	36			
C14-12	1/2"	5/8"	.5	-			
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"	1.2	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	10			
♦ 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"	2.9	3			
♦ C14-87	2-1/2"	2"	4.6	-			
C14-88	2-1/2"	2-1/2"	5.4	2			
		COUPLINGS					
L14-11-Q	1/2"	1/2"	.7	-			
L14-33	3/4"	3/4"	.9	16			
◆ L14-43	1"	3/4"	.9	-			
♦ L14-44	1"	1"	1.7	8			
L14-54	1-1/4"	1"	1.5	8			
L14-66	1-1/2"	1-1/2"	3.3	2			
◆ L14-77	2"	2"	6.7	-			
		END COUPLIN	IGS				
LA14-33	3/4"	3/4"	.8	-			
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	-			
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	DESCRIP	TION	APPROX.	STD. PKG.		
NUMBER	FLARE COPPER	P.J. FOR CTS	WT. LBS.	QTY.		
STRAIGHT COUPLINGS						
C24-13	1/2"	3/4"	.7	-		
C24-33	3/4"	3/4"	1.0	14		
C24-34	3/4"	1"	1.0	12		
C24-44	1"	1"	1.6	10		
C24-45	1"	1-1/4"	1.9	-		
ELL COUPLINGS						
L24-33	3/4"	3/4"	1.1	14		
L24-44	1"	1"	1.5	-		

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	DESCRIPT	ION	APPROX.	STD. PKG.	
NUMBER	FEMALE COP. THRD	P.J. FOR CTS	WT. LBS.	QTY.	
	STRAIGHT	COUPLINGS			
C04-23	5/8"	3/4"	.7	20	
C04-33	3/4"	3/4"	.7	20	
C04-34	3/4"	1"	.7	18	
◆ C04-43	1"	3/4"	1.0	14	
◆ C04-44	1"	1"	1.0	12	
C04-45	1"	1-1/4"	1.4	10	
◆ C04-54	1-1/4"	1"	1.1	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"	4.4	2	
		UPLINGS			
L04-33	3/4"	3/4"	.9	15	
L04-34	3/4"	1"	.9	10	
L04-44	1"	1"	1.3	8	
L04-45	1"	1-1/4"	1.7	-	
L04-66	1-1/2"	1-1/2"	3.5	2	
L04-77	2"	2"	6.5	2	
	ELL COUPLING			1	
L04-33S	3/4"	3/4"	1.1	12	
L04-44S	1"	1"	1.4	8	
	EIGHTH BEN	ID COUPLING	iS		
LA04-33	3/4"	3/4"	.7	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	
	IGHTH BEND COU			45	
◆ LA04-33S	3/4"	3/4"	.9	15	
LA04-44S	1"	1"	1.2	8	
LA04-66S	<u>1-1/2"</u> 2'	1-1/2" 2"	4.1	-	
LA04-77S			6.5	-	
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 for Polyethylene Pipe (PEP)





DESCRIPTION CATALOG APPROX. STD. PKG. NUMBER P.J. FOR PEP P.J. FOR PEP WT. LBS. QTY. STRAIGHT COUPLINGS C66-33 3/4" 3/4" 1.3 10 C66-34 3/4" 1" 1.5 6 C66-44 1 2.2 4 ٠ 1 C66-55 1-1/4' 1-1/4' 2.7 4 C66-66-IDR7 4.6 1-1/2' 1-1/2' 5 C66-77-IDR7 6.8 6 **ELL COUPLINGS** L66-33 3/4" 3/4" 1.4 8 2.3 5.0 L66-44 1" 1" 5 L66-66-IDR7 1-1/2" 1-1/2' -L66-77-IDR7 2 2' 2' 8.2

For Plastic Pipe (PEP) Both Ends

	For Male Iron Pipe Thread						
[CATALOG	DESCRI	PTION	APPROX.	STD. PKG.		
	NUMBER	MALE IRON PIPE	P.J. FOR PEP	WT. LBS.	QTY.		
		STRAIGHT	COUPLINGS				
•	C86-33	3/4"	3/4"	.8	18		
•	C86-34	3/4"	1"	1.3	10		
•	C86-44	1"	1"	1.4	12		
	C86-54	1-1/4"	1"	1.5	8		
	C86-55	1-1/4"	1-1/4"	1.6	5		
	C86-65	1-1/2"	1-1/4"	1.8	5		
	C86-66-IDR7	1-1/2"	1-1/2"	2.6	3		
	C86-77-IDR7	2"	2"	5.0	5		
			UPLINGS				
	L86-33	3/4"	3/4"	.9	14		
	L86-44	1"	1"	1.5	-		
	L86-77-IDR7	2"	2"	4.9	2		
		EIGHTH BEN	ID COUPLING	S			
	LA86-44	1"	1"	1.5	-		

Grip Joint for CTS (3/4" and 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)







	i of i entale non i pe rinead						
	CATALOG	DESCRIF	PTION	APPROX.	STD. PKG.		
	NUMBER	FEMALE IRON PIPE	P.J. FOR PEP	WT. LBS.	QTY.		
		STRAIGH1	COUPLINGS				
٠	C16-33	3/4"	3/4"	.7	18		
	C16-34	3/4"	1"	1.3	10		
٠	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	-		
	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"	1.0	15		
	L16-44	1"	1"	2.0	5		
	Onim Inimate	OTO (0/41 1 4	IX 1		d		

For Female Iron Pipe Thread

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

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

For Flare Copper					
CATALOG	CATALOG DESCRIPTION			STD. PKG.	
NUMBER	FLARE COPPER	P.J. FOR PE PIPE	WT. LBS.	QTY.	
	STRAIG	HT 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" and 1") is available. Add "-G" to the catalog number.

For female copper thread (replaces flare nut)

Tor remare copper tirread (replaces hare hut)							
CATALOG	DESCRIF	TION	APPROX.	STD. PKG.			
NUMBER	FEMALE COP. THRD	P.J. FOR PEP	WT. LBS.	QTY.			
	STRAIGHT COUPLINGS						
C06-33	3/4"	3/4"	.8	18			
C06-34	3/4"	1"	1.3	10			
C06-43	1"	3/4"	1.0	-			
C06-44	1"	1"	1.4	10			
C06-45	1"	1-1/4"	1.8	-			
C06-55	1-1/4"	1-1/4"	1.8	6			
C06-66-IDR7	1-1/2"	1-1/2"	3.0	3			
C06-77-IDR7	2"	2"	5.2	2			
	ELL C	OUPLINGS					
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	-			
LA06-44	1"	1"	1.7	-			
Grip Joint fo	or CTS (3/4" and 1') is available.	Add "-G" to	the			

Joint for CTS (3/4" and 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)



CATALOG	DESCRIPTION		APPROX.	STD. PKG.			
NUMBER	P.J. FOR PVC PIPE	P.J. FOR PVC PIPE	WT. LBS.	QTY.			
	STRAIGHT COUPLINGS						
C77-11	1/2"	1/2"	.9	-			
C77-33	3/4"	3/4"	1.2	10			
C77-34	3/4"	1"	1.5	8			
C77-44	1"	1"	2.3	5			
C77-55	1-1/4"	1-1/4"	2.9	-			
C77-66	1-1/2"	1-1/2"	3.7	3			
C77-77	2"	2"	5.7	1			
	ELL	COUPLINGS					
L77-11	1/2"	1/2"	1.0	-			
L77-33	3/4"	3/4"	1.5	-			
L77-44	1"	1"	2.3	4			
L77-77	2"	2"	7.9	3			

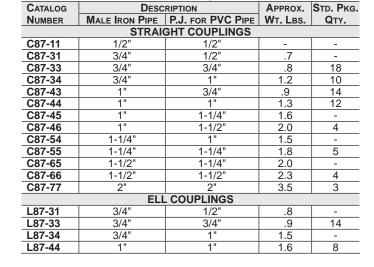
For PVC Pipe (PVC) Both Ends

Pack Joint Couplings Pack Joint for Polyvinyl Chloride Pipe (PVC)

For Male Iron Pipe Thread







For Female Iron Pipe Thread

	I OI I OIIIdi	c non i pe i m	Jua		
CATALOG	DESC	RIPTION	APPROX.	STD. PKG.	
NUMBER	FEMALE IRON PIPE	P.J. FOR PVC PIPE	WT. LBS.	QTY.	
	STRAI	GHT COUPLINGS			
C17-31	3/4"	1/2"	.6	-	
C17-33	3/4"	3/4"	.7	18	
C17-34	3/4"	1"	1.3	10	
C17-36	3/4"	1-1/2"	2.0	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	-	
L17-33	3/4"	3/4"	1.1	-	
L17-44	1"	1"	1.8	-	
L17-66	1-1/2"	1-1/2"	3.7	-	

For Flare Copper

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

For female copper thread (replaces flare nut)

i el lemaie copper anotad (replaced hare har)						
CATALOG	DESCI	APPROX.	STD. PKG.			
NUMBER	FEMALE COP. THRD	P.J. FOR PVC PIPE	WT. LBS.	QTY.		
	STRAI	GHT COUPLINGS				
C07-11	1/2"	1/2"	.7	-		
C07-13	1/2"	3/4"	.7	-		
C07-33	3/4"	3/4"	.8	15		
C07-34	3/4"	1"	1.3	-		
C07-44	1"	1"	1.4	10		
C07-54	1-1/4"	1"	1.6	-		
C07-55	1-1/4"	1-1/4"	1.8	-		
C07-66	1-1/2"	1-1/2"	2.8	4		
C07-77	2"	2"	4.4	3		





Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe only.

Pack Joint Couplings Pack Joint for Iron Pipe



For Iron Pipe Both Ends					
CATALOG	Descr	IPTION	APPROX.	STD. PKG.	
NUMBER	P.J. FOR IRON PIPE	P.J. FOR IRON PIPE	WT. LBS.	QTY.	
	STRAIG	HT COUPLINGS			
C55-11	1/2"	1/2"	.8	-	
C55-13	1/2"	3/4"	.8	-	
C55-33	3/4"	3/4"	.9	15	
C55-34	3/4"	1"	1.2	-	
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	-	
C55-77	2"	2"	4.2	2	
ELL COUPLINGS					
L55-11	1/2"	1/2"	.7	-	
L55-33	3/4"	3/4"	1.1	-	
L55-44	1"	1"	-	-	



CATALOG	DESCR		APPROX.	STD. PKG.	
NUMBER	MALE IRON PIPE	P.J. FOR IRON PIPE	WT. LBS.	QTY.	
	STRAIG	HT COUPLINGS			
C85-11	1/2"	1/2"	.5	30	
C85-31	3/4"	1/2"	.6	-	
C85-33	3/4"	3/4"	.7	20	
C85-34	3/4"	1"	1.0	14	
C85-43	1"	3/4"	.7	-	
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"	2.0	5	
C85-77	2"	2"	2.6	3	
ELL COUPLINGS					
L85-31	3/4"	1/2"	.5	-	
L85-33	3/4"	3/4"	.7	-	
L85-44	1"	1"	1.3	-	

For Male Iron Pipe Thread



For Female Iron Pipe Thread

i of i enhale iron i pe i nead					
CATALOG	Descr	IPTION	APPROX.	STD. PKG.	
NUMBER	FEMALE IRON PIPE	P.J. FOR IRON PIPE	WT. LBS.	QTY.	
	STRAIG	HT COUPLINGS			
C15-31	3/4"	1/2"	.5	25	
C15-33	3/4"	3/4"	.6	25	
C15-34	3/4"	1"	1.0	-	
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	-	
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



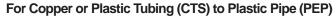
For Flare Copper					
CATALOG	DESCR	IPTION	APPROX.	STD. PKG.	
NUMBER	FLARE COPPER	P.J. FOR IRON PIPE	WT. LBS.	QTY.	
	STRAIG	HT COUPLINGS			
C25-11	1/2"	1/2"	.6	-	
C25-31	3/4"	1/2"	.9	-	
C25-33	3/4"	3/4"	1.0	14	
C25-34	3/4"	1"	1.5	10	
C25-44	1"	1"	1.7	8	
C25-45	1"	1-1/4"	1.9	-	
ELL COUPLINGS					
L25-33	3/4"	3/4"	1.0	12	



For female copper thread (replaces flare nut)

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

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



	CATALOG	DESCR	IPTION	APPROX.	STD. PKG.
	NUMBER	P.J. FOR CTS	P.J. FOR PE PIPE	WT. LBS.	QTY.
		STRAIG	HT COUPLINGS		
•	C46-33	3/4"	3/4"	1.0	12
	C46-34	3/4"	1"	1.5	6
•	C46-43	1"	3/4"	1.1	10
	C46-44	1"	1"	1.5	10
	C46-65	1-1/2"	1-1/4"	2.8	4
		ELL	COUPLINGS		
	L46-33	3/4"	3/4"	1.1	10
	L46-44	1"	1"	1.9	-
	Grip Joint	for CTS or PEP (3/	4" and 1" only) is a	vailable. Ad	dd "-G" to

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)

	Lot Cobb			г 🗸 с гір	e (FVC)
	CATALOG	Descr	IPTION	APPROX.	STD. PKG.
	NUMBER	P.J. FOR CTS	P.J. FOR PVC PIPE	WT. LBS.	QTY.
		STRAIG	HT COUPLINGS		
	C47-11	1/2"	1/2"	-	-
	C47-31	3/4"	1/2"	.9	-
•	C47-33	3/4"	3/4"	1.0	12
	C47-34	3/4"	1"	1.6	8
	C47-43	1"	3/4"	1.1	10
	C47-44	1"	1"	1.6	10
	C47-45	1"	1-1/4"	2.2	-
	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

 L47-33
 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"



C45-13
C45-31
♦ C45-33
C45-34
C45-43
C45-44
C45-45
C45-66
C45-77

C56-33



For Copper or Plastic Tubing (CTS) to Iron Pipe

	CATALOG	DESCR	RIPTION	APPROX.	STD. PKG.
	NUMBER	P.J. FOR CTS	P.J. FOR IRON PIPE	WT. LBS.	QTY.
		STRAIG	HT COUPLINGS		
	C45-11	1/2"	1/2"	.7	20
	C45-13			.9	15
	C45-31	3/4"	1/2"	.8	16
٠	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	8
	C45-45	1"	1-1/4"	1.6	6
	C45-66	1-1/2"	1-1/2"	3.0	-
	C45-77	2"	2"	4.2	-
		ELL	COUPLINGS		
	L45-33	3/4"	3/4"	1.0	12
	L45-34	3/4"	1"	1.6	-
	L45-43	1"	3/4"	1.2	-
	L45-44	1"	1"	1.6	6

Grip Joint for CTS (3/4" - 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	DESCR	IPTION	APPROX.	STD. PKG.			
NUMBER	P.J. FOR IRON PIPE	P.J. FOR PE PIPE	WT. LBS.	QTY.			
STRAIGHT COUPLINGS							
C56-33	3/4"	3/4"	1.0	12			
C56-34	3/4"	1"	1.2	10			
C56-44	P.J. FOR IRON PIPE P.J. FOR PE PIPE WT. Le STRAIGHT COUPLINGS 3/4" 3/4" 1.0 3/4" 1" 1.2	1.9	-				
000 11			1.0				

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

	For Iron Pipe	e to PVC Pipe (PVC)				
CATALOG	DESCR	IPTION	APPROX.	STD. PKG.			
NUMBER	P.J. FOR IRON PIPE	P.J. FOR PVC PIPE	WT. LBS.	QTY.			
	STRAIGHT COUPLINGS						
C57-11	1/2"	1/2"	-	-			
C57-33	3/4"	3/4"	1.0	-			
C57-34	3/4"	1"	1.5	10			
C57-44	1"	1"	1.9	-			
C57-66	1-1/2"	1-1/2"	3.0	-			

Ear Iron Ding to DVC Ding (DVC)

Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe only.

Pack Joint for PE Pipe to PVC Pipe (PVC)

	NUMBER P.J. FOR PE PIPE P.J. FOR PVC PIPE WT. LBS. QTY. STRAIGHT COUPLINGS C67-33 3/4" 3/4" - -						
CATALOG	DESCR	IPTION	APPROX.	STD. PKG.			
NUMBER	P.J. FOR PE PIPE	P.J. FOR PVC PIPE	WT. LBS.	QTY.			
	STRAIGHT COUPLINGS						
C67-33	3/4"	3/4"	-	-			
C67-44	1"	1"	2.2	-			

Grip Joint for PEP (3/4" and 1") is available. Add "-G" to the catalog number. Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe only.

Pack Joint "Y's"

CATALOG	Desc	RIPTION	APPROX.	STD. PKG.
NUMBER	SINGLE BRANCH END	MULTI-BRANCH END	WT. LBS.	QTY.
¥44-233	3/4" cop. or plas. tubing (CTS)	Two 3/4" cop. or plas. tubing (CTS)	1.6	5
¥44-243	1" cop. or plas. tubing (CTS)	Two 3/4" cop. or plas. tubing (CTS)	1.6	4
Y44-254	1-1/4" cop. or plas. tubing (CTS)	Two 1" cop. or plas. tubing (CTS)	2.9	-
Y44-263	1-1/2" cop. or plas. tubing (CTS)	Two 3/4" cop. or plas. tubing (CTS)	3.1	2
¥44-264	1-1/2" cop. or plas. tubing (CTS)	Two 1" cop. or plas. tubing (CTS)	3.1	2
¥44-274	2" cop. or plas. tubing (CTS)	Two 1" cop. or plas. tubing (CTS)	3.7	2
¥48-234	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)	2.4	-
Y48-347	2" male iron pipe thread	Three 1" cop. or plas. tubing (CTS)	4.3	4
Y66-243	1" PE pipe P.J.	Two 3/4" PE pipe P.J.	3.0	2
Y68-337	2" male iron pipe thread	Three 3/4" PE pipe P.J.	4.5	1

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

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

Y44-243

Pack Joint Couplings Pack Joint Tees



T444-333





T884-333

Pack Joint Tees

		Pac	K JOI	nt lees			
	CATALOG		SCRIPT	ION	APPROX.	STD. PKG.	
	NUMBER		Х	SIDE OUTLET	WT. LBS.	QTY.	
		PACK JOINT BOTH ENDS (RUN)	BY PACK JOINT SIDE OUTLET			
•	T444-333	3/4" cop. or plas. tubing (CTS)	х	3/4" cop. or plas. tubing (CTS)	1.5	6	
•	T444-334	3/4" cop. or plas. tubing (CTS)	х	1" cop. or plas. tubing (CTS)	1.6	4	
	T444-443	1" cop. or plas. tubing (CTS)	х	3/4" cop. or plas. tubing (CTS)	1.8	4	
•	T444-444	1" cop. or plas. tubing (CTS)	х	1" cop. or plas. tubing (CTS)	2.0	4	
	T444-445	1" cop. or plas. tubing (CTS)	х	1-1/4" cop. or plas. tubing (CTS)	2.3	-	
	T444-446	1" cop. or plas. tubing (CTS)	х	1-1/2" cop. or plas. tubing (CTS)	2.8	3	
	T444-666	1-1/2" cop. or plas. tubing (CTS)	х	1-1/2" cop. or plas. tubing (CTS)	4.8	4	
		2" cop. or plas. tubing (CTS)	х	1" cop. or plas. tubing (CTS)	-	-	
+	T444-777	2" cop. or plas. tubing (CTS)	х	2" cop. or plas. tubing (CTS)		1	
	T446-444	1" cop. or plas. tubing (CTS)	х	1" PE pipe P.J.	2.3	-	
			х		2.6	-	
			Х	3/4" PE pipe P.J.			
			Х		-		
,	T777-444				3.8	-	
			DS (R				
			Х			-	
			х	1 1		-	
٠			х				
	T441-663	1-1/2" cop. or plas. tubing (CTS)	х	3/4" female iron pipe	3.3		
	T441-664	1-1/2" cop. or plas. tubing (CTS)	х	1" female iron pipe	3.3		
			х				
						4	
CATALOG DESCRIPTION APPROX. STD. PKG QTY. PACK JOINT BOTH ENDS (RUN) X SIDE OUTLET WT. LBS. QTY. * 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 1" cop. or plas. tubing (CTS) 2.0 4 * T444-444 1" cop. or plas. tubing (CTS) x 1-1/2" cop. or plas. tubing (CTS) 2.0 4 * T444-444 1" cop. or plas. tubing (CTS) x 1-1/2" cop. or plas. tubing (CTS) 2.3 - * T444-446 1" cop. or plas. tubing (CTS) x 1-1/2" cop. or plas. tubing (CTS) 2.8 3 * T444-446 1" cop. or plas. tubing (CTS) x 1-1/2" cop. or plas. tubing (CTS) 2.3 - * T444-666 1-1/2" cop. or plas. tubing (CTS) x 1" cop. or plas. tubing (CTS) 2.3 -							
						-	
,	T440-774				5.0	4	
			<u>DS (R</u>				
•						-	
,						-	
•					-		
٠,							
	T444-777 2" cop. or plas. tubing (CTS) x 2" cop. or plas. tubing (CTS) x 1" PE pipe PJ. 2.3 T446-444 1" cop. or plas. tubing (CTS) x 1" PE pipe PJ. 2.6 - T666-333 3/4" PE pipe P.J. x 3/4" PE pipe P.J. 2.6 - T666-434 1" PE pipe P.J. x 3/4" PE pipe P.J. 2.5 4 T666-434 1" PE pipe P.J. x 3/4" PC pipe P.J. 2.9 4 T666-444 1" PE pipe P.J. x 3/4" PC pipe P.J. 2.9 4 T666-444 1" PE pipe P.J. x 3/4" PC pipe P.J. 2.0 - T777-333 3/4" PVC pipe P.J. x 1" PVC pipe P.J. 2.0 - T777-444 1" Cop. or plas. tubing (CTS) x 3/4" PC pipe P.J. 2.0 - T441-333 3/4" cop. or plas. tubing (CTS) x 3/4" female iron pipe 1.3 - T441-663 1-1/2" cop. or plas. tubing (CTS) x 3/4" female iron pipe 3.3 4 T441-774 2" cop. or plas. tubing (CTS) x 3/4" female iron pipe 5.1 </th						
	-				2.6	<u> </u>	
	Grin loint for Cl	IS or PEP (3/4" and 1") is available	Add "	-G" to the catalog number			

Grip Joint for CTS or PEP (3/4" and 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 watertight.

† Uses Ballcorp style Pack Joint Nut.

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 stainless steel set screws (for iron pipe) or stainless steel clamp screws (for copper tube or tube-size plastic, or for iron pipe size plastic).







TD441-333 Side Outlet Female Iron Pipe Thread



TD448-333

Side Outlet Male Iron Pipe Thread

Cut-In Tees with De	tachable Pack Joints
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CATALOG	Des	CRIPT	ON	APPROX.	STD. PKG.
NUMBER	BOTH ENDS (RUN)	Х	SIDE OUTLET	WT. LBS.	QTY.
	SIDE OUTLE	T FOF	R FLARE COPPER		
+ TD442-113	1/2" cop. or plas. tubing (CTS) P.J.	Х	3/4" flare copper	2.2	-
TD552-113	1/2" iron pipe P.J.	х	3/4" flare copper	2.0	-
 TD442-333 	3/4" cop. or plas. tubing (CTS) P.J.	х	3/4" flare copper	2.2	1
TD552-333	3/4" iron pipe P.J.	х	3/4" flare copper	2.1	1
TD442-443	1" cop. or plas. tubing (CTS) P.J.	х	3/4" flare copper	2.5	1
NUMBER BOTH I • TD442-113 1/2" cop. or pla TD552-113 1/2" irc • TD442-333 3/4" cop. or pla TD552-333 3/4" irc TD442-443 1" cop. or plas TD552-443 1" ircor * TD002 less P.J. * TD441-113 1/2" cop. or plas TD551-113 1/2" irc * TD441-333 3/4" cop. or plas TD551-113 1/2" irc * TD441-443 1" cop. or plas TD551-333 3/4" irc TD551-13 1/2" irc * TD441-443 1" cop. or plas TD551-333 3/4" irc TD551-333 3/4" irc TD558-113 1/2" irc * TD448-113 1/2" cop. or plas TD558-333 3/4" irc TD558-333 3/4" irc TD558-333 3/4" irc TD448-443 1" cop. or plas TD558-443 1" ircor * TD448-443 1" cop. or plas TD558-333 S/4" irc	1" iron pipe P.J.	х	3/4" flare copper	3.1	-
* TD002	less P.J. assemblies	х	3/4" flare copper	.8	-
	SIDE OUTLET FOR FEMALE IRON PIPE THREADS 441-113 1/2" cop. or plas. tubing (CTS) P.J. x 3/4" female iron pipe threads				
+ TD441-113	1/2" cop. or plas. tubing (CTS) P.J.	х	3/4" female iron pipe threads	1.6	-
TD551-113	1/2" iron pipe P.J.	х	3/4" female iron pipe threads	1.5	-
TD441-333	3/4" cop. or plas. tubing (CTS) P.J.	х	3/4" female iron pipe threads	1.7	6
TD551-333	3/4" iron pipe P.J.	х	3/4" female iron pipe threads	1.6	1
TD441-443	1" cop. or plas. tubing (CTS) P.J.	х	3/4" female iron pipe threads	1.8	-
TD551-443	1" iron pipe P.J.	х	3/4" female iron pipe threads	2.6	-
* TD001	less P.J. assemblies	х	3/4" female iron pipe threads	.6	-
	SIDE OUTLET FOR		E IRON PIPE THREADS		
• TD448-113	1/2" cop. or plas. tubing (CTS) P.J.	х	3/4" male iron pipe threads	1.8	1
TD558-113	1/2" iron pipe P.J.	х	3/4" male iron pipe threads	-	-
TD448-333	3/4" cop. or plas. tubing (CTS) P.J.	х	3/4" male iron pipe threads	1.8	6
TD558-333	3/4" iron pipe P.J.	х	3/4" male iron pipe threads	1.8	1
TD448-443	1" cop. or plas. tubing (CTS) P.J.	Х	3/4" male iron pipe threads	2.1	1
TD558-443	1" iron pipe P.J.	Х	3/4" male iron pipe threads	2.8	-
* TD008	less P.J. assemblies	Х	3/4" male iron pipe threads	.8	-
* To purchas	e Pack Joint Assemblies for PET. PE	EP. PV	C and iron pipe, refer to section	B under P	ack Joint

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

Lead-Pak Couplings

CATALOG NUMBER	DE	SCRIP	TION	APPROX. WT. LBS.	STD. PI QTY.
	LEAD PIPE TO FEMAL	EIR	ON PIPE THREAD		
044 02 024 42	Image Discretion Wr. Las. Q 11-23-Q31-13 1/2" dbl. extra strong lead (XS) x 3/4" female iron pipe thread 8 1 12-23 (C16-33) 5/8" strong lead (XS) x 3/4" female iron pipe thread 7 1 11-33-Q31-23 of 3/4" strong lead (XS) x 3/4" female iron pipe thread 7 1 21-33 3/4" extra strong lead (XS) x 3/4" female iron pipe thread 1.0 1 31-33 3/4" extra strong lead (XS) x 3/4" female iron pipe thread 1.2 1.2 21-34 11/2" extra strong lead (XS) x 3/4" solder fit. copper tubing 6 1.2 1.2 21-44 11/2" extra strong lead (XS) x 3/4" solder fit. copper tubing 6 1.2 1.2 1.2 1.2 1.2 1.2 1.3 1.2 1.3 1.2 1.3 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.3 1.2 1.3 1.3 1.2 1.2		40		
Q11-23-Q31-13	or 5/8" strong lead (S)	х	3/4" remaie iron pipe thread	.8	18
Q21-23 (C16-33)	LEAD PIPE TO FEMALE IRON PIPE THREAD 131-13 1/2" dbl. extra strong lead (XSS) of 5/8" estrong lead (XS) strang lead (S) 3/4" female iron pipe thread of 3/4" strong lead (XS) 131-23 5/8" dbl. extra strong lead (XS) of 3/4" strang lead (XS) 3/4" female iron pipe thread 3/4" estra strong lead (XS) 131-23 5/8" dbl. extra strong lead (XS) 3/4" female iron pipe thread 1" extra strong lead (XS) 14 2/4" strang lead (XS) 3/4" female iron pipe thread 1" extra strong lead (XS) 1/2" dbl. extra strong lead (XS) 3/4" solder fit. copper tubing 5/8" extra strong lead (XS) 3/4" solder fit. copper tubing 0" 5/8" strong lead (XS) 1/2" dbl. extra strong lead (XS) 3/4" solder fit. copper tubing 1" strong lead (S) 3/4" solder fit. copper tubing 1" strong lead (XS) 3/4" extra strong lead (XS) 1" solder fit. copper tubing 1" strong lead (S) 1" solder fit. copper tubing 1" strong lead (S) 0/4" extra strong lead (XS) 1" solder fit. copper tubing 1" strong lead (XS) 1/2" extra strong lead (XS) 0/4" astrong lead (XS) 1" solder fit. copper tubing 1" strong lead (XS) 1/2" dbl. extra strong lead (XS) 0/4" extra strong lead (XS) 1/2" extra strong lead (XS) 1/2" dbl. extra strong lead (XS) 0/4" astrong lead (XS) 1/2" dbl. extra strong lead (XS) 1/2" extr	.7	18		
011-33-031-23		¥	3/4" female iron nine thread	7	20
Q21-33					14
Q31-33					10
Q21-44				1.5	10
026.12				6	-
Q23-15		X			-
Q1S-23-Q3S-13		Х	3/4" solder fit. copper tubing	.9	-
Q2S-23	5/8" extra strong lead (XS)	x	3/4" solder fit copper tubing	9	-
Q1S-33-Q3S-23		Х	3/4" solder fit. copper tubing	.8	-
Q2S-33		х	3/4" solder fit. copper tubing	1.3	-
Q1S-44				1.5	-
Q2S-44-AWT	1" extra strong lead (XS)	Х	1" solder fit. copper tubing	1.3	10
Q3S-44-AWT				1.2	10
		OLE			
Q2Q2-11 (C44-33)		Х		.9	14
0101-22-0303-11		х		1.3	-
Q2Q2-22 (C66-33)		Х		1.2	10
Q1Q1-33-Q3Q3-22		х		1.0	12
	3/4" extra strong lead (XS)				6
					4
					6
					6
					4
				-	5
Q24-13 (C44-33)				.9	14
Q14-22					-
Q14-23-Q34-13		х	· · · · · · · · ·	1.0	12
Q24-23 (C46-33)	5/8" extra strong lead (XS)	Х	3/4" cop. or plastic tubing (CTS)	1.0	12
Q24-24 (C46-43)	5/8" extra strong lead (XS)	Х			10
Q34-24		Х	1" cop. or plastic tubing (CTS)	1.2	12
Q14-33-Q34-23	or 3/4" strong lead (S)	х			12
Q24-33	3/4" extra strong lead (XS)	х			12
Q24-34		х			-
Q34-33		Х			6
Q24-43					8
Q34-43				1	8
Q14-44					6
					6
Q34-44					6
				1	4
	<u> </u>				6
SZ7711				0.3	3
026-13 (046-33)				10	12
					10
Q36-23	<u> </u>				12
Q36-33					8
Q36-34				-	4
			C.E.e		

* 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.

** This item is not one piece, it is two pieces assembled water tight.

Lead-Pak Couplings (continued) Lead-Pak Couplings for attaching Copper, Iron, Plastic or PVC

to existing lead service lines

Lead-Pak Couplings

CATALOG NUMBER	Des	SCRIPTI	ON	APPROX. WT. LBS.	STD. PKG. QTY.
	LEAD PIPE TO MAL	E IRO	N PIPE THREAD		
Q28-13 (C84-33)	1/2" extra strong lead (XS)	х	3/4" male iron pipe threads	.6	20
* Q18-23-Q38-13	1/2" dbl. extra strong lead (XXS) or 5/8" strong lead (S)	х	3/4" male iron pipe threads	.7	18
Q28-23 (C86-33)	5/8" extra strong lead (XS)	х	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)	х	3/4" male iron pipe threads	.7	18
Q28-33	3/4" extra strong lead (XS)	х	3/4" male iron pipe threads	1.0	14
Q38-33	3/4" dbl. extra strong lead (XXS)	х	3/4" male iron pipe threads	1.4	10
Q18-44	1" strong lead (S)	х	1" male iron pipe threads	1.6	8
Q28-44	1" extra strong lead (XS)	х	1" male iron pipe threads	1.5	8
Q38-44	1" dbl. extra strong lead (XXS)	х	1" male iron pipe threads	1.3	8
Q28-55 (C86-55)	1-1/4" extra strong lead (XS)	х	1-1/4" male iron pipe threads	1.6	5
Q28-66 (C86-66-IDR7)	1-1/2" extra strong lead (XS)	х	1-1/2" male iron pipe threads	2.7	3
Q28-77	2" extra strong lead (XS)	х	2" male iron pipe threads	4.8	5
	LEAD PIPE TO	FLAR	E COPPER		
Q22-13 (C24-33)	1/2" extra strong lead (XS)	х	3/4" flare copper	1.0	14
* Q12-23-Q32-13	1/2" dbl. extra strong lead (XXS) or 5/8" strong lead (S)	х	3/4" flare copper	1.1	12
Q22-23 (C26-33)	5/8" extra strong lead (XS)	х	3/4" flare copper	1.0	12
Q22-24	5/8" extra strong lead (XS)	х	1" flare copper	1.5	8
Q12-33-Q32-23	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	х	3/4" flare copper	1.4	12
Q22-33	3/4" extra strong lead (XS)	х	3/4" flare copper	1.4	12
Q32-33	3/4" dbl. extra strong lead (XXS)	Х	3/4" flare copper	1.7	8
* Q12-34-Q32-24	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	х	1" flare copper	1.6	6
Q22-34	3/4" extra strong lead (XS)	Х	1" flare copper	1.7	10
Q12-44	1" strong lead (S)	Х	1" flare copper	2.2	5
Q22-44	1" extra strong lead (XS)	Х	1" flare copper	2.1	5
Q32-44	1" dbl. extra strong lead (XXS)	х	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 couplings are not compatible with lead pipe.





Q1Q1-33-Q3Q3-22

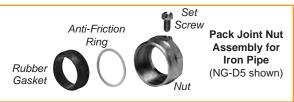


LEAD PIPE DIMENSIONS					
SIZE (I.D.) AND TYPE	APPROX. AVG.				
OF LEAD PIPE	SIZE O.D.				
1/2" Extra Strong	.876				
1/2" Double Extra Strong	1.012				
5/8" Strong	1.019				
5/8" Extra Strong	1.082				
5/8" Double Extra Strong	1.137				
3/4" Strong	1.156				
3/4" Extra Strong	1.212				
3/4" Double Extra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

Compression Nuts and Parts



			-	^ /
D I	NUT & GASKET	BEVELED	PLASTIC	CLAMP /
PACK JOINT	ASSEMBLY	RUBBER	Anti-	Set
NUT SIZE	COMPLETE	GASKET ONLY	FRICTION	SCREW
AND TYPE			Ring	CATALOG
	CATALOG NO.	CATALOG NO.	CATALOG NO.	No.
COPF	PER OR PLAST			
1/2"	NG-AA4	GT-1	FR-A	CS-A
5/8"	NG-B4	GT-24	FR-A-5	CS-A
	NG-D4	01-24	TIN-A-J	00-A
3/4"	-	GT-1-5	FR-A-5	CS-A
	(box qty. 50)			
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-JJJ4	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
£ 1/£		PIPE SIZE	110	00-0
4 /0!				00.4
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-M	SS-C
	PF PI	PE SIZE		
3/4"	NG-D6	GT-3	FR-D	CS-A
3/4" (Corp/	NG-D0	01-5		C3-A
	NG-DD6	GT-4	FR-E	CS-A
BallCorp)				
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
-				00 5
1/2"		GT-1-5		CS-A
3/4"	NG-A7		FR-A-5	
	NG-D7	GT-3	FR-D	CS-A
3/4" (Corp/BallCorp)	NG-DD7	GT-4	FR-E	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-M	CS-B
	NG-KK7	GT-31	FR-R	CS-B
2" (BallCorp)			FR•K	C3-D
4 (011)/ 0	1			00.1
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-FFFX	GT-13	FR-G	CS-A
<u>1-1/4"S</u>	NG-H7	GT-15	FR-H	CS-A
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





GRIP JOINT NUT SIZE AND TYPE	NUT, GASKET & GRIPPER ASSEMBLY COMPLETE CATALOG NO.	BEVELED RUBBER GASKET ONLY CATALOG NO.	Nylon Washer Catalog No.	GRIPPER Ring Only CATALOG NO.
COF	PER OR P	LASTIC	TUBING (CTS)
3/4"	GJN4-3 (box qty. 50)	GT-1-5	FG-AAT	GJNGR4-3
1"	GJN4-4	GT-5	FG-FFT	GJNGR4-4
1" (Corp/ BallCorp)	GJCN4-4	GT-7	FG-GG	GJNGR4-4
1-1/4"	GJN4-5	GT-10	FG-HH	GJNGR6-4
1-1/4" (BallCorp)	GJCN4-5	GT-10-5	FG-JJ	GJNGR6-4
1-1/2"	GJN4-6	GT-14	FG-RR	GJNGR4-6
1-1/2" (BallCorp)	GJCN4-6	GT-28	FG-SS	GJNGR4-6
2"	GJN4-7	GT-17	FG-TT	GJNGR4-7
2" (BallCorp)	GJCN4-7	GT-25	FG-VV	GJNGR4-7
		PE PIPE		
3/4"	GJN6-3	GT-3	FG-FF	GJNGR6-3
3/4" (Corp/ BallCorp)	GJCN6-3	GT-4	FG-GG	GJNGR6-3
1"	GJN6-4	GT-10	FG-HH	GJNGR6-4
1" (Corp/ BallCorp)	GJCN6-4	GT-10-5	FG-JJ	GJNGR6-4



QUICK JOINT NUT SIZE AND TYPE	NUT, GASKET & GRIPPER ASSEMBLY COMPLETE CATALOG NO.	GASKET AND GRIPPER RING ASSEMBLY CATALOG NO.				
COPPEI	R OR PLASTIC T	UBING (CTS)				
1/2"	QJN4-1	QJNGA4-1				
3/4"	QJN4-3	QJNGA4-3				
1"	QJN4-4	QJNGA4-4				
1-1/4"	QJN4-5	QJNGA4-5				
1-1/2"	QJN4-6	QJNGA4-6				
2"	QJN4-7	QJNGA4-7				
	PE PIPE					
3/4"	QJN6-3	QJNGA6-3				
1"	QJN6-4	QJNGA6-4				

Flared Copper Couplings Female Iron Pipe Thread and Male Iron Pipe Thread



For Female Iron Pipe Thread						
CATALOG	Desc	RIPTION	APPROX.	STD. PKG.		
NUMBER	FLARE COPPER	FLARE COPPER FEMALE IRON PIPE		QTY.		
	STRA	IGHT COUPLINGS				
C21-11	1/2"	1/2"	.4	50		
C21-23	5/8"	3/4"	.5	25		
C21-31	3/4"	1/2"	.5	25		
C21-33	3/4"	3/4"	.7	20		
C21-34	3/4"	1"	.8	20		
C21-35	3/4"	1-1/4"	1.0	-		
C21-43	1"	3/4"	1.0	-		
C21-44	1"	1"	1.2	12		
C21-45	1"	1-1/4"	1.2	12		
C21-46	1"	1-1/2"	1.5	-		
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	-		
C21-77	2"	2"	5.0	3		
C21-78	2"	2-1/2"	6.6	-		
		L 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		
L21-78	2"	2-1/2"	7.8	-		
		BEND COUPLING	1			
LA21-33	3/4"	3/4"	.9	18		
LA21-44	1"	1"	1.6	10		



For Male Iron Pipe Thread

CATALOG	DESCR	APPROX.	STD. PKG.	
NUMBER	FLARE COPPER	MALE IRON PIPE	WT. LBS.	QTY.
	STRAIGH	T COUPLINGS		
C28-11	1/2"	1/2"	.4	50
C28-13	1/2"	3/4"	.5	-
C28-21	5/8"	1/2"	-	-
C28-23	5/8"	3/4"	.6	30
C28-31	3/4"	1/2"	.6	25
C28-33	3/4"	3/4"	.7	20
C28-34	3/4"	1"	.8	20
C28-43	1"	3/4"	1.0	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"	1.7	6
C28-65	1-1/2"	1-1/4"	3.0	-
C28-66	1-1/2"	1-1/2"	2.9	4
C28-77	2"	2"	5.2	1
	ELL C	OUPLINGS		
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"	1.1	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 watertight.

*

Flared Copper Couplings Flare Copper to Flare Copper



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

V F	J		5	5/
CATALOG	DESCRIPTION		APPROX.	STD. PKG.
NUMBER	FLARE COPPER	FLARE COPPER	WT. LBS.	QTY.
	STRA			
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



Wedding Ring Only for (2 part) coupling

CATALOG	SIZE AND COUPLING	APPROX.	STD. PKG.
NUMBER	APPLICATIONS	WT. LBS.	QTY.
	WEDDING RING	S	
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

	a copporter			
CATALOG	Desc	RIPTION	APPROX.	STD. PKG.
NUMBER	FLARE COPPER	FLARE COPPER	WT. LBS.	QTY.
	STRA	IGHT COUPLINGS		
C22-11	1/2"	1/2"	.6	30
C22-12	1/2"	5/8"	.8	-
C22-13	1/2"	3/4"	.8	20
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
	EL	L COUPLINGS		
L22-33	3/4"	3/4"	1.2	14
L22-34	3/4"	1"	1.5	-
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





CATALOG	Desc	RIPTIO	N	APPROX.	STD. PKG.
NUMBER	MULTI-BRANCH END	х	SINGLE BRANCH END	WT. LBS.	QTY.
	TWO BRAN	ICH CC	ONNECTIONS		
Y21-246	Two 1" flare cop. conns.	Х	1-1/2" female iron pipe	3.3	2
Y21-247	Two 1" flare cop. conns.	х	2" female iron pipe	4.1	2
Y22-243	Two 3/4" flare cop. conns.	Х	1" flare copper	2.0	5
Y22-246	Two 1" flare cop. conns.	х	1-1/2" flare copper	4.3	2
Y22-247	Two 1" flare cop. conns.	х	2" flare copper	6.0	4
Y28-234	Two 3/4" flare cop. conns.	Х	1" male iron pipe	1.4	8
Y28-246	Two 1" flare cop. conns.	Х	1-1/2" male iron pipe	2.9	4
Y28-247	Two 1" flare cop. conns.	Х	2" male iron pipe	2.9	2
Y88-247	Two 1" male iron pipe conns.	Х	2" male iron pipe	1.6	-
	THREE BRAN	ICH C	ONNECTIONS		
Y21-347	Three 1" flare cop. conns.	х	2" female iron pipe	5.6	1
Y22-346	Three 1" flare cop. conns.	х	1-1/2" flare copper	6.6	-
Y22-347	Three 1" flare cop. conns.	х	2" flare copper	8.6	5
Y28-346	Three 1" flare cop. conns.	х	1-1/2" male iron pipe	5.3	4
Y28-347	Three 1" flare cop. conns.	х	2" male iron pipe	5.3	5

Multi-Service "Y"

CATALOG	DESCRIPTION			APPROX.	STD. PKG.
NUMBER	SINGLE INLET	Х	MULTI-OUTLET	WT. LBS.	QTY.
Y11-474	2" female iron pipe	Х	Four 1" female iron pipe	3.3	3



T882-333



T222-334

Service Tees							
CATALOG	DE	SCRIPTIO	N	APPROX.	STD. PKG.		
NUMBER	BOTH ENDS (RUN)		OUTLET SIDE	WT. LBS.	QTY.		
T111-333	3/4" female iron pipe	Х	3/4" female iron pipe	-	-		
T111-444	1" female iron pipe	х	1" female iron pipe	-	-		
T181-333	3/4" FIP to 3/4" MIP	Х	3/4" female iron pipe	0.7	-		
T181-664	1-1/2" FIP to 1-1/2" MIP	Х	1" female iron pipe	2.2	1		
T181-774	2" FIP to 2" MIP	Х	1" female iron pipe	2.4	1		
T222-113	1/2" flare copper	Х	3/4" flare copper	1.1	10		
T222-333	3/4" flare copper	Х	3/4" flare copper	1.6	8		
T222-334	3/4" flare copper	Х	1" flare copper	2.1	5		
T222-443	1" flare copper	Х	3/4" flare copper	2.4	6		
T222-444	1" flare copper	Х	1" flare copper	2.9	4		
T222-445	1" flare copper	Х	1-1/4" flare copper	3.6	-		
T222-664	1-1/2" flare copper	Х	1" flare copper	5.3	5		
T222-666	1-1/2" flare copper	Х	1-1/2" flare copper	6.8	4		
*T222-774-AWT	2" flare copper	Х	1" flare copper	14.1	2		
T222-777	2" flare copper	Х	2" flare copper	12.5	3		
T228-333	3/4" flare copper	Х	3/4" male iron pipe	1.3	8		
T228-334	3/4" flare copper	Х	1" male iron pipe	1.4	-		
T228-444	1" flare copper	Х	1" male iron pipe	2.2	5		
T282-333	3/4" fl. cop. to 3/4" MIP	Х	3/4" flare copper	1.3	-		
T282-334	3/4" fl. cop. to 3/4" MIP	Х	1" flare copper	1.8	-		
T282-444	1" fl. cop. to 1" MIP	Х	1" flare copper	2.4	-		
T882-333	3/4" male iron pipe	Х	3/4" flare copper	1.0	-		
T882-334	3/4" male iron pipe	Х	1" flare copper	1.3	10		
T882-444	1" male iron pipe	Х	1" flare copper	1.7	-		
T888-333	3/4" male iron pipe	Х	3/4" male iron pipe	0.6	20		
T888-334	3/4" male iron pipe	Х	1" male iron pipe	0.7	10		
T888-444	1" male iron pipe	Х	1" male iron pipe	0.9	10		
T888-445	1" male iron pipe	Х	1-1/4" male iron pipe	1.0	-		
T888-777	2" male iron pipe	х	2" male iron pipe	3.9	-		

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



CATALOG	DESCRIPTION			APPROX.	STD. PKG.
NUMBER	SINGLE INLET	х	MULTI-OUTLET	WT. LBS.	QTY.
T11-663	1-1/2" female iron pipe	х	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 Tee

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Flared Copper Couplings Service Tees and Adapters

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CATALOG				APPROX.	STD. PKG
NUMBER		RIPTIC		WT. LBS.	Q TY.
	COPPER TUBE NUTS WITH MAI				
C08-33	3/4" female copper thread	Х	3/4" male iron pipe	.4	40
C08-43	1" female copper thread	Х	3/4" male iron pipe	.6	20
C08-44	1" female copper thread	Х	1" male iron pipe	.7	20
C08-45	1" female copper thread	х	1-1/4" male iron pipe	.8	-
C08-66	1-1/2" female copper thread	х	1-1/2" male iron pipe	1.5	6
C08-77	2" female copper thread	х	2" male iron pipe	2.5	3
	COPPER TUBE NUTS WITH FEM.	ALE I	RON PIPE THREAD CONNE	CTIONS	
C01-11	1/2" female copper thread	х	1/2" female iron pipe	.4	42
C01-13	1/2" female copper thread	х	3/4" female iron pipe	.4	-
C01-33	3/4" female copper thread	х	3/4" female iron pipe	.4	40
C01-34	3/4" female copper thread	х	1" female iron pipe	.7	25
C01-43	1" female copper thread	Х	3/4" female iron pipe	.8	-
C01-44	1" female copper thread	X	1" female iron pipe	.8	15
C01-55	1-1/4" female copper thread	X	1-1/4" female iron pipe	1.0	10
C01-65	1-1/2" female copper thread	X	1-1/4" female iron pipe	1.7	-
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	
C01-77	2" female copper thread	X	2" female iron pipe	2.4	3
501-77			AND INCREASERS	2.4	5
202.22	5/8" female copper thread		3/4" flare copper	7	25
C02-23 C02-31		X		.7	
	3/4" female copper thread	X	1/2" flare copper	.5	30
<u>C02-32</u>	3/4" female copper thread	Х	5/8" flare copper	.6	25
C02-33	3/4" female copper thread	Х	3/4" flare copper	.7	-
<u>C02-34</u>	3/4" female copper thread	Х	1" flare copper	1.0	15
C02-43	1" female copper thread	Х	3/4" flare copper	1.0	15
C02-44	1" female copper thread	Х	1" flare copper	1.3	-
C02-45	1" female copper thread	Х	1-1/4" flare copper	1.7	-
C02-54	1-1/4" female copper thread	х	1" flare copper	1.4	10
C02-64	1-1/2" female copper thread	х	1" flare copper	2.2	5
C02-65	1-1/2" female copper thread	х	1-1/4" flare copper	2.5	8
C02-74	2" female copper thread	х	1" flare copper	3.5	3
C02-75	2" female copper thread	х	1-1/4" flare copper	4.0	-
C02-76	2" female copper thread	х	1-1/2" flare copper	4.4	2
		BEND	COUPLINGS	·	
_02-33	3/4" female copper thread	Х	3/4" flare copper	1.0	15
L02-44	1" female copper thread	X	1" flare copper	1.6	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
			TER BENDS	1.0	
L02-33S	3/4" fem. cop. thrd. swivel nut	X	3/4" flare copper	1.2	14
L02-44S	1" fem. cop. thrd. swivel nut	X	1" flare copper	1.8	8
L02-66S	1-1/2" fem. cop. thrd. swivel nut	x	1-1/2" flare copper	4.7	2
L02-77S	2" fem. cop. thrd. swivel nut	X	2" flare copper	8.0	1
L02-113			COUPLINGS	0.0	<u> </u>
LA02-33	3/4" female copper thread		2/4" flore coppor	.8	18
		X	3/4" flare copper		
LA02-44	1" female copper thread	X	1" flare copper 1-1/2" flare copper	1.4	10
LA02-66	1-1/2" female copper thread	X		3.3	2
_A02-77	2" female copper thread	X	2" flare copper	6.4	3
	SWIVEL		ITH BENDS	1 4 2	
LA02-33S	3/4" fem. cop. thrd. swivel nut	Х	3/4" flare copper	1.0	18
LA02-44S	1" fem. cop. thrd. swivel nut	Х	1" flare copper	1.5	10
LA02-66S	1-1/2" fem. cop. thrd. swivel nut	Х	1-1/2" flare copper	4.3	2
LA02-77S	2" fem. cop. thrd. swivel nut	Х	2" flare copper	7.7	

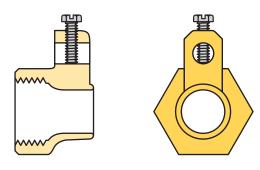
Adapters for Flare Connections (Replaces Flare Nut)

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

Copper Tube Nuts, Discs and Copper Gaskets



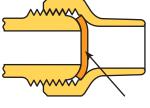
Copper Tube Nuts						
CATALOG	CATALOG DESCRIPTION APPROX.					
NUMBER	CONNECTION SIZE	WT. LBS.	QTY.			
CTN-1	1/2"	.2	-			
CTN-2	5/8"	.2	-			
CTN-3	3/4"	.3	-			
CTN-4	1"	.5	-			
CTN-5	1-1/4"	.8	-			
CTN-6	1-1/2"	1.1	-			
CTN-7	2"	2.3	-			



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

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

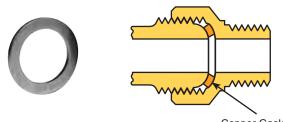




Copper Disc

Copper Discs - To Plug Service At Flare Copper Connections

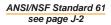
CATALOG	DESCRIPTION	APPROX.	STD. PKG.
NUMBER	CONNECTION SIZE	WT. LBS.	QTY.
Disc-3	3/4"	.04	-
Disc-4	1"	.06	-
Disc-5	1-1/4"	.07	-
Disc-6	1-1/2"	.09	-
Disc-7	2"	.18	-



Copper Gasket

Copper Gaskets - To Use With Adapters Replacing Flare Nuts

CATALOG	DESCRIPTION	APPROX.	STD. PKG.				
NUMBER	CONNECTION SIZE	WT. LBS.	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				APPROX.	STD. PKG
NUMBER	DESCRIPTION			WT. LBS.	QTY.
C18-13	1/2" female iron pipe	х	3/4" male iron pipe	.1	100
C18-14	1/2" female iron pipe	х	1" male iron pipe	.3	60
C18-31	3/4" female iron pipe	х	1/2" male iron pipe	.4	-
C18-34	3/4" female iron pipe	х	1" male iron pipe	.2	60
C18-35	3/4" female iron pipe	х	1-1/4" male iron pipe	.5	35
C18-36	3/4" female iron pipe	х	1-1/2" male iron pipe	.9	20
C18-37	3/4" female iron pipe	х	2" male iron pipe	.7	16
C18-43	1" female iron pipe	х	3/4" male iron pipe	.4	40
C18-45	1" female iron pipe	х	1-1/4" male iron pipe	.4	35
C18-46	1" female iron pipe	х	1-1/2" male iron pipe	.8	20
C18-47	1" female iron pipe	х	2" male iron pipe	.7	16
C18-54	1-1/4" female iron pipe	х	1" male iron pipe	.7	-
C18-56	1-1/4" female iron pipe	х	1-1/2" male iron pipe	.6	20
C18-57	1-1/4" female iron pipe	х	2" male iron pipe	1.1	10
C18-67	1-1/2" female iron pipe	х	2" male iron pipe	.8	15
C18-76	2" female iron pipe	х	1-1/2" male iron pipe	1.7	-
C18-78	2" female iron pipe	х	2-1/2" male iron pipe	1.3	6

Brass Unions

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
UNION-3	3/4" female iron pipe	Х	3/4" female iron pipe	.8	20
UNION-4	1" female iron pipe	х	1" female iron pipe	-	-

Reducing Couplings

		<u> </u>			
CATALOG	DESCRIPTION			APPROX.	STD. PKG.
NUMBER				WT. LBS.	QTY.
C11-43	1" female iron pipe	Х	3/4" female iron pipe	.5	40
C11-44	1" female iron pipe	х	1" female iron pipe	-	-
C11-54	1-1/4" female iron pipe	Х	1" female iron pipe	.6	20
C11-64	1-1/2" female iron pipe	х	1" female iron pipe	.7	15
C11-74	2" female iron pipe	х	1" female iron pipe	1.6	8
C11-75	2" female iron pipe	х	1-1/4" female iron pipe	1.4	8
C88-45	1" male iron pipe	Х	1-1/4" male iron pipe	.6	-

Ell Couplings

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
L88-33	3/4" male iron pipe	Х	3/4" male iron pipe	.5	-
L88-77	2" male iron pipe	Х	2" male iron pipe	2.1	-

Eighth Bend Couplings

CATALOG	DESCRIPTION			APPROX.	STD. PKG.
NUMBER				WT. LBS.	QTY.
LA81-44	1" male iron pipe	Х	1" female iron pipe	.95	-

Brass Service Plugs

CATALOG NUMBER	DESCRIPTION			Approx. Wt. Lbs.	STD. PKG. QTY.	
Pipe Plugs						
CSP-3-I	3/4" male iron pipe thread	х	square wrench head	.2	100	
CSP-4-I	1" male iron pipe Thread	х	square wrench head	.3	50	
Copper Service Plugs						
CSP-3	male cop. thrd. for 3/4" CTN	х	square wrench head	.3	50	
CSP-4	male cop. thrd. for 1" CTN	Х	square wrench head	.4	35	

Insert Fittings for Plastic

Straight Insert Fittings for PE Plastic Pipe



BOTH ENDS RIBBED INSERT FOR PE PIPE



MALE IRON PIPE THREAD TO RIBBED INSERT FOR PE PIPE



SOLDER SOCKET FOR COPPER TO RIBBED INSERT FOR PE PIPE



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



FEMALE IRON PIPE TO RIBBED INSERT FOR PE PIPE



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

Straight Insert Fittings for PE Plastic Pipe

CATALOG NUMBER	DESCRIPT	ION	•	APPROX. WT. LBS.	STD. PKG. QTY.	
BOTH ENDS RIBBED INSERT FOR PE PIPE						
PTP-1	3/4" PE Pipe	х	3/4" PE pipe	.3	60	
PTP-21	3/4" PE Pipe	х	1" PE Pipe	.4	40	
PTP-2	1" PE Pipe	Х	1" PE Pipe	.4	35	
PTP-3	1-1/4" PE Pipe	Х	1-1/4" PE Pipe	.6	25	
PTP-32	1-1/4" PE Pipe	х	1" PE Pipe	.5	25	
PTP-4	1-1/2" PE Pipe	Х	1-1/2" PE Pipe	.8	12	
PTP-5	2" PE Pipe	Х	2" PE Pipe	1.1	9	
FEMALE COPPER THREAD TO RIBBED INSERT FOR PE PIPE						
PTC-1	3/4" female cop. thrd.	Х	3/4" PE Pipe	.4	25	
PTC-21	3/4" female cop. thrd.	Х	1" PE Pipe	.4	25	
PTC-2	1" female cop. thrd.	Х	1" PE Pipe	.7	20	
PTC-4	1-1/2" female cop. thrd.	Х	1-1/2" PE Pipe	1.4	8	
PTC-5	2" female cop. thrd.	Х	2" PE Pipe	2.5	3	
MALE IRON PIPE THREAD TO RIBBED INSERT FOR PE PIPE						
PTM-1	3/4" male iron pipe	Х	3/4" PE Pipe	.4	45	
PTM-21	3/4" male iron pipe	Х	1" PE Pipe	.4	36	
PTM-2	1" male iron pipe	Х	1" PE Pipe	.5	25	
PTM-3	1-1/4" male iron pipe	Х	1-1/4" PE Pipe	.8	18	
PTM-4	1-1/2" male iron pipe	Х	1-1/2" PE Pipe	.9	12	
PTM-5	2" male iron pipe	Х	2" PE Pipe	1.1	8	
	FEMALE IRON PIPE THREAD 1	TO RIBBI		PIPE		
PTF-1	3/4" female iron pipe	Х	3/4" PE Pipe	.5	30	
PTF-21	3/4" female iron pipe	Х	1" PE Pipe	.5	25	
PTF-2	1" female iron pipe	Х	1" PE Pipe	.6	25	
	SOLDER SOCKET FOR COPPER TO RIBBED INSERT FOR PE PIPE					
PTSS-1	3/4" solder socket for cop.	Х	3/4" PE Pipe	.4	40	
PTSS-2	1" solder socket for cop.	Х	1" PE Pipe	.4	25	
PTSS-3	1-1/4" solder socket for cop.	Х	1-1/4" PE Pipe	.8	-	
	SOLDER NOSE FOR COPPER	TO RIBB		1		
PTS-1	3/4" solder nose for cop.	Х	3/4" PE Pipe	.2	80	
PTS-2	1" solder nose for cop.	Х	1" PE Pipe	.3	50	
PTS-3	1-1/4" solder nose for cop.	Х	1-1/4" PE Pipe	.7	-	

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	1.0	-
PTPL-5	2" PE Pipe x 2" PE Pipe	1.5	-







Stainless Steel Clamp for PE Pipe

Service Tee Insert Fitting for 1" PE Plastic Pipe

DESCRIPTION

1" PE Pipe x 1" PE Pipe x 1" PE Pipe

APPROX. STD. PKG.

QTY.

16

WT. LBS.

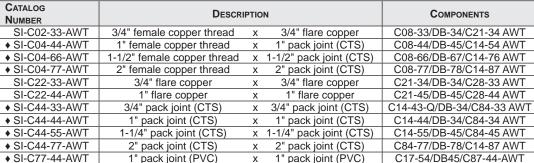
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CATALOG	DESCRIPTION	APPROX.	STD. PKG.		
NUMBER	DESCRIPTION	WT. LBS.	QTY.		
Clamp-16	For 3/4" PE Pipe	.05	100		
Clamp-20	For 1" PE Pipe	.05	75		
Clamp-24	For 1-1/4" PE Pipe	.05	70		
Clamp-32	For 1-1/2" PE Pipe	.06	40		
Clamp-40	For 2" PE Pipe	.07	35		

Flare Nuts for PE Pipe (Replaces Copper Flare Nut)

CATALOG NUMBER	DESCRIPTION		STD. PKG. QTY.
FPN-3	For 3/4" PE Pipe	.04	-
FPN-4	For 1" PE Pipe	.07	-

Service Insulator Couplings



Note: These products are manufactured from components assembled watertight. *Grip Joint* for CTS is available. Add "-G" to the end of the catalog number.

Quick Joint is available. Add "-Q" to the end of this catalog number.

CATALOG

NUMBER

PTPT-2

SI-C02-33-AWT

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 the 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.

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FORD

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