

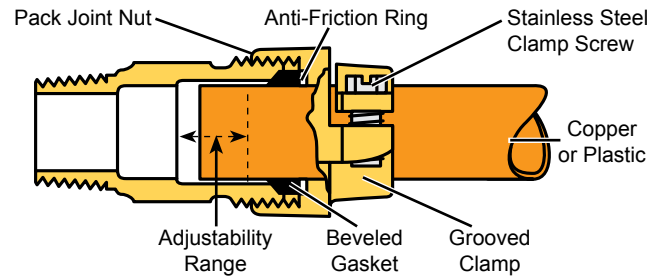
*Ford Pack Joint Couplings

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 split clamp locking device, which is drawn down securely on the tubing or pipe by tightening a stainless steel screw. For iron pipe, a stainless steel set screw is provided on the Pack Joint Nut to bite in and lock on the pipe.
3. Machined grooves in the clamp provide additional gripping action.

Installation instructions are shipped with product and posted on the Ford Meter Box website. Consult pipe or tubing manufacturer for specific installation requirements.

FOR COPPER, PET, PEP OR PVC
(Metal inserts to be used with PET or PEP)



*Ford Quick Joint Couplings

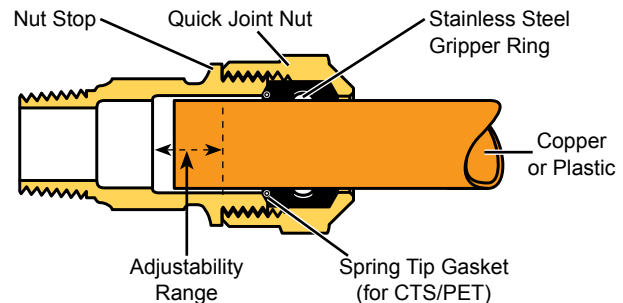
The Ford Quick Joint Nut offers traditional Ford features of quality and reliability. This easy to use fitting is available on a wide variety of Ford products. Just stab the copper or plastic tubing into the fitting and tighten down the compression nut to the external stop. That's it! The Quick Joint 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 large Buna-N gasket and stainless steel gripper ring are drawn down together 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.

Installation instructions are shipped with product and posted on the Ford Meter Box website. Consult pipe or tubing manufacturer for specific installation requirements.

FOR 3/4" - 2" COPPER, PET (SDR9) OR 3/4" - 1" PEP
(Metal inserts to be used with PET or PEP)



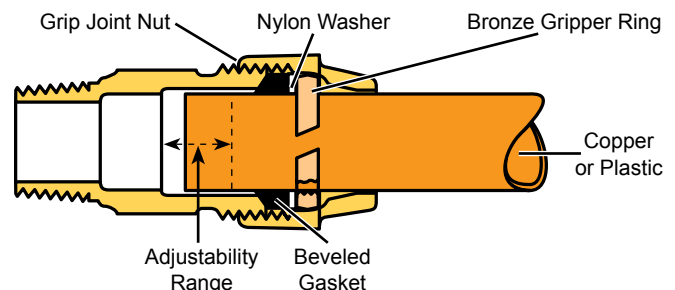
*Ford Grip Joint Couplings

Grip Joint Connections - How the Grip Joint Works

1. Tightening the Grip Joint Nut compresses an EPDM beveled gasket to make it watertight around the pipe or tubing.
2. The bronze split ring is drawn down when the nut is tightened, providing the mechanical seal and lock on the pipe.
3. Grip Joint Couplings are manufactured for copper and PET or 3/4" and 1" PEP.

Installation instructions are shipped with product and posted on the Ford Meter Box website. Consult pipe or tubing manufacturer for specific installation requirements.

ONE STEP COUPLING FOR COPPER, PET OR PEP
(Metal inserts to be used with PET or PEP)



* See table on page 6 for recommended PE pipe and tubing.

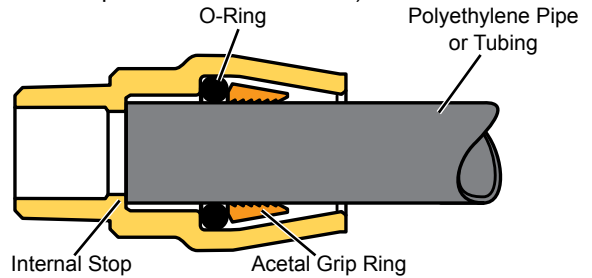
Ford Ultra-Tite Couplings*

The Ford Ultra-Tite Compression Coupling provides an immediate lock onto polyethylene pipe (PEP/IPS) or polyethylene tubing (PET/CTS) when inserted to the internal stop.

Ultra-Tite Connections - How the Ultra-Tite Works

1. An integral stop within the coupling ensures full pipe insertion.
2. The directional serrations of the plastic grip ring engage the outside diameter of the pipe or tubing providing a mechanical seal and lock.
3. The internal O-ring provides a hydraulic seal.

STAB COUPLING FOR 3/4" AND 1" PEP AND PET (No insert required or recommended.)



Installation instructions are shipped with product and posted on the Ford Meter Box website. Consult pipe or tubing manufacturer for specific installation requirements.

Ultra-Tite couplings on corporation stops are assembled hand tight and must be removed for drilling or tapping machine adaptation to corporation stop outlet threads. Once the tap is made, the Ultra-Tite should be securely tightened to the corporation stop outlet thread. Unless otherwise requested, corporation stops with Ultra-Tite connections require a drilling/tapping (insertion) machine adapter for male iron pipe outlet threads. Contact the factory for Ultra-Tite corporation stops with optional outlet thread connections.

Note: See table on page 6 for recommended PE pipe and PE tubing dimensions.

Lead-Pack Couplings

Recognizing the potential hazard of lead service lines, the Environmental Protection Agency has a goal of eliminating lead lines. 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-Pack you can attach copper, iron, plastic or PVC to an existing lead service line.

Lead-Pack Connections - How the Lead-Pack 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 split clamp locking device 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-Pack 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	S - Strong Lead Pipe
PEP - PE Pipe	XS - Extra Strong Lead Pipe
PVC - PVC 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 (S), extra strong (XS) and double extra strong (XXS).

Pack Joint Couplings

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

Pack Joint 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-NL	1/2"	1/2"	0.7	20
C45-13-NL	1/2"	3/4"	0.9	15
C45-31-NL	3/4"	1/2"	0.8	16
▶♦ C45-33-NL	3/4"	3/4"	0.9	15
▶ C45-34-NL	3/4"	1"	1.4	10
▶ C45-43-NL	1"	3/4"	1.0	12
▶ C45-44-NL	1"	1"	1.2	8
C45-45-NL	1"	1-1/4"	1.6	6
C45-66-NL	1-1/2"	1-1/2"	3.0	4
C45-77-NL	2"	2"	4.2	2



ELL COUPLINGS				
L45-31-NL	3/4"	1/2"	0.9	1
L45-33-NL	3/4"	3/4"	1.0	12
▶ L45-34-NL	3/4"	1"	1.5	-
▶ L45-43-NL	1"	3/4"	1.3	-
▶ L45-44-NL	1"	1"	1.5	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.

Pack Joint 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-NL	3/4"	3/4"	1.0	12
▶ C56-34-NL	3/4"	1"	1.4	8
▶ C56-44-NL	1"	1"	1.9	6



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

Pack Joint 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-NL	1/2"	1/2"	0.9	-
C57-33-NL	3/4"	3/4"	1.0	12
C57-34-NL	3/4"	1"	1.4	10
C57-44-NL	1"	1"	1.9	5
C57-66-NL	1-1/2"	1-1/2"	3.4	-
C57-77-NL	2"	2"	5.2	1



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)

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	P.J. FOR PE PIPE	P.J. FOR PVC PIPE		
STRAIGHT COUPLINGS				
▶ C67-33-NL	3/4"	3/4"	1.2	-
▶ C67-44-NL	1"	1"	2.2	8

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 NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	SINGLE BRANCH END	MULTI-BRANCH END		
♦Y44-233-NL	3/4" cop. or plastic tubing (CTS)	Two 3/4" cop. or plastic tubing (CTS)	1.6	6
•♦Y44-243-NL	1" cop. or plastic tubing (CTS)	Two 3/4" cop. or plastic tubing (CTS)	1.6	4
♦Y44-244-NL	1" cop. or plastic tubing (CTS)	Two 1" cop. or plastic tubing (CTS)	2.5	-
Y44-254-NL	1-1/4" cop. or plastic tubing (CTS)	Two 1" cop. or plastic tubing (CTS)	3.1	6
Y44-263-NL	1-1/2" cop. or plastic tubing (CTS)	Two 3/4" cop. or plastic tubing (CTS)	3.2	2
♦Y44-264-NL	1-1/2" cop. or plastic tubing (CTS)	Two 1" cop. or plastic tubing (CTS)	3.6	2
♦Y44-274-NL	2" cop. or plastic tubing (CTS)	Two 1" cop. or plastic tubing (CTS)	4.1	2
♦Y48-234-NL	1" male iron pipe thread	Two 3/4" cop. or plastic tubing (CTS)	1.3	6
Y48-246-NL	1-1/2" male iron pipe thread	Two 1" cop. or plastic tubing (CTS)	2.4	3
Y48-347-NL	2" male iron pipe thread	Three 1" cop. or plastic tubing (CTS)	4.6	4
▶Y66-243-NL	1" PE pipe P.J.	Two 3/4" PE pipe P.J.	3.1	2
Y68-337-NL	2" male iron pipe thread	Three 3/4" PE pipe P.J.	4.7	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 the catalog number.

▶ Ultra-Tite is available. Add "U-AWT" to the catalog number. (Consists of components assembled watertight.)

• Ultra-Tite is available. Add "-U" to the catalog number.