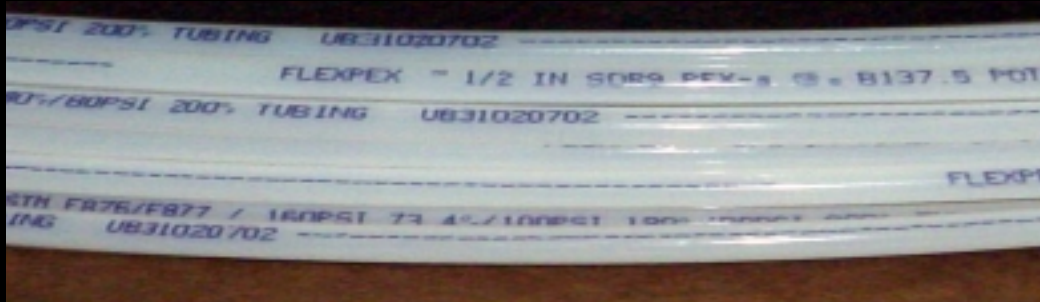




PEX PLUMBING SYSTEMS

FLAIR • IT
SALES

HARDWARE
DEALER
CATALOG



6601 S. Shields • Oklahoma City, OK 73149

Phone: 800/842-2543

Fax: 405/631-1701

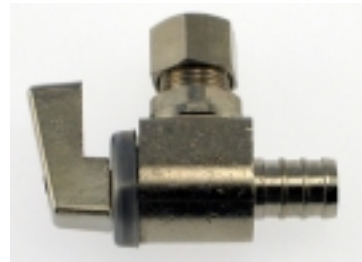
www.flair-it.com

JULY
2004

JULY
2004

PRODUCT & INSTALLATION CATALOG 2004

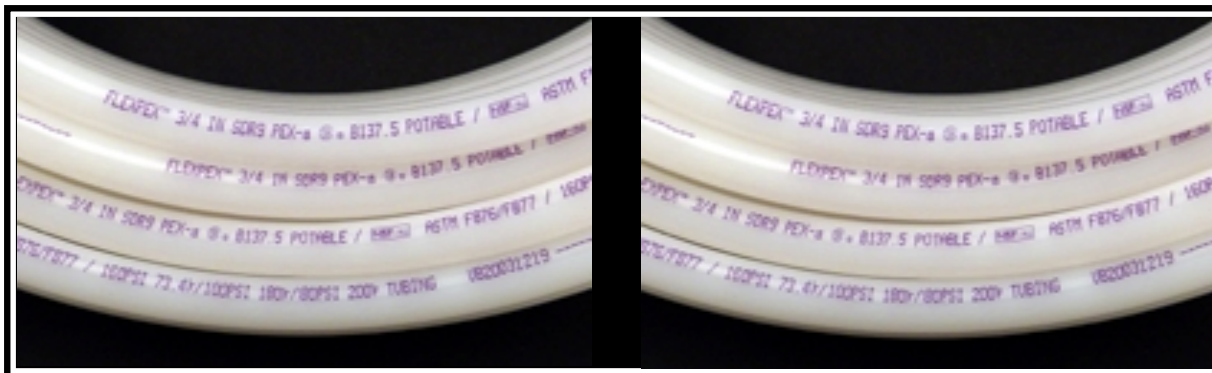
- 2) TABLE OF CONTENTS
- 3) WHAT THE HECK IS PEX?
- 4) PEX GUIDELINES
- 5) PEX GUIDELINES
- 6) PEX GUIDELINES
- 7) FLEXPEX TUBING
- 8) BESTPEX TUBING
- 9) THE FLAIR-IT CONNECTION
- 10) FLAIR-IT INSTALLATION
- 11) FLAIR-IT TEES
- 12) FLAIR-IT ELBOWS
- 13) FLAIR-IT COUPLINGS
- 14) FLAIR-IT ADAPTERS
- 15) FLAIR-IT VALVES
- 16) FLAIR-IT VALVES
- 17) ASSORTED FLAIR-IT FITTINGS
- 18) PIPE CUTTERS & ACCESSORIES
- 19) PEX RISERS
- 20) PEX TUBING SUPPORTS
- 21) POLYBUTYLENE REPAIR
- 22) FLAIR-IT ASSORTMENTS
- 23) THE 4' HARDWARE DISPLAY
- 24) 4' DISPLAY PRICING
- 25) THE 8' HARDWARE DISPLAY
- 26) 8' DISPLAY PRICING
- 27) FLAIR-IT PLUS FITTINGS
- 28) FLAIR-IT PLUS ELBOWS
- 29) FLAIR-IT PLUS TEES
- 30) FLAIR-IT PLUS ADAPTERS
- 31) FLAIR-IT PLUS COUPLINGS
- 32) FLAIR-IT PLUS VALVES
- 33) THE 4' BRASS DISPLAY
- 34) 28053 BRASS STARTER KIT
- 35) 28053 DISPLAY PRICING
- 36) 28056 BRASS STARTER KIT
- 37) 28056 DISPLAY PRICING
- 38) BESTPEX BRASS FITTINGS
- 39) BESTPEX COUPLINGS
- 40) BESTPEX ELBOWS
- 41) BESTPEX FAUCET FITTINGS
- 42) BESTPEX TEES
- 43) BESTPEX ADAPTERS
- 44) BESTPEX COPPER MANIFOLDS
- 45) PLUMBING SYSTEM DESIGNS
- 46) BESTPEX VALVES
- 47) CRIMP TOOL CONNECTIONS
- 48) BESTPEX CRIMP TOOLS
- 49) BESTPEX CRIMP TOOLS
- 50) CRIMP TOOL CALIBRATION
- 51) BESTPEX CRIMP RINGS
- 52) BESTPEX RATCHET TOOL
- 53) BESTPEX CLAMPS
- 54) PLUMBING SYSTEM TESTING
- 55) ORDER FORM
- 56) ORDER FORM



PEX TUBING

PEX or cross-linked polyethylene typically begins as high density polyethylene (HDPE) which is subjected to a process altering its molecular chain of polymers. The polymers are cross-linked into a three dimensional network structure, changing the material from a thermoplastic to a thermoset.

Cross-linking improves the high temperature performance, chemical and stress crack resistance, creep resistance and abrasion resistance of PEX, making it ideal for high temperature applications such as hot and cold water plumbing.



FLEX-PEX / PEX-A

**MEETS ASTM F876/877
WAREHOUSE STOCK
MOST FLEXIBLE
QUIET**



FLEX-PEX / PEX-A

**LISTED TO NSF 14 & 61
WAREHOUSE STOCK
MOST FLEXIBLE
NO ODOR**

THE THREE PRIMARY METHODS FOR CREATING PEX TUBING

Radiation (PEX-C) is produced in a two stage process using gamma/beta energy. First PE is extruded into pipe. After the extrusion process, cross-linking of the PE is achieved by bombarding the pipe with electromagnetic radiation (gamma) or high energy electrons (beta). These processes, nuclear and electron beams respectively, occur from the outside in.

Silane (PEX-B) is often referred to as “moisture cure” method. The materials cross-link or cure on exposure of the pipe to water. This process uses HDPE resin with additives that react when the pipe is exposed to heat and moisture after extrusion. PEX-B and PEX-C are considered cold cross-linking processes because the tubing is cross-linked after extrusion when the tubing is below its crystalline melting point.

Peroxide (PEX-A) also known as “Engel” PEX, this two stage hot cross-linking process occurs while the material is in its amorphous or ‘hot’ state. Peroxides are incorporated during the extrusion process and cross-linking is achieved by heating the PE above the decomposition temperature of the peroxides to create the ‘free radicals’ which initiate the cross-linking.

The higher percentage of molecules that are cross-linked the more durable and resistant to high temperatures and pressure the tubing. PEX-B is typically at 70% or below, PEX-C is 75% or less, and PEX-A is usually 80%.

PEX TUBING GUIDELINES



Do not crush or damage in handling or storage and protect from abrasion. When installed in areas exposing tubing to abrasive surfaces (metal members, masonry walls, concrete) use plastic sleeves or grommets to protect the tubing

Do not weld, apply or use adhesive tape or glue directly to PEX

Do not solder within 18" of any PEX tubing in the same water line.

Do not apply open flame to PEX tubing or Flair-It Fittings.

Do not allow tubing to come in extended contact with any of at least the commonly encountered construction materials listed below:

(This list is not all-inclusive.)

Pipe thread sealing compounds • Fire wall penetration sealing compounds.

Exception: water soluble, gypsum-based caulking;

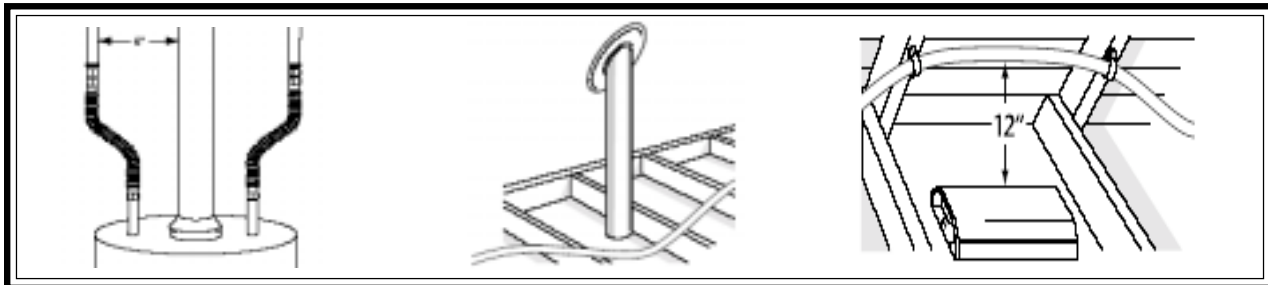
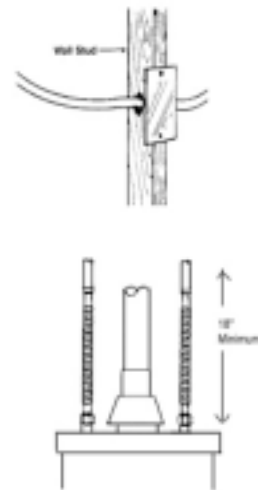
Petroleum-based materials such as: Kerosene Benzene Gasoline, Solvents, Fuel Oils, Cutting Oils, Asphaltic Paint, and Asphaltic Road Materials.

Do not use PEX where temperature and pressure will consistently exceed manufacturers maximum ratings.

Do not install PEX within 12" of a gas appliance vent or flue, or within 12" of a recessed light fixture.

Do not install where it will be exposed to direct sunlight or direct fluorescent lighting for over 30 days.

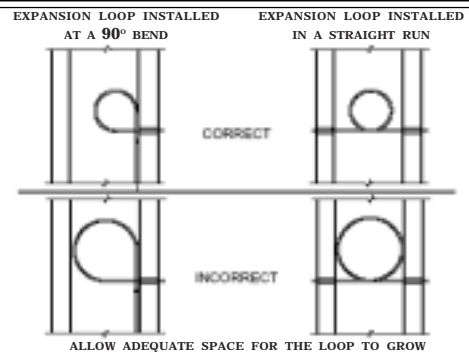
To protect tubing from Ultra Violet (UV) light retain in shipping package and store indoors. For the purpose of UV limitations, direct exposure means in full view of either the sun or fluorescent bulb. Filtered or reflected light is harmless.



- Keep tubing a minimum of 12 inches vertically or 6 inches horizontally from sources of high heat, such as recessed light fixtures, flue gas vents, or heating appliances.
- Do not install PEX tubing downstream of any point-of-use water heater or immersed coil heater in a boiler where the output temperature can exceed 180° F or closer than 6 inches upstream.
- PEX should not be connected within 6" of the vent on a water heater and not within the first 18" of piping connected to a water heater.

Expansion and Contraction of Tubing

- Do not pull tubing tight during installation.
- Allow 1/8-inch slack/per foot of installed tubing
- The linear expansion rate is approximately 1.1" per 10°F change for every 100 feet of tubing.
- Linear expansion can usually be accommodated by installing an expansion loop in the tubing run.



PEX TUBING GUIDELINES



CUTTING & BENDING PEX TUBING

- PEX tubing should be cut straight using a pipe tubing cutter
- Tubing bends of less than 10" in diameter should be done with caution to avoid over-bending. Use bend supports to provide additional support when bends are made.

MINIMUM BEND RADIUS

<u>TUBING SIZE</u>	<u>BEND RADIUS</u>
3/8" PEX	4"
1/2" PEX	5"
3/4" PEX	7"
1" PEX	9"



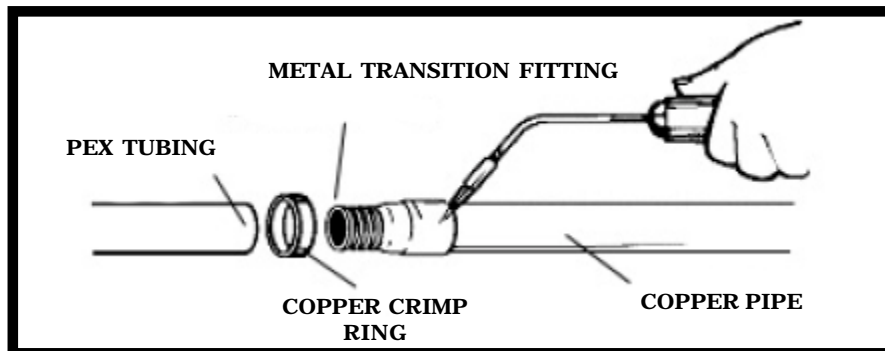
PLASTIC PIPE CUTTER



BEND SUPPORTS

SOLDERING OR COPPER TRANSITION

Solder copper transition fittings onto the copper pipe and allow to cool before connecting to PEX tubing



THAWING TUBING SYSTEMS

PEX tubing systems should not be intentionally subjected to freezing. Do not use open torch or excessive heat to thaw PEX tubing. Tubing failure or damage can result.

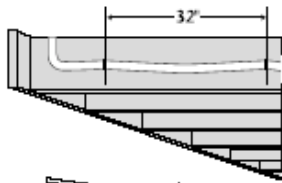
Heat (DO NOT USE A TORCH) must be applied directly to the frozen tubing section. Temperature on tubing shall not exceed 180°F.

Several suitable methods exist to thaw PEX tubing.

- A commercial system which pumps heated water through a tube to the ice blockage, and returns the cooled water for reheating.
- Wet hot towels
- Hot water
- Hand-held hair dryer
- Low wattage electrical heating tape



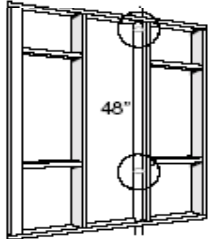
PEX TUBING GUIDELINES



PIPE SUPPORT SPACING

Tubing must be anchored securely enough to support the tubing, yet relaxed enough to allow the tubing to expand and contract.

- 1) Along horizontal runs, install supports every 32" or less.
- 2) Along vertical runs, install supports every 48", at each floor, and as a mid-story guide.



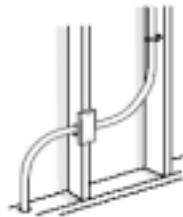
WOOD STUD INSTALLATION

When PEX is installed through wood studs striker plates should be installed to protect tubing during construction and drywall installation (see illustration).

The tubing does not require sleeving when installed in wood studs if adequate clearance is provided. Should concern exist regarding chaffing or movement steel stud installation practices may be utilized.

PENETRATING FOUNDATION WALLS

It is recommended when entering or exiting a foundation that a rigid piping material be used to protect the tubing from being pinched or chaffed during expansion and contraction of the foundation material.



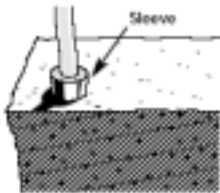
INSTALLING PEX IN A SLAB

1) Secure tubing to wire mesh or rebar using plastic ties at the intervals necessary to keep the tubing from floating up during the pour.

2) When PEX enters or exits a slab the tubing should be sleeved to provide protection. Pipe insulations rigid plastic conduit may be used. If 90° metal bend supports are utilized at a slab penetration these also should be sleeved.

3) If the tubing runs through an expansion joint, it must be sleeved or dipped below the joint and sleeved.

4) Fittings should not be buried directly in the slab or underground. A single continuous run of tubing should be used from entry to exit.



BURIED WATER LINES

TRENCH PREPARATION

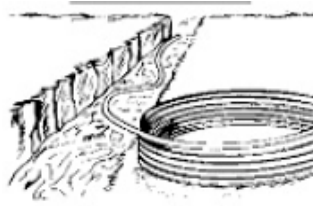
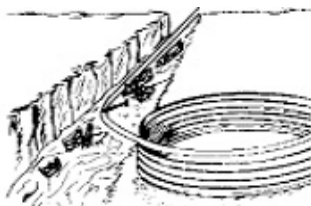
- Trench bottom shall be solid with no hollows, lumps, rocks, or other materials that could damage the tubing.

LAYING THE TUBING

- Tubing should be laid with sufficient slack (snaking) to accommodate any contraction due to cooling prior to backfilling. Tubing will expand or contract approximately 1" in length for each 10° F change in tubing temperature for each 100 feet of tubing.
- Trench bottom should be compacted prior to laying tubing to provide a smooth even surface.

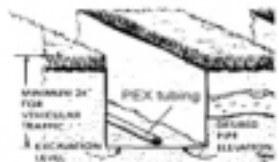
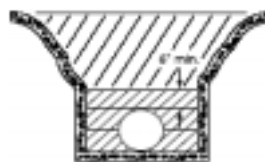
INCORRECT

CORRECT



BACKFILLING

- Do not use clay, silt, or rocky backfill. Remove the construction materials or foreign objects from trench prior to backfilling.
- The tubing and fittings should be surrounded with good clean fill, or sand, or river run gravel of 1/2-inch maximum particle size, the first fill should be a minimum of 6" above the tubing.
- Compact the initial backfill around the tubing to provide adequate tubing support and prevent settlement. It is important to adequately compact the soil around the tap connection.
- Pressurize tubing with air or water prior to backfilling to reveal any damage.





FLEXPEX TUBING

<u>PART</u>	<u>DESCRIPTION</u>	<u>SIZE</u>	<u>QTY</u>
16050	FLEXPEX TUBING	3/8" B- 5'	10
16051	FLEXPEX TUBING	1/2" B- 5'	10
16052	FLEXPEX TUBING	3/4" B- 5'	10
16061	FLEXPEX TUBING	1/4" B- 100'	1
16062	FLEXPEX TUBING	3/8" B- 100'	1
16063	FLEXPEX TUBING	1/2" B- 100'	1
16064	FLEXPEX TUBING	3/4" B- 100'	1

THE BENEFITS OF FLEX-PEX TUBING

- FLEXIBLE, LIGHTWEIGHT AND EASY TO INSTALL • REDUCES TOTAL PLUMBING CONNECTIONS
- 4 TIMES LIGHTER, LESS HEAT LOSS AND MORE RESISTANT TO CORROSION THAN COPPER
- PROVEN IN LONG-TERM LAB TESTING - LIFE EXPECTANCY OF OVER 100 YEARS
- QUIET, PROVIDES SOUND INSULATION AGAINST 'WATER HAMMER'
- NO ODOR, TASTE, IMPURITIES OR HARMFUL CHEMICALS



FLEXPEX PRESSURE RATINGS

160 PSI @ 73.4F • 100 PSI @ 180F • 80 PSI @ 200F

- WITHSTANDS EXTREME TEMPERATURE
- THE MOST FREEZE RESISTANT PLUMBING AVAILABLE,
- GETS STRONGER AS THE TEMPERATURE GETS COLDER.
- TUBING IS TESTED TO WITHSTAND FREEZING DOWN TO -95 F.
- SHOULD TUBING NEED THAWING, APPLY HEAT USING A HEAT GUN
- KINKED TUBING CAN BE REPAIRED USING THE SAME PROCESS
- TUBING DOES NOT WEAKEN THROUGH THIS PROCEDURE



Flair-It™

BESTPEX TUBING

BESTPEX TUBING IS MANUFACTURED USING THE SILANE METHOD. CROSS-LINKING TAKES PLACE ACROSS SILICONE AND OXYGEN MOLECULES. AFTER EXTRUSION THE TUBING IS EXPOSED TO HEAT AND STEAM TO INDUCE THE FINAL CROSS-LINKING ACTION. EUROPEAN STANDARDS CLASSIFY THIS AS PEX-B, WHICH IS NOT RELATED TO A QUALITY OR RATING SYSTEM. THIS PROCESS IS LESS EXPENSIVE THAN THE PEROXIDE METHOD AND ENABLES US TO OFFER YOU A COMPERABLE QUALITY TUBING AT A LOWER PRICE.

- **BESTPEX** IS LISTED UNDER NSF INTERNATIONAL STANDARD 14 THAT DEFINES REQUIREMENTS FOR INGREDIENTS, MATERIALS, PRODUCTS, QUALITY ASSURANCE, MARKING AND PERFORMANCE CRITERIA
- **BESTPEX** IS LISTED UNDER NSF STANDARD 61 THAT DEFINES REQUIREMENTS FOR TOXICITY
- **BESTPEX** IS MANUFACTURED TO ASTM F876/877 SDR 9
- **BESTPEX** IS AVAILABLE IN RED AND BLUE FOR EASY HOT AND COLD WATER IDENTIFICATION
- **BESTPEX** IS AVAILABLE IN BOTH COILS AND STRAIGHT LENGTHS

<u>PART</u>	<u>DESCRIPTION</u>	<u>PACKAGING</u>	<u>SIZE</u>	<u>QTY</u>
41260	BESTPEX TUBING	STRAIGHT	3/8 BLUE - 5'	10
41262	BESTPEX TUBING	STRAIGHT	1/2 BLUE - 5'	10
41264	BESTPEX TUBING	STRAIGHT	3/4 BLUE - 5'	10
41266	BESTPEX TUBING	STRAIGHT	3/8 BLUE - 10'	10
41268	BESTPEX TUBING	STRAIGHT	1/2 BLUE - 10'	10
41270	BESTPEX TUBING	STRAIGHT	3/4 BLUE - 10'	10
41272	BESTPEX TUBING	STRAIGHT	3/8 BLUE - 20'	10
41274	BESTPEX TUBING	STRAIGHT	1/2 BLUE - 20'	10
41276	BESTPEX TUBING	STRAIGHT	3/4 BLUE - 20'	10
41278	BESTPEX TUBING	COIL	3/8 BLUE - 100'	1
41280	BESTPEX TUBING	COIL	1/2 BLUE - 100'	1
41282	BESTPEX TUBING	COIL	3/4 BLUE - 100'	1
41261	BESTPEX TUBING	STRAIGHT	3/8 RED - 5'	10
41263	BESTPEX TUBING	STRAIGHT	1/2 RED - 5'	10
41265	BESTPEX TUBING	STRAIGHT	3/4 RED - 5'	10
41267	BESTPEX TUBING	STRAIGHT	3/8 RED - 10'	10
41269	BESTPEX TUBING	STRAIGHT	1/2 RED - 10'	10
41271	BESTPEX TUBING	STRAIGHT	3/4 RED - 10'	10
41273	BESTPEX TUBING	STRAIGHT	3/8 RED - 20'	10
41275	BESTPEX TUBING	STRAIGHT	1/2 RED - 20'	10
41277	BESTPEX TUBING	STRAIGHT	3/4 RED - 20'	10
41279	BESTPEX TUBING	COIL	3/8 RED - 100'	1
41281	BESTPEX TUBING	COIL	1/2 RED - 100'	1
41283	BESTPEX TUBING	COIL	3/4 RED - 100'	1

PEX & POLYBUTYLENE FITTINGS

The Flair-It plumbing system has been successfully used by plumbers, manufacturers of RV's, Manufactured Homes, and in the Marine Industry since 1991. Designed for use in potable water systems, the fittings are available in nominal tubing sizes and come ready for retail with color coded barcode tags to simplify identification.

3/8" ID x 1/2" OD - RED
5/8" ID x 7/8" OD - GREEN

1/2" ID x 5/8" OD - BLUE
TRANSITION FITTINGS - PURPLE

All Flair-It fittings are NSF listed and designed for hot and cold water applications with pressure ratings that will exceed 160 psi @ 73.4°F and 80 psi @ 200°F. The fittings can be used to make repairs to PEX, polybutylene, copper, CPVC, galvanized pipe and various plastic tubing.

Our fittings require **no tool, no glue, no solvents and no wait**. For transition from plastic to metal, we recommend using Teflon tape and tightening with a wrench. There is a reverse thread on the nut that grips the outside wall of the tubing securely to the barbed tip as you tighten the nut; it's a double locking thread system. The only removable part is the nut, a design which is a vast improvement on nut, cone and gripper ring fittings that can be confusing and difficult to explain.

The key to the Flair-It Plumbing system is the unique combination of a simple and functional fitting with high quality, easy to install and flexible tubing. For retailers, Flair-It fittings are easy to explain to even the most plumbing challenged DYIer's, and we've kept our packaging clear and direct:

- No poly-bagging
- No carded fittings.

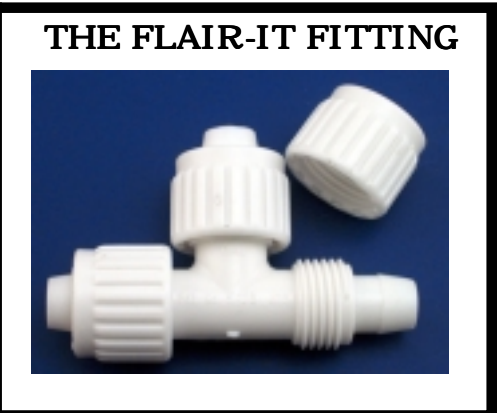
Our 28055B starter kit includes our most popular fittings in three sizes, and can be drop-shipped with fitting quantities of 10 each or with 5 each by ordering the 1/2 kit item # 28055.5B. The display includes a full color header board with and visuals that allow easy product identification with item #'s correspond to individual bin labels. The tilt bin display maximizes space and adds real value to the retailers plumbing department.

When training store employees we recommend that you emphasis the versatility of the fitting system. PEX tubing has many benefits which are covered later in this guide, but it is important to understand that the most successful store will sell PEX tubing and fittings for a variety of situations beyond the customer who is looking to repair polybutylene. We have recently completed an instructional video that we can provide to assist you in sharing product information with your staff.

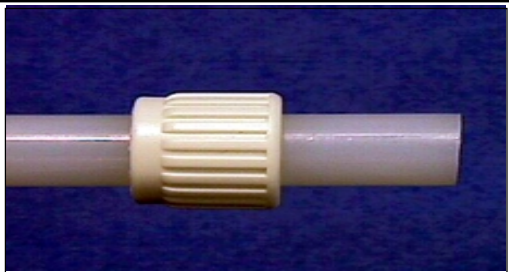
The top selling fittings and tubing are listed on the starter display diagram and are stocked in nearly all hardware distributor warehouses. The super kit 28051B contains additional warehouse fittings that can be added on an as needed basis. Our complete catalog has additional plumbing items that you may get requests for from time to time • Contact us if we can be of any service to you.



PLUMBING
REPAIRS
MADE
SIMPLER

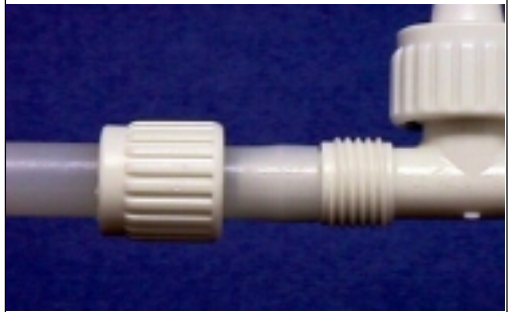


F
L
A
I
R
•
I
T



CUT TUBING SQUARELY
SLIDE NUT OVER TUBING

I
N
S
T
A
L
L
A
T
I
O
N



ROCK TUBING ONTO FLARE CONE
UNTIL IT RESTS AGAINST
THE SHOULDER OF THE FITTING

T
H
R
E
E

S
I
M
P
L
E

S
T
E
P
S



SLIDE NUT TO THE THREADS
TIGHTEN SECURELY.



**FLAIR-IT FITTINGS ARE DESIGNED TO EQUAL OR EXCEED
THE MAXIMUM PRESSURE RATINGS OF PEX TUBING**

160 PSI AT 73°F • 100 PSI AT 180°F • 80 PSI AT 200°F



**FLAIR-IT FITTINGS ARE DESIGNED FOR ALL GRADES OF
PEX TUBING MANUFACTURED TO ASTM F876-F877.**



**IN NON-ACCESSIBLE LOCATIONS WE RECOMMEND USING
A FLAIR-IT WRENCH TO SECURELY TIGHTEN THE FITTING.**



FLAIR-IT FITTINGS CAN BE REUSED

TO DISCONNECT

- 1) LOOSEN NUT AND SLIDE AWAY FROM FITTING
 - 2) GRASP FITTING WITH HAND • PLACE OTHER HAND AT JOINT OF TUBING AND FITTING - PLACE THUMB BENEATH FLARE BARB AND BEND UPWARD UNTIL FITTING RELEASES FROM TUBING
- IF TUBING IS DAMAGED DURING REMOVAL IT MAY BE NECESSARY TO REMOVE 1/2" FROM END.

**P
E
X
&
P
O
L
Y
B
U
T
Y
L
E
N
E
F
I
T
T
I
N
G
S**



TEES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16790	1/2P x 1/2P x 3/8OD F-Nut	10
16820	1/2P x 1/2P x 1/2P	10
16824	3/4P x 1/2P x 1/2P	10
16825	3/4P x 1/2P x 3/4P	10
16826	3/4P x 3/4P x 1/2P	10
16827	3/4P x 3/4P x 3/4P	10
16830	1/2P x 1/2P x 3/8P	10
16831	3/8P x 3/8P x 3/8P	10

MALE TEES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16822	1/2P x 1/2P x 1/2MPT	10
16837	1/2P x 1/2MPT x 1/2MPT	10
16838	1/2P x 1/2MPT x 1/2P	10

SWIVEL TEES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16821	1/2P x 1/2P x 1/2FBSP	10
16829	1/2P x 1/2P x 3/4FBSP	10
16836	1/2MPT x 1/2FBSP x 1/2MPT	10

READING TEES

WHEN READING TEES, MEASUREMENTS WILL ALWAYS BEGIN WITH LARGEST FLOW THROUGH SIDE FIRST:

EXAMPLE AS FOLLOWS

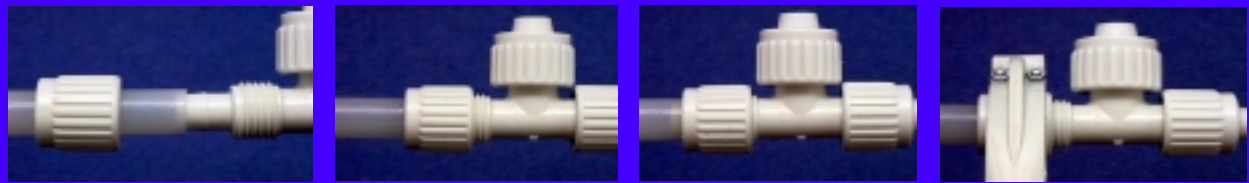
A = 1ST MEASUREMENT - 3/4"

B = 2ND MEASUREMENT - 1/2"

C = 3RD MEASUREMENT - 3/4"



16825 - 3/4P x 1/2P x 3/4P TEE





ELBOWS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16800	1/2P x 1/2P	10
16805	3/4P x 1/2P	10
16806	3/4P x 3/4P	10
16815	3/8P x 3/8P	10



MALE ELBOWS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16784	3/8MPT x 3/8OD F-NUT	10
16799	3/8P x 1/2MPT	10
16803	1/2P x 1/2MPT	10
16808	3/4P x 1/2MPT	10
16809	3/4P x 3/4MPT	10
16810	1/2P x 3/8MPT	10
16812	1/2P x 3/4MPT	10



SWIVEL ELBOWS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16785	1/2FPT BSP x 1/2MPT	10
16793	3/8P x 1/2FPT SHORT SWW NUT	10
16794	1/2P x 1/2FPT SHORT SWW NUT	10
16797	3/8P x 3/4FPT STD SWIVEL NUT	10
16807	3/4P x 3/4FPT STD SWIVEL NUT	10
16811	1/2P x 3/4FPT STD SWIVEL NUT	10
16816	1/2P x 1/2FPT STD SWIVEL NUT	10
16817	3/8P x 1/2FPT STD SWIVEL NUT	10



FEMALE ELBOWS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16801	1/2P x 1/2FPT DROP EAR ELBOW	10
16802	1/2P x 1/2FPT	10
16813	3/4P x 3/4FPT	10



CODE COMPLIANCE

FLAIR-IT FITTINGS ARE MANUFACTURED TO NSF STANDARD 14/61 AND CSA STANDARD CAN/CSA B1.37.5 M89 AS CERTIFIED BY INCHCAPE TESTING SERVICE-WARNOCK HERSEY. PLUMBING CODES CAN VARY FROM REGION TO REGION AND CHANGE WITH THE INTRODUCTION OF NEW PRODUCTS. SPECIFIC CODE REQUIREMENTS SHOULD BE CHECKED PRIOR TO USING FLAIR-IT FITTINGS FOR INSTALLATIONS THAT REQUIRE ADHERENCE TO LOCAL CODES.



COUPLINGS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16787	1/2P x 3/8OD F-NUT	10
16788	1/4 F-NUT x 3/8OD F-NUT	10
16840	1/2P x 1/2P	10
16845	3/4P x 1/2P	10
16846	3/4P x 3/4P	10
16853	1/2P x 3/8P	10
16855	3/8P x 3/8P	10

SWIVEL COUPLINGS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16795	3/8P x 1/2FPT SHORT SW. NUT	10
16796	1/2P x 1/2FPT SHORT SW. NUT	10
16849	3/4P x 3/4FPT STD. SWIVEL NUT	10
16856	1/2P x 3/4FPT STD. SWIVEL NUT	10
16873	1/2P x 1/2FPT REGULAR SWIVEL NUT	10
16874	3/8P x 1/2FPT REGULAR SWIVEL NUT	10

PEX TO POLYBUTYLENE COUPLINGS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16844	3/4PEX x 3/4PB	10

To connect 3/4" PEX to 3/4" polybutylene use the 16844 PEX to PB coupling. The barb for polybutylene will be slightly larger and the nut will not have a continuous set of threads.

26790	3/4 PB Plastic Insert (3 per bag)	10
-------	-----------------------------------	----

For connections other than straight runs from 3/4" PEX to 3/4" polybutylene use a 26790 PB insert with the Flair-it fitting to ensure a good connection.

To make a connection:

- Insert the plastic bushing into the 3/4" PB tubing
- Do not attempt to push the bushing onto the fitting
- Slide nut over tubing
- Rock tubing onto fitting until tubing is seated against the body of the fitting
- Slide nut to threads and tighten securely.
- 1/2" and 3/8" polybutylene repairs do not require an PB insert bushing

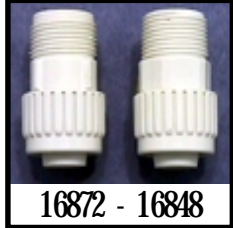




MALE ADAPTERS

<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
16842	1/2P x 1/2MPT	10
16848	3/4P x 3/4MPT	10
16850	3/8P x 3/8MPT	10
16852	1/2P x 3/8MPT	10
16868	1/2P x 3/4MPT	10
16870	3/8P x 1/2MPT	10
16872	3/4P x 3/4MPT BSP	10

FOR COPPER FLEX CONNECTOR



TO MAKE A THREADED CONNECTION TO PVC, CPVC OR GALVANIZED PIPE
 • CHOOSE THE CORRECT SIZE ADAPTER • CONNECT TO MALE THREADS WITH A SWIVEL COUPLING OR ELBOW
 • APPLY TEFLON TAPE • TIGHTEN SECURELY WITH A WRENCH APPROXIMATELY 1/4 TURN BEYOND HAND TIGHT
 • ONE TURN WITH A WRENCH IS USUALLY ENOUGH TO MAKE AN GOOD SEAL



WE MANUFACTURE TWO STYLES OF 3/4" MALE ADAPTERS. BOTH ARE INCLUDED IN THE HARDWARE STARTER KITS. THE 16848 IS STANDARD TAPERED PIPE THREAD AND THE 16872 IS BSP THREAD, A PARALLEL THREAD DESIGNED FOR USE ON THE COPPER FLEX HOSE THAT CONNECTS TO A HOT WATER TANK.

THE ITEMS ARE MARKED ON THE BAR-CODE TAGS & THE BODIES OF THE FITTINGS HAVE DIFFERNT DESIGNS THE 16848 HAS A FLAT HEXAGON SHAPE • THE 16872 HAS 4 SLIGHTLY RAISED NUBS

FEMALE ADAPTERS



<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
16789	1/2FPT x 3/8OD F-Nut	10
16841	1/2P x 1/2FPT	10
16847	3/4P x 3/4FPT	10
16851	1/2P x 3/8FPT	10
16858	1/2P x 3/4FPT	10
16865	1/2P x 7/8BCT SWW	10
16869	3/8P x 7/8BCT SWW	10

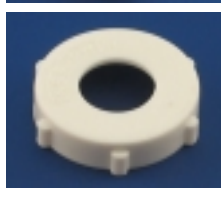
USING PIPE DOPE WITH FLAIR-IT FITTINGS

ON MALE TO FEMALE PIPE THREAD CONNECTIONS, WE RECOMMEND THE USE OF TEFLON TAPE TO INSURE A SECURE SEAL. DO NOT USE PIPE DOPE TO SECURE FLAIR-IT FITTINGS. THE USE OF FLAIR-IT FITTINGS FOR APPLICATIONS OTHER THAN POTABLE WATER PLUMBING SYSTEMS WILL NULLIFY ANY WARRANTY ASSOCIATED WITH OUR FITTINGS.

**P
E
X
&
P
O
L
Y
B
U
T
Y
L
E
N
E
F
I
T
T
I
N
G
S**



**OUR VALVES ARE 1/4 TURN
DIRECTIONAL VALVES
WITH REPLACEABLE PARTS**



STRAIGHT STOP VALVES

<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
16879	3/8P x 3/8P	10
16880	1/2P x 1/2P	10
16881	1/2P x 3/8OD F-NUT	10
16889	1/2P x 1/2 MPT	10
16892	1/2" P x 3/8" COMPRESSION	10

INSTALL VALVES SO WATER FLOWS IN THE DIRECTION THE ARROW ON THE BODY OF THE FITTING INDICATES

ANGLE STOP VALVES

<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
16883	3/8P x 3/8P	10
16885	1/2P x 1/2P	10
16888	1/2P x 3/8OD F-NUT	10
16893	1/2" P x 3/8" COMPRESSION	10

WASHING MACHINE VALVES



<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
16886	1/2MPT x 1/2MGH	10
16887	1/2P x 3/4MGH	10

VALVE PARTS

<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
16419	VALVE SEAL	10
16420	VALVE TOP NUT	10
16441	VALVE STEM	10
16442	OWL HANDLE WHITE	10
16445	TEAR DROP HANDLE RED	10
16447	TEAR DROP HANDLE WHITE	10
16448	TEAR DROP HANDLE BLUE	10

**P
E
X
&**



MANIFOLD VALVES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16916	1/2FSV x 1/2M x 1/2M(RED)	10



16917	1/2FSV x 1/2M x 1/2M(BLUE)	10
-------	----------------------------	----

**P
O
L
Y
B
U
T
Y
L
E
N
E**



DRAIN VALVES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16882	3/8P x 3/8P	10
16884	1/2P x 1/2P	10



WATER HEATER BYPASS VALVES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16900	3/8P x 3/8P x 3/8P	10
16910	1/2P x 1/2P x 1/2P	10
16912	1/2P x 1/2MPT x 1/2P	10



180° CENTER DRAIN VALVES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16902	3/8P x 3/8P x 3/8P	10
16914	1/2P x 1/2P x 1/2P	10



**F
I
T
T
I
N
G
S**

HOW TO USE THE 3-WAY CENTER DRAIN & BYPASS VALVES

16900-16910

HANDLE IN THROUGH POSITION



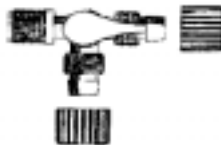
WATER HEATER BYPASS VALVE



HANDLE IN BYPASS POSITION

16912

HANDLE IN THROUGH POSITION



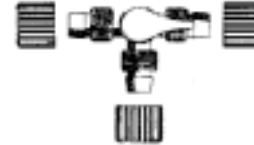
WATER HEATER BYPASS VALVE



HANDLE IN BYPASS POSITION

16902-16914

HANDLE IN THROUGH POSITION

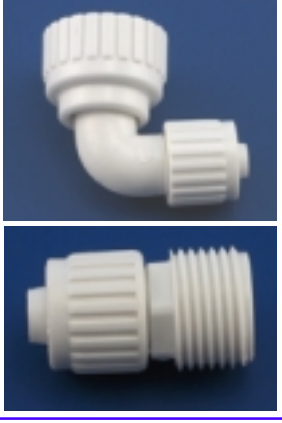


CENTER DRAIN VALVE



HANDLE IN DRAIN POSITION

**P
E
X
&
P
O
L
Y
B
U
T
Y
L
E
N
E
F
I
T
T
I
N
G
S**



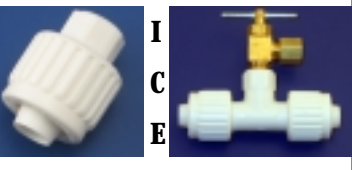
GARDEN HOSE FITTINGS

<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
16798	3/8P x 3/4FGH SWW ELL	10
16866	1/2P x 3/4FGH SWW	10
16867	1/2P x 3/4MGH	10
16818	1/2P x 3/4FGH SWW ELL	10



ICE MAKER FITTINGS

<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
15834	1/2P x 1/2P x 1/4COMP (16834 & 64858)	10
16834	1/2P x 1/2P x 1/8FPT(W/O VALVE)	10
16871	1/2P x 1/8FPT	10
15989	1/4OD POLYETHYLENE 100FT. ROLL	1
64858	1/8MPT x 1/4COMP VALVE	10



COPPER TRANSITION FITTINGS

<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
16343	1/2" TRANSITION FITTING	10
16347	3/4" TRANSITION FITTING	10

THESE FITTINGS ENABLE QUICK TRANSITIONS TO PEX TUBING FROM COPPER OR CPVC TUBING
 THE FITTING IS IDENTICAL ON EACH SIDE • THERE'S NO NEED TO TAKE THE FITTING APART TO USE
 TO CONNECT: LOOSEN THE NUT • DEBURR TUBING AND FOR EASIER INSERTION LUBRICATE THE TUBING
 PUSH AND ROTATE UNTIL TUBING SEATS ABOUT 7/8" INTO FITTING • SECURELY TIGHTEN WITH A WRENCH
 COMPONENTS INCLUDE: FITTING BODY (2) O-RINGS (2) PLASTIC SPACERS (2) METAL GRIP RINGS (2) NUTS.
 THE O-RING RESTS ON A LIP INSIDE OF THE FITTING BODY • THE PLASTIC SPACER HOLDS THE O-RING IN PLACE
 THE METAL GRIP RING RESTS ON THE PLASTIC SPACER • THE NUT THREADS ONTO THE BODY OF THE FITTING.
 PLACE THE GRIP RING ON SPACER WITH THE SMALLER DIAMETER OF THE RING FACING DOWN INTO THE FITTING
 THE FITTING WILL NOT CREATE A SEAL IF THE GRIP RING IS INSERTED IMPROPERLY.



CAPS & PLUGS

<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
16859	3/8P CAP	10
16860	1/2P CAP	10
16861	3/4P CAP	10
16862	3/8P PLUG	10
16863	1/2P PLUG	10
16864	3/4P PLUG	10

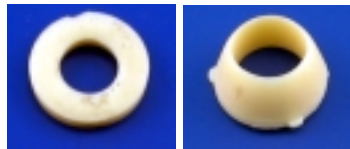


PEX
&
POLYBUTYLENE
FITTINGS



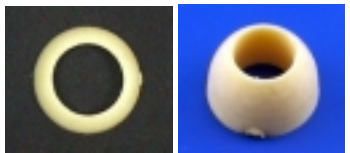
FLAIR-IT NUTS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16418	1/2" Nut	10
16454	3/4" Nut	10
16480	3/8" Nut	10



FLAIR-IT SEALS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16435	1/2" SWIVEL SEAL	10
16465	3/4" SWIVEL SEAL	10
16482	BALLOON SEAL	10
16483	GARDEN HOSE SEAL	10



FLAIR-IT WRENCHES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16390	3/8P x 1/2P FLAIR-IT WRENCH	10
16391	1/2P x 3/4P FLAIR-IT WRENCH	10



01100

FLAIR-IT PIPE CUTTERS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
01175	UNIVERSAL PIPE CUTTER - Up to 1" PVC	1
01100	PRO POINT RATCHET CUTTER - Up to 1" PVC	1
01000	REPLACEMENT BLADE FOR 01100	1
01150	PLASTIC TUBING CUTTER	1



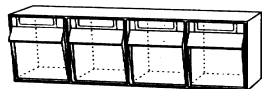
01175



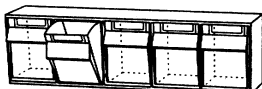
01150

TILT BIN DISPLAY ACCESSORIES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
01400	4 BIN TILT BIN	1
01500	5 BIN TILT BIN	1
01600	FLAIR-IT DISPLAY BOARD	1
01700	BAR CODE LABELS FOR BINS	1



01400



01500

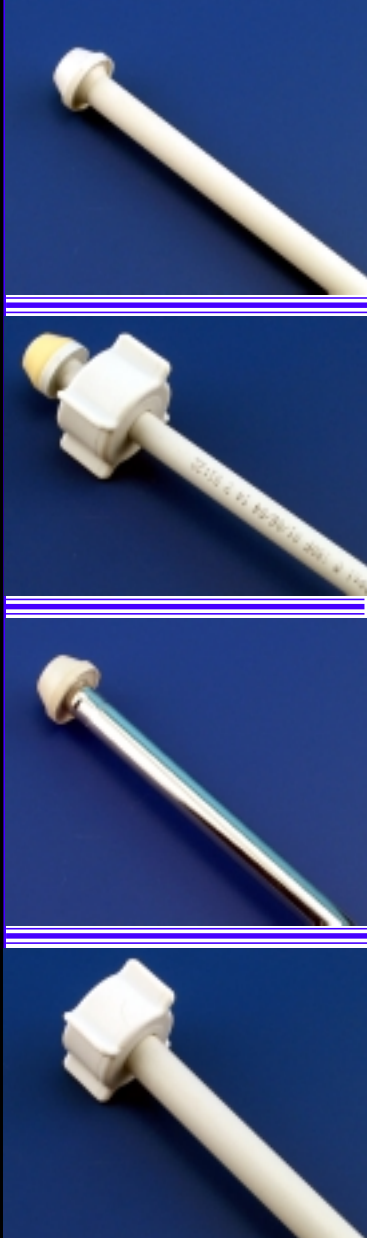


PIPE CUTTERS ARE PRE-PACKAGED FOR EASY DISPLAY

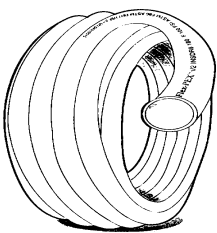


PEX RISERS

PEX & POLYBUTYLENE FITTINGS



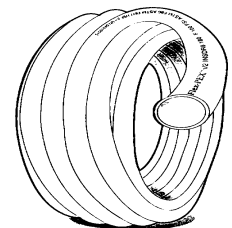
PART	DESCRIPTION	Qty
41217	PEX RISER - BASIN/LAV 3/8" OD x 12"	10
41218	PEX RISER - BASIN/LAV 3/8" OD x 20"	10
41219	PEX RISER - BASIN/LAV 3/8" OD x 30"	10
41220	PEX RISER - CLOSET/TOILET 3/8" OD x 12"	10
41221	PEX RISER - CLOSET/TOILET 3/8" OD x 20"	10
41222	PLASTIC COMPRESSION SLEEVE 3/8" OD	10
41223	PEX RISER - BASIN/LAV 3/8" OD x 15"	10
81260	PEX RISER w/NUTS & WASHERS 3/8" OD x 10"	10
81261	PEX RISER w/NUTS & WASHERS 3/8" OD x 12"	10
81262	PEX RISER w/NUTS & WASHERS 3/8" OD x 20"	10
81263	PEX RISER w/NUTS & WASHERS 3/8" OD x 24"	10
81264	PEX RISER w/NUTS & WASHERS 3/8" OD x 30"	10
81265	PEX RISER w/NUTS & WASHERS 3/8" OD x 36"	10
81266	PEX RISER w/NUTS & WASHERS 3/8" OD x 48"	10
81267	PEX RISER w/NUTS & WASHER 3/8" OD x 60"	10
81270	CHROME PLATED PEX RISER 3/8" OD x 12" LAV	10
81271	CHROME PLATED PEX RISER 3/8" OD x 20" LAV	10
81272	CHROME PLATED PEX RISER 3/8" OD x 12" TOILET	10
81273	CHROME PLATED PEX RISER 3/8" OD x 20" TOILET	10
81274	RISER w/NUTS & WASHERS 1/2" OD x 12"	10
81275	RISER w/NUTS & WASHERS 1/2" OD x 24"	10
81276	RISER w/NUTS & WASHERS 1/2" OD x 36"	10
81277	RISER w/NUTS & WASHERS 1/2" OD x 48"	10
81278	RISER w/NUTS & WASHERS 1/2" OD x 60"	10



THE RIGHT STUFF

FLAIR-IT FITTINGS ARE DESIGNED TO EQUAL OR EXCEED THE MAXIMUM PRESSURE RATINGS OF PEX TUBING

160 PSI AT 73°F - 100 PSI AT 180°F - 80 PSI AT 200°F

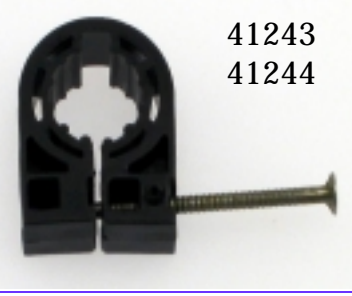


FLAIR-IT SALES

6601 S. SHIELDS

OKLAHOMA CITY OK 73149

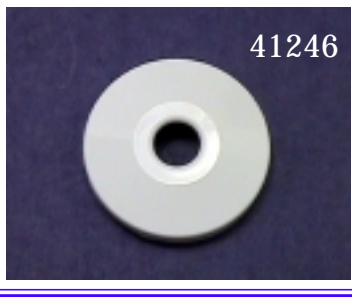
PEX TUBING SUPPORTS



41243
41244



41245
41246



41246



10375
10500
10750



10501



10800

<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
41243	1/2" PADLOCK TUBE STRAP W/NAIL	10
41244	3/4" PADLOCK TUBE STRAP W/NAIL	10
41245	UNIVERSAL SLIDER BRACKET	10
41246	1/2" WHITE SHALLOW ESCUTCHION	10
10375	90 DEG. METAL TUBING SUPPORT - 3/8"	10
10500	90 DEG. METAL TUBING SUPPORT - 1/2"	10
10501	90 DEG. METAL SUPPORT W/BRACKET 1/2"	10
10750	90 DEG. METAL TUBING SUPPORT 3/4"	10
10800	90 DEG. PLASTIC TUBING SUPPORT 1/2"	10

PIPE SUPPORT SPACING

TUBING MUST BE ANCHORED SECURELY ENOUGH TO SUPPORT THE TUBING, YET RELAXED ENOUGH TO ALLOW THE TUBING TO EXPAND AND CONTRACT.

- ALONG HORIZONTAL RUNS, INSTALL SUPPORTS EVERY 32" OR LESS.
- ALONG VERTICAL RUNS, INSTALL SUPPORTS EVERY 48", AT EACH FLOOR, AND AS A MID-STORY GUIDE.

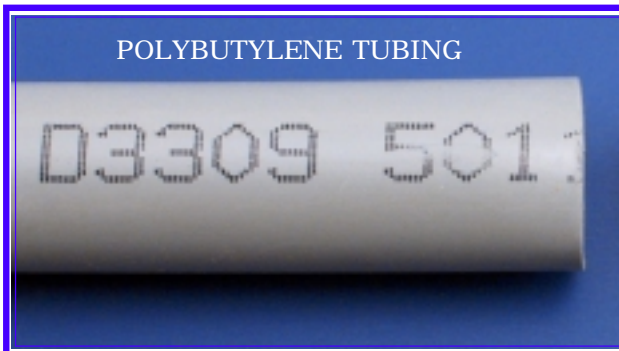
COMPATIBILITY OF COMPONENTS:

FLAIR-IT SUPPORTS THE STANDARDIZATION AND INTERCHANGEABILITY OF PLUMBING COMPONENTS. ALL OF OUR FITTINGS ARE DEVELOPED, MANUFACTURED AND TESTED TO MEET THE REQUIREMENTS OF EXISTING PEX TUBING STANDARDS ASTM F876/F877 AND COMPLY WITH NSF STANDARD 14/61 FOR PLASTIC PIPING COMPONENTS AND RELATED MATERIALS.

FLAIR-IT FITTINGS ARE DESIGNED TO WORK WITH ALL GRADES OF COMMERCIAL PEX TUBING WHICH COMPLY WITH THE PROVISIONS OF THE STANDARDS LISTED ON THE PIPE.

SOME TUBING MAY NOT MEET THE PRECISE TOLERANCE OF THESE STANDARDS. INSTALLERS ARE REQUIRED TO CONFIRM ALL DIMENSIONAL TOLERANCES WHEN USING PEX TUBING OTHER THAN FLEXPEX OR BESTPEX. FLAIR-IT WILL NOT BE RESPONSIBLE FOR FAULTY CONNECTIONS MADE WITH TUBING THAT DOES NOT COMPLY WITH THESE STANDARDS

THERE IS MUCH CONFUSION ABOUT POLYBUTYLENE, REFERRED TO BY MANY AS THE "GRAY" TUBING, OR AS "QEST". THE TUBING WAS MANUFACTURED FROM 1978 TO 1995, AND USED EXTENSIVELY AS WATER SUPPLY PIPING FOR RV'S, MANUFACTURED HOMES AND RESIDENTIAL PLUMBING. ALTHOUGH MANY FACTORS CONTRIBUTED TO THE FAILURE OF POLYBUTYLENE PLUMBING SYSTEMS, POOR INSTALLATION TECHNIQUES AND INAPPROPRIATE USE OF MATERIALS WERE TWO OF THE MOST SIGNIFICANT CAUSES.



THROUGHOUT THE LATE 1980'S, AS PROBLEMS MOUNTED NUMEROUS LAWSUITS WERE FILED THAT CULMINATED IN A CLASS ACTION LAWSUIT. AS PART OF THE SETTLEMENT, A NUMBER OF HOMES WERE REPLUMBED, AND POLYBUTYLENE TUBING WAS NO LONGER AVAILABLE IN THE UNITED STATES PLUMBING MARKET.



DURING THE EARLY 1990'S, FLAIR-IT FITTINGS WERE INTRODUCED AS A PATENTED DESIGN FOR USE WITH POLYBUTYLENE.



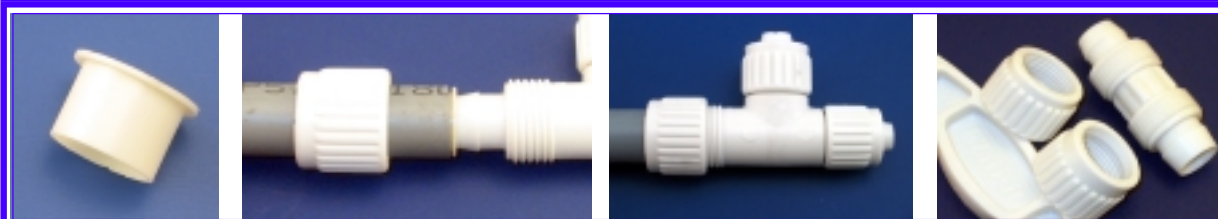
PB CONNECTED TO PEX

ALTHOUGH OUR FITTINGS WERE NOT ASSOCIATED WITH ANY LAWSUITS INVOLVING THE FAILURE OF POLYBUTYLENE, WE REALIZED THAT PEX WAS THE TUBING OF THE FUTURE, AND IN 1996, WE INTRODUCED THE 6000 FLAIR-IT SERIES, CREATING A FITTING LINE COMPATIBLE WITH PEX THAT COULD ALSO BE USED TO MAKE REPAIRS ON POLYBUTYLENE.

THERE IS A VARIANCE IN THE WALL THICKNESS OF PEX AND POLYBUTYLENE TUBING, PEX IS SDR-9, POLYBUTYLENE IS SDR-11, BECAUSE OF THIS PEX TUBING IS THICKER. ON 3/8" AND 1/2", THE NUT THREADS FURTHER ONTO THE BODY OF THE FITTING WHEN CONNECTING TO POLYBUTYLENE.

ON 3/4" FITTINGS FOR CONNECTIONS TO POLYBUTYLENE TUBING YOU MUST USE A 26790 PLASTIC INSERT BUSHING, OR WHEN COUPLING 3/4" PEX TO 3/4" PB USE A 16844 PEX TO PB ADAPTER. THE BARB THAT INSERTS INTO POLYBUTYLENE IS SLIGHTLY LARGER THAN THE PEX BARB AND REPLACES THE INSERT BUSHING.

SEE PAGE 13 FOR STEP BY STEP INSTRUCTIONS ON HOW TO USE THESE FITTINGS.





28055B
OR
28055.5B



FINALLY..

A PLUMBING SYSTEM

SO EASY TO USE

NO EXPERIENCE

IS NECESSARY

**PLUMBING DOESN'T HAVE TO BE ROCKET SCIENCE
OR A MYSTERY FOR YOUR CUSTOMERS**

**CALL
800/842-2543**

**TO ORDER
THE 4' OR 8'
PLUMBING
REPAIR
CENTER**



28051B
OR
28051.5B

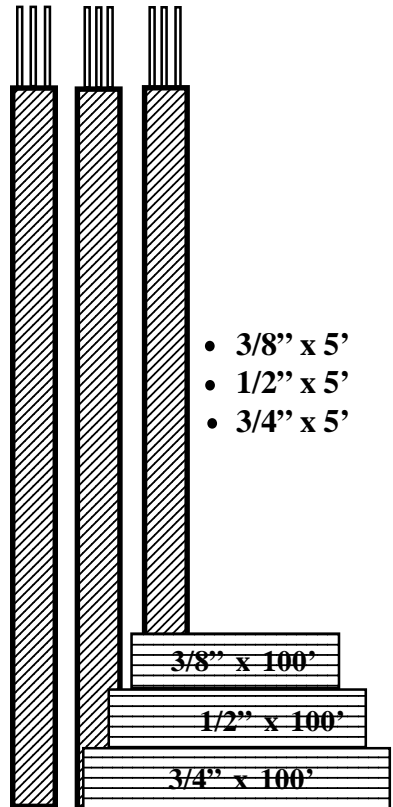


PLUMBING MADE SIMPLE !

Flair-It HARDWARE STARTER KIT INCLUDES ONLY THE MOST POPULAR FITTINGS FOR THE HARDWARE INDUSTRY.

24" X 24" HEADER
 THIS KIT FOR 3/8" - 1/2" - 3/4" PEX
 COMES COMPLETE WITH
 PREPAID FREIGHT
 BIN TAGS - HEADER BOARD
 FITTINGS COME WITH COLORED BARCODES TAGS

16815	16817	16831	16850	16855
16874	16879	16853	16845	16343
16800	16816	16820	16834	16840
16841	16842	16865	16868	16873
16844	16347	16347	26790	16806
16880	16887	16892	16893	
16824	16825	16826	16827	
16846	16847	16848	16872	



- 3/8" x 5'
- 1/2" x 5'
- 3/4" x 5'

4' HARDWARE KIT DISPLAY
 FINALLY... A COMPLETE PLUMBING SYSTEM
 SO EASY TO USE, NO EXPERIENCE NECESSARY.
 IT'S GUARANTEED.



THE 4' PLUMBING REPAIR CENTER

3/8" - 1/2" - 3/4" HARDWARE STARTER KIT • 4' HARDWARE KIT DISPLAY

Part #	Description	Nominal Tube Size(I.D) Connection	Retail Price	DealerPrice
16343	Transition Fitting	5/8"OD	\$7.06	\$3.57
16347	Transition Fitting	7/8"OD	\$8.32	\$4.19
16800	Elbow	1/2P x 1/2P	\$2.65	\$1.36
16806	Elbow	3/4P x 3/4P	\$4.20	\$2.14
16815	Elbow	3/8P x 3/8P	\$2.65	\$1.36
16816	Swivel Elbow	1/2P x 1/2FPT BSP SWV	\$3.73	\$1.90
16817	Swivel Elbow	3/8P x 1/2FPT BSP SWV	\$4.08	\$2.08
16820	Tee	1/2P x 1/2P x 1/2P	\$3.73	\$1.90
16824	Tee	3/4P x 1/2P x 1/2P	\$5.81	\$2.94
16825	Tee	3/4P x 1/2P x 3/4P	\$6.11	\$3.09
16826	Tee	3/4P x 3/4P x 1/2P	\$5.81	\$2.94
16827	Tee	3/4P x 3/4P x 3/4P	\$6.11	\$3.09
16831	Tee	3/8P x 3/8P x 3/8P	\$3.79	\$1.93
16834	Ice Maker Tee	1/2P x 1/2P x 1/8FPT	\$5.45	\$2.76
16840	Coupling	1/2P x 1/2P	\$2.53	\$1.30
16841	Female Adapter	1/2P x 1/2FPT	\$2.53	\$1.30
16842	Male Adapter	1/2P x 1/2MPT	\$2.24	\$1.15
16844	Pex to Poly Coupling	3/4PEX x 3/4Polybutylene	\$3.91	\$1.99
16845	Coupling	3/4P x 1/2P	\$3.79	\$1.93
16846	Coupling	3/4P x 3/4P	\$3.67	\$1.87
16847	Female Adapter	3/4P x 3/4FPT	\$3.19	\$1.63
16848	Male Adapter	3/4P x 3/4MPT	\$2.95	\$1.51
16850	Male Adapter	3/8P x 3/8MPT	\$2.95	\$1.51
16853	Coupling	1/2P x 3/8P	\$3.13	\$1.60
16855	Coupling	3/8P x 3/8P	\$2.47	\$1.27
16865	Ballcock Adapter	1/2P x 3/4BCT	\$4.86	\$2.46
16868	Male Adapter	1/2P x 3/4MPT	\$2.65	\$1.36
16872	BSP Copper Conn.	3/4 x 3/4MPT BSP	\$2.95	\$1.51
16873	Swivel Coupling	1/2P x 1/2FPT BSP SWV	\$3.37	\$1.72
16874	Swivel Coupling	3/8P x 1/2FPT BSP SWV	\$3.31	\$1.69
16879	Straight Stop Valve	3/8P x 3/8P	\$9.87	\$4.97
16880	Straight Stop Valve	1/2P x 1/2P	\$9.57	\$4.82
16887	Washing Machine Valve	1/2P x 1/2P	\$11.12	\$5.59
16892	Straight Stop Valve	1/2P x 3/8 Compression Straight	\$9.57	\$4.82
16893	Angle Stop Valve	1/2P x 3/8 Compression Angle	\$10.16	\$5.12
26790	3/4" Polybutylene Adapter	3/4" Polybutylene Adapter - 3 pack	\$2.18	\$1.09
01500	5 Bin Tilt Bin	6-1/2" x 5-1/4" x 23-5/8"	\$30.00	\$15.00
01400	4 Bin Tilt Bin	8-1/8" x 6-5/8" x 23-5/8"	\$40.00	\$20.00
01600	Flair-It Display Board	24" x 36"		N/C
01700	Flair-It Bin Tags HDWR			N/C
These are tubing numbers - Tubing is not included in the kit				
16050	FLEXPEX Tubing	3/8ID x 1/2OD x 5' = 3/8" PEX	\$3.49	\$1.66
16051	FLEXPEX Tubing	1/2ID x 5/8OD x 5' = 1/2" PEX	\$3.79	\$1.81
16052	FLEXPEX Tubing	5/8ID x 7/8OD x 5' = 3/4" PEX	\$6.29	\$2.94
16061	FLEXPEX Tubing	1/4ID x 3/8OD x 100' = 1/4" PEX	\$46.00	\$22.37
16062	FLEXPEX Tubing	3/8ID x 1/2OD x 100' = 3/8" PEX	\$51.69	\$25.14
16063	FLEXPEX Tubing	1/2ID x 5/8OD x 100' = 1/2" PEX	\$57.55	\$28.00
16064	FLEXPEX Tubing	5/8ID x 7/8OD x 100' = 3/4" PEX	\$100.19	\$50.80

THE HARDWARE STARTER KIT INCLUDES ONLY THE MOST POPULAR FITTINGS FOR THE HARDWARE INDUSTRY

**FLAIR-IT CENTRAL
6601 S. SHIELDS
OKLAHOMA CITY OK 73149
800/842-2543**



PLUMBING MADE SIMPLE !

8' HARDWARE KIT DISPLAY

Flair-It HARDWARE STARTER KIT INCLUDES ONLY THE MOST POPULAR FITTINGS FOR THE HARDWARE INDUSTRY.

24" X 24" HEADER
 THIS KIT FOR 3/8" - 1/2" - 3/4" PEX
 COMES COMPLETE WITH
 PREPAID FREIGHT
 BIN TAGS - HEADER BOARD
 FITTINGS COME WITH COLORED BARCODES TAGS

16390	16391	16799	16815	16817	16831	16850	16853	16855	16859
16862	16869	16870	16874	16879 1 of 2	16879 2 of 2	16800	16802	16803	16805 @
16810	16812	16816	16820	16830	16834	16840	16841	16842	16844
16845 @	16852	16858	16860	16863	16865	16868	16871	16873	16343
16880	16887	26790	16347	16806 @	16809 @	16824 @	16825 @		
16826 @	16827 @	16846 @	16847 @	16848 @	16861	16864 @	16872 @		

@ INDICATES ORANGE STICKER FOR 26790 POLYBUTYLENE ADAPTER
 GONDOLA & TUBING NOT INCLUDED WITH ASSORTMENT

FINALLY... A COMPLETE PLUMBING SYSTEM
 SO EASY TO USE, NO EXPERIENCE NECESSARY.
 IT'S GUARANTEED.



THE 8' PLUMBING REPAIR CENTER

3/8" - 1/2" - 3/4" HARDWARE STARTER KIT • 8' HARDWARE KIT DISPLAY

Part #	Description	Nominal Tube Size(I.D) Connection	Retail	Dealer Cost
16343	Transition Fitting	5/8"OD	\$7.06	\$3.57
16347	Transition Fitting	7/8"OD	\$8.32	\$4.19
16390	Plastic Wrench *	3/8" x 1/2"	\$9.57	\$4.82
16391	Plastic Wrench *	1/2" x 3/4"	\$9.57	\$4.82
16799	Male Elbow *	3/8P x 1/2MPT	\$2.77	\$1.42
16800	Elbow	1/2P x 1/2P	\$2.65	\$1.36
16802	Female Elbow *	1/2P x 1/2FPT	\$3.61	\$1.84
16803	Male Elbow	1/2P x 1/2MPT	\$2.77	\$1.42
16805	Elbow *	1/2P x 3/4P	\$5.34	\$2.70
16806	Elbow	3/4P x 3/4P	\$4.20	\$2.14
16809	Male Elbow *	3/4P x 3/4MPT	\$3.91	\$1.99
16810	Male Elbow *	1/2P x 3/8MPT	\$2.65	\$1.36
16812	Male Elbow *	1/2P x 3/4MPT	\$3.31	\$1.69
16815	Elbow	3/8P x 3/8P	\$2.65	\$1.36
16816	Swivel Elbow	1/2P x 1/2FPT BSP SWV	\$3.73	\$1.90
16817	Swivel Elbow	3/8P x 1/2FPT BSP SWV	\$4.08	\$2.08
16820	Tee	1/2P x 1/2P x 1/2P	\$3.73	\$1.90
16824	Tee	3/4P x 1/2P x 1/2P	\$5.81	\$2.94
16825	Tee	3/4P x 1/2P x 3/4P	\$6.11	\$3.09
16826	Tee	3/4P x 3/4P x 1/2P	\$5.81	\$2.94
16827	Tee	3/4P x 3/4P x 3/4P	\$6.11	\$3.09
16830	Tee *	1/2P x 1/2P x 3/8P	\$5.99	\$3.03
16831	Tee	3/8P x 3/8P x 3/8P	\$3.79	\$1.93
16834	Ice Maker Tee	1/2P x 1/2P x 1/8FPT	\$5.45	\$2.76
16840	Coupling	1/2P x 1/2P	\$2.53	\$1.30
16841	Female Adapter	1/2P x 1/2FPT	\$2.53	\$1.30
16842	Male Adapter	1/2P x 1/2MPT	\$2.24	\$1.15
16844	Pex to Poly Coupling	3/4PEX x 3/4Polybutylene	\$3.91	\$1.99
16845	Coupling	3/4P x 1/2P	\$3.79	\$1.93
16846	Coupling	3/4P x 3/4P	\$3.67	\$1.87
16847	Female Adapter	3/4P x 3/4FPT	\$3.19	\$1.63
16848	Male Adapter	3/4P x 3/4MPT	\$2.95	\$1.51
16850	Male Adapter	3/8P x 3/8MPT	\$2.95	\$1.51
16852	Male Adapter *	1/2P x 3/8MPT	\$2.65	\$1.36
16853	Coupling	1/2P x 3/8P	\$3.13	\$1.60
16855	Coupling	3/8P x 3/8P	\$2.47	\$1.27
16858	Female Adapter	1/2P x 3/4FPT	\$3.31	\$1.69
16859	Cap *	3/8P	\$2.05	\$1.06
16860	Cap *	1/2P	\$1.70	\$0.88
16861	Cap *	3/4P	\$3.31	\$1.69
16862	Plug *	3/8P	\$2.65	\$1.36
16863	Plug *	1/2P	\$2.77	\$1.42
16864	Plug *	3/4P	\$3.91	\$1.99
16865	Ballcock Adapter	1/2P x 3/4BCT	\$4.86	\$2.46
16868	Male Adapter	1/2P x 3/4MPT	\$2.65	\$1.36
16869	Ballcock Adapter *	3/8P x 3/4BCT	\$5.16	\$2.61
16870	Male Adapter *	3/8P x 1/2MPT	\$2.30	\$1.18
16871	Female Adapter *	1/2P x 1/8FPT	\$4.20	\$2.14
16872	BSP Copper Conn.	3/4 x 3/4MPT BSP	\$2.95	\$1.51
16873	Swivel Coupling	1/2P x 1/2FPT BSP SWV	\$3.37	\$1.72
16874	Swivel Coupling	3/8P x 1/2FPT BSP SWV	\$3.31	\$1.69
16879	Straight Stop Valve	3/8P x 3/8P	\$9.87	\$4.97
16880	Straight Stop Valve	1/2P x 1/2P	\$9.57	\$4.82
16887	Washing Machine Valve	1/2P x 1/2P	\$11.12	\$5.59
26790	3/4" Polybutylene Adapter	3/4" Polybutylene Adapter - 3 pack	\$2.18	\$1.09
01500	5 Bin Tilt Bin	6-1/2" x 5-1/4" x 23-5/8"	\$30.00	\$15.00
01400	4 Bin Tilt Bin	8-1/8" x 6-5/8" x 23-5/8"	\$40.00	\$20.00
01600	Flair-It Display Board	24" x 36"		N/C
01700	Flair-It Bin Tags HDWR			N/C
These are the tubing numbers, Tubing is not included in the kit.				
16050	FLEXPEX Tubing	3/8ID x 1/2OD x 5' = 3/8" PEX	\$3.49	\$1.66
16051	FLEXPEX Tubing	1/2ID x 5/8OD x 5' = 1/2" PEX	\$3.79	\$1.81
16052	FLEXPEX Tubing	5/8ID x 7/8OD x 5' = 3/4" PEX	\$6.29	\$2.94
16061	FLEXPEX Tubing	1/4ID x 3/8OD x 100' = 1/4" PEX	\$46.00	\$22.37
16062	FLEXPEX Tubing	3/8ID x 1/2OD x 100' = 3/8" PEX	\$51.69	\$25.14
16063	FLEXPEX Tubing	1/2ID x 5/8OD x 100' = 1/2" PEX	\$57.55	\$28.00
16064	FLEXPEX Tubing	5/8ID x 7/8OD x 100' = 3/4" PEX	\$100.19	\$50.80

BY SELECTING UDEL® P-1700 RESIN FOR FLAIR-IT PLUS, WE MOVE AHEAD TOWARD THE NEXT GENERATION OF PLUMBING FITTINGS DESIGNED FOR THE DEMANDS OF THE 21ST CENTURY.

COMPATIBLE WITH ALL PEX TUBING MANUFACTURED TO ASTM F876 OR F877, FLAIR-IT PLUS COUPLES OUR PATENTED FITTING DESIGN WITH A HIGH STRENGTH THERMOPLASTIC MATERIAL AND THE MEMORY CAPABILITIES OF PEX TUBING TO CREATE A HIGH QUALITY PLUMBING CONNECTION GUARANTEED NOT TO LEAK.

UDEL® P-1700 POLYSULFONE (PLS) IS A TOUGH THERMOPLASTIC MATERIAL SUITABLE FOR CONTINUOUS USE IN TEMPERATURES UP TO 300 DEGREES FAHRENHEIT.

PLS HAS DEMONSTRATED A HIGH RESISTANCE TO AQUEOUS MINERAL ACIDS, ALKALI AND SALT SOLUTIONS, AND ITS TOLERANCE TO DETERGENTS AND HYDROCARBON OILS AT ELEVATED TEMPERATURES UNDER MODERATE LEVELS OF STRESS IS GOOD.

NUMEROUS TESTS WITH A VARIETY OF CHEMICALS HAVE SHOWN LITTLE OR NO ADVERSE EFFECT ON THE PROPERTIES OF POLYSULFONE, BUT AS WITH ANY MATERIAL, PLS CAN BE ATTACKED AND DAMAGED BY SEEMINGLY HARMLESS CHEMICALS.



FLAIR-IT PLUS FITTINGS ARE DESIGNED FOR USE IN POTABLE WATER SYSTEMS ONLY.

DO NOT USE CHEMICALS OR SOLVENTS WITH FLAIR-IT PLUS FITTINGS.

DO NOT USE PIPE DOPE WITH FLAIR-IT PLUS FITTINGS.

FOR MORE INFORMATION ON SPECIFIC CHEMICALS AND SOLVENTS AND THEIR IMPACT ON POLYSULFONE, CONTACT A FLAIR-IT SALES REPRESENTATIVE.

FLAIR-IT PLUS IS NOT DESIGNED FOR USE ON POLYBUTYLENE TUBING.

PEX FITTINGS

ELBOWS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
17800	ELBOW - 1/2P x 1/2P	10
17801	DROP EAR ELBOW - 1/2" P x 3/4" FPT	10
17802	FEMALE ELBOW - 1/2P x 1/2FPT	10
17803	MIE ELBOW - 1/2P x 1/2MPT	10
17805	ELBOW - 3/4P x 1/2P	10
17806	ELBOW - 3/4P x 3/4P	10
17810	MIE ELBOW - 1/2P x 3/8MPT	10
17811	ELBOW - 1/2P x 3/4FPT SWW BSP	10
17816	ELBOW - 1/2P x 1/2FPT SWW BSP	10

UDEL POLYSULFONE (PLS)

UDEL POLYSULFONE (PLS), A PRODUCT OF SOLVAY, HAS A LONG HISTORY OF SUCCESS IN REPLACING BRASS COMPONENTS IN PRESSURIZED HOT WATER PLUMBING APPLICATIONS.

FITTINGS MADE FROM UDEL POLYSULFONE EXHIBIT A HYDROLYTIC AND DIMENSIONAL STABILITY, A RESISTANCE TO CHLORINE, A LONG-TERM HYDROSTATIC BURST PRESSURE, CREEP RESISTANCE AND AN ABILITY TO WITHSTAND EXTREMES OF FREEZE CONDITIONS, QUALITIES THAT MAKE UDEL POLYSULFONE THE MATERIAL FOR FITTINGS DESIGNED FOR THE POTABLE WATER PLUMBING SYSTEMS OF THE FUTURE.

THE CHEMICAL STRUCTURE OF POLYSULFONE IS DIRECTLY RESPONSIBLE FOR THE EXCELLENT COMBINATION OF PROPERTIES THAT ARE INHERENT IN THE RESINS.

PEX FITTINGS

TEES



<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
17820	TEE - 1/2P X 1/2P X 1/2P	10

17824	TEE - 3/4P X 1/2P X 1/2P	10
-------	--------------------------	----

17825	TEE - 3/4P X 1/2P X 3/4P	10
-------	--------------------------	----



17826	TEE - 3/4P X 3/4P X 1/2P	10
-------	--------------------------	----

17827	TEE - 3/4P X 3/4P X 3/4P	10
-------	--------------------------	----

UDEL POLYSULFONE (PLS)

IN ITS NATURAL FORM POLYSULFONE IS TRANSPARENT. THE BLACK COLORING OF OUR PLS FITTINGS ENHANCES THEIR RESISTANCE TO UV RAYS BEYOND THE NORMAL EXPOSURE LIMITS OF PEX TUBING.

ALTHOUGH THEY SHOULD NOT BE INSTALLED OUTSIDE, FLAIR-IT PLS FITTINGS ARE DESIGNED TO TOLERATE HIGH EXTREMES OF TEMPERATURE AND PRESSURE, AND CAN ENDURE CONDITIONS AS LOW AS -40 CELSIUS WITHOUT CRACKING.

TESTS SHOW THAT UDEL POLYSULFONE RESISTS MINERAL BUILDUP AND LEACHES NO HEAVY METALS INTO DRINKING WATER.

- POLYSULFONE IS RIGID, STRONG AND TOUGH.

- RESISTANT TO FREEZE CONDITIONS

- DESIGNED FOR POTABLE WATER

- COMPLIES WITH FDA REGULATIONS FOR USE IN REPEATED CONTACT WITH FOOD PRODUCTS

- CERTIFIED TO NSF INTERNATIONAL STANDARDS 14 & 61



PEX FITTINGS



FEMALE ADAPTERS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
17841	FEMALE ADAPTER - 1/2P X 1/2FPT	10
17847	FEMALE ADAPTER - 3/4P X 3/4FPT	10



MALE ADAPTERS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
17842	MALE ADAPTER - 1/2P X 1/2MPT	10
17848	MALE ADAPTER - 3/4P X 3/4MPT	10
17872	MALE ADAPTER - 3/4P X 3/4MPT BSP	10



NO PIPE DOPE WITH FLAIR-IT PLUS FITTINGS

ON MALE TO FEMALE PIPE THREAD CONNECTIONS,
WE RECOMMEND THE USE OF TEFLON TAPE TO INSURE A SECURE SEAL.

17848



DO NOT USE PIPE DOPE TO SECURE FLAIR-IT FITTINGS.

THE USE OF FLAIR-IT FITTINGS FOR APPLICATIONS OTHER THAN POTABLE WATER PLUMBING SYSTEMS WILL NULLIFY ANY WARRANTY ASSOCIATED WITH OUR FITTINGS.

17872



MAKING CONNECTIONS TO THREADED PIPE

TO MAKE A THREADED CONNECTION TO PVC, CPVC OR GALVANIZED PIPE

- CHOOSE THE CORRECT SIZE ADAPTER
- CONNECT TO MALE THREADS WITH A SWIVEL COUPLING OR ELBOW
- APPLY TEFLON TAPE
- TIGHTEN WITH A WRENCH APPROXIMATELY 1/4 TURN PAST HAND TIGHT
- ONE TURN WITH A WRENCH IS USUALLY ENOUGH MAKE AN GOOD SEAL

WE MANUFACTURE TWO STYLES OF 3/4" MALE ADAPTERS.

THE 17848 IS STANDARD TAPERED PIPE THREAD.

THE 17872 HAS PARALLEL THREADS DESIGNED FOR USE ON COPPER FLEX HOSES WHEN CONNECTING TO HOT WATER TANKS.

PEX FITTINGS



COUPLINGS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
17840	COUPLING - 1/2P x 1/2P	10
17845	COUPLING - 3/4P x 1/2P	10
17846	COUPLING - 3/4P x 3/4P	10



SWIVEL COUPLINGS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
17849	COUPLING - 3/4P x 3/4FPT SWIVEL BSP	10
17856	COUPLING - 1/2P x 3/4FPT SWIVEL BSP	10
17873	COUPLING - 1/2P x 1/2FPT SWIVEL BSP	10



INSTALLATION GUIDELINES

FLAIR-IT PLUS FITTINGS ARE MANUFACTURED TO NSF STANDARD 14/61, AND HAVE BEEN TESTED AND LISTED BY IAPMO (UNIFORM PLUMBING CODE).

PLUMBING CODES VARY FROM REGION TO REGION AND CHANGE WITH THE INTRODUCTION OF NEW PRODUCTS. SPECIFIC CODE REQUIREMENTS SHOULD BE CHECKED PRIOR TO USING FLAIR-IT PLUS FITTINGS FOR INSTALLATIONS THAT REQUIRE ADHERENCE TO LOCAL CODES.

INSTALLERS OF FLAIR-IT PLUS FITTINGS SHOULD ADHERE TO THE GUIDELINES SET FORTH IN THIS MANUAL PERTAINING TO THE USE AND INSTALLATION OF PEX TUBING AND FLAIR-IT FITTINGS AND IN ACCORDANCE WITH SOUND PLUMBING PRACTICES.

PAGE 9 OF THIS CATALOG PROVIDES DETAILED INSTRUCTIONS FOR CONNECTING FLAIR-IT FITTINGS AND TUBING.

FLAIR-IT PLUS FITTINGS ARE DESIGNED FOR USE WITH PEX TUBING THAT IS MANUFACTURED TO ASTM F876/877.

FLAIR-IT PLUS IS NOT DESIGNED FOR USE ON POLYBUTYLENE TUBING.



PEX FITTINGS



VALVES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
17880	STRAIGHT STOP VALVE - 1/2P x 1/2P	10
17885	ANGLE STOP VALVE - 1/2P x 1/2P	10

COMING SOON FLAIR-IT PLUS 3/4" VALVE



ICE MAKER ACCESSORIES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
17834	TEE W/O VALVE - 1/2P x 1/2P x 1/8FPT	10
64858	NEEDLE VALVE - 1/8MPT x 1/4" COMPRESS.	10
15989	POLYETHYLENE TUBING - 1/4" OD	1



3/4" VALVE

RESISTANT TO CHLORINE LEVELS UP TO 30 PPM

THE MAXIMUM RESIDUAL DISINFECTANT LEVEL FOR CHLORINE SET BY THE ENVIRONMENTAL PROTECTION AGENCY FOR PUBLIC WATER SYSTEMS IS 4MG/L. TESTING BY SOLVAY ON UDEL® POLYSULFONE SHOWS THAT WEIGHT LOSS CREATED BY EXPOSURE TO CHLORINE AT LEVELS SEVEN TIMES THE EPA LIMIT IS LESS THAN 1%. DATA IS BASED UPON LABORATORY TESTING.



THE FLAIR-IT PLUS MANIFOLD

AVAILABLE
 IN
 2005



FITTINGS FOR THE 21ST CENTURY



FLAIR-IT PLUS IS NOT DESIGNED FOR USE ON POLYBUTYLENE TUBING.

BESTPEX

FROM FLAIR-IT

28053 • BARCODED BRASS DISPLAY • 1/2" & 3/4" FITTINGS



**B
E
S
T
P
E
X

R
A
T
C
H
E
T

T
O
O
L**

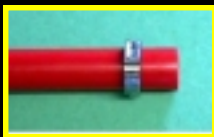
**ONE
TOOL**



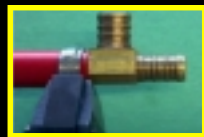
FOR
3/8" • 1/2"
3/4" • 1"
TUBING



USES A
STAINLESS
STEEL
CLAMP



SLIDE CLAMP
OVER TUBING



INSERT FITTING IN TUBING
AND GRASP CLAMP EAR



SQUEEZE RATCHET TOOL
HANDLES AND RELEASE



CLAMP
CONNECTED

ORDER TODAY • 800/842-2542

BESTPEX
By Flair-It

51122	51123	51125	51128	51130
51132	51133	51136	51139	51140
51149	51151	51152	51157	51158
51159	51160	51164	51165	51173
51174	51177	51190	51191	51193
51194	51198	51247	51248	51249
41242	41242	51182	51183	
68003	68004	68712	68713	
61118	61119	61228	61229	

28053 BRASS STARTER KIT

10 OF EACH ITEM

42-BIN TILT BIN DISPLAY

FREIGHT-PREPAID

THE **28053** INCLUDES

COPPER CRIMP RINGS

&

STAINLESS STEEL CLAMPS

FOR PEX AND POLYBUTYLENE!

GONDOLA NOT INCLUDED WITH DISPLAY

GET YOUR BRASS TODAY!
CALL FLAIR-IT SALES AT 800/842-2543

28053 - BEST PEX BRASS DISPLAY

ITEM	DESCRIPTION	QTY
51122	1/2"P x 1/2" MPT Male Adapter	10
51123	1/2"P x 3/4" MPT Male Adapter	10
51125	3/4"P x 3/4" MPT Male Adapter	10
51128	1/2"P x 1/2" FPT Female Adapter	10
51130	3/4"P x 3/4" FPT Female Adapter	10
51132	1/2"P x 1/2"P Coupling	10
51133	3/4"P x 3/4"P Coupling	10
51136	1/2"P x 3/4"P Coupling	10
51139	1/2"P x 1/2"P Elbow	10
51140	3/4"P x 3/4"P Elbow	10
51149	1/2"P x 1/2" FPT Elbow	10
51151	1/2"P x 1/2"P x 1/2"P Tee	10
51152	3/4"P x 3/4"P x 3/4"P Tee	10
51157	1/2"P x 1/2"P x 3/4"P Tee	10
51158	3/4"P x 1/2"P x 1/2"P Tee	10
51159	3/4"P x 1/2"P x 3/4"P Tee	10
51160	3/4"P x 3/4"P x 1/2"P Tee	10
51164	1/2"PB x 1/2"PEX Adapter	10
51165	3/4"PB x 3/4"PEX Adapter	10
51173	1/2" PEX Test Plug	10
51174	3/4" PEX Test Plug	10
51177	1/2" Faucet Term. - Plastic Nut	10
51190	1/2"P x 1/2" Male Sweat	10
51191	3/4"P x 3/4" Male Sweat	10
51193	1/2"P x 1/2" Female Sweat	10
51194	3/4"P x 3/4" Female Sweat	10
51198	1/2"P x 1/2" FPT Swivel Elbow	10
51247	1/2"P x 3/8"Comp Str Stop Valve	10
51248	1/2"P x 3/8"Comp Angle Stop Valve	10
51249	1/2"P x 1/2"P Str Stop Valve	10
41242	Copper Stub-Out - 1/2"P	10
51182	1/2"P x 1/2"P Long Handle Ball Valve	10
51283	3/4"P x 3/4"P Long Handle Ball Valve	10
68003	1/2" Polybutylene Crimp Ring	10
68004	3/4" Polybutylene Crimp Ring	10
68712	1/2" PEX Crimp Ring	10
68713	3/4" PEX Crimp Ring	10
61118	1/2" Tubing Size Oetiker PEX Clamp	10
61119	3/4" Tubing Size Oetiker PEX Clamp	10
61228	1/2" Tubing Size Oetiker PB Clamp	10
61229	3/4" Tubing Size Oetiker PB Clamp	10
01500	5-BIN TILT BINS	6
01400	4-BIN TILT BINS	3

BESTPEX

By FLAIR-It

51122	51123	51125	51128	51130
51132	51133	51136	51139	51140
51149	51151	51152	51157	51158
51159	51160	51164	51165	51173
51174	51177	51190	51191	51193
51194	51198	51247	51248	
51249	41242	51182	51183	
61118	61119	61228	61229	

28056 BRASS STARTER KIT

10 OF EACH ITEM

37-BIN TILT BIN DISPLAY

FREIGHT-PREPAID

THE 28056 INCLUDES

STAINLESS STEEL CLAMPS

FOR PEX AND POLYBUTYLENE!

GONDOLA NOT INCLUDED WITH DISPLAY

GET YOUR BRASS TODAY!
CALL FLAIR-It SALES AT 800/842-2543

28056 - BEST PEX BRASS DISPLAY

ITEM	DESCRIPTION	QTY
51122	1/2"P x 1/2" MPT Male Adapter	10
51123	1/2"P x 3/4" MPT Male Adapter	10
51125	3/4"P x 3/4" MPT Male Adapter	10
51128	1/2"P x 1/2" FPT Female Adapter	10
51130	3/4"P x 3/4" FPT Female Adapter	10
51132	1/2"P x 1/2"P Coupling	10
51133	3/4"P x 3/4"P Coupling	10
51136	1/2"P x 3/4"P Coupling	10
51139	1/2P" x 1/2P" Elbow	10
51140	3/4P" x 3/4P" Elbow	10
51149	1/2"P x 1/2" FPT Elbow	10
51151	1/2"P x 1/2"P x 1/2"P Tee	10
51152	3/4"P x 3/4"P x 3/4"P Tee	10
51157	1/2"P x 1/2"P x 3/4"P Tee	10
51158	3/4"P x 1/2"P x 1/2"P Tee	10
51159	3/4"P x 1/2"P x 3/4"P Tee	10
51160	3/4"P x 3/4"P x 1/2"P Tee	10
51164	1/2"PB x 1/2"PEX Adapter	10
51165	3/4"PB x 3/4"PEX Adapter	10
51173	1/2" PEX Test Plug	10
51174	3/4" PEX Test Plug	10
51177	1/2" Faucet Term. - Plastic Nut	10
51190	1/2"P x 1/2" Male Sweat	10
51191	3/4"P x 3/4" Male Sweat	10
51193	1/2"P x 1/2" Female Sweat	10
51194	3/4"P x 3/4" Female Sweat	10
51198	1/2"P x 1/2" FPT Swivel Elbow	10
51247	1/2"P x 3/8"Comp Str Stop Valve	10
51248	1/2"P x 3/8"Comp Angle Stop Valve	10
51249	1/2"P x 1/2"P Str Stop Valve	10
41242	Copper Stub-Out - 1/2"P	10
51182	1/2"P x 1/2"P Long Handle Ball Valve	10
51283	3/4"P x 3/4"P Long Handle Ball Valve	10
61118	1/2" Tubing Size Oetiker PEX Clamp	10
61119	3/4" Tubing Size Oetiker PEX Clamp	10
61228	1/2" Tubing Size Oetiker PB Clamp	10
61229	3/4" Tubing Size Oetiker PB Clamp	10
01500	5-BIN TILT BINS	5
01400	4-BIN TILT BINS	3

BRASS PEX FITTINGS



- BESTPEX fittings are manufactured of solid brass and comply with ASTM F877 and F1807 'Metal Insert Fittings' specifications.

- BESTPEX system components are listed under NSF (National Sanitation Foundation) International Standard 14 that defines requirements for ingredients, materials, products, quality assurance, marking, and performance criteria.

- BESTPEX system components are listed under NSF Standard 61 that defines requirements for toxicity.

- BESTPEX fittings are designed for use in potable hot and cold water distribution systems, are compatible for use with PEX tubing manufactured to ASTM F876/877, and in conjunction with other assembly materials manufactured to the appropriate ASTM standards.

- When using materials not purchased through BESTPEX or Flair-It, it is the installers' responsibility to insure tubing and additional materials contain proper ASTM identification and markings prior to installation.

- For a high quality plumbing system, we recommend the use of BESTPEX tubing with BESTPEX fittings.

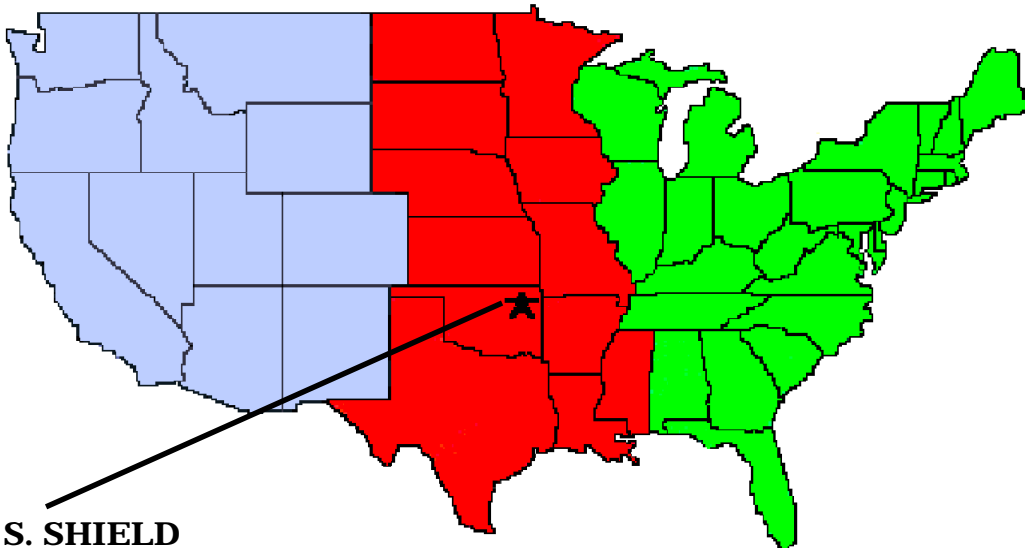


- GUIDELINES FOR THE PROPER HANDLING AND INSTALLATION OF PEX TUBING ARE FOUND ON PAGES 3 - 5 OF THIS CATALOG.

- CONSULT LOCAL CODES FOR ADDITIONAL JURISDICTION REQUIREMENTS WHEN INSTALLING PEX PLUMBING SYSTEMS

FOR TECHNICAL SUPPORT CONTACT:

FLAIR-IT SALES • 800/842-2543



**6601 S. SHIELD
OKLAHOMA CITY, OK 73149**

BRASS PEX FITTINGS

COUPLINGS



<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
51131	3/8" BARB X 3/8" BARB PEX COUPLING	10

51132	1/2" BARB X 1/2" BARB PEX COUPLING	10
-------	------------------------------------	----



51133	3/4" BARB X 3/4" BARB PEX COUPLING	10
-------	------------------------------------	----

51134	1" BARB X 1" BARB PEX COUPLING	10
-------	--------------------------------	----



51135	1/2" BARB X 3/8" BARB PEX COUPLING	10
-------	------------------------------------	----

51136	3/4" BARB X 1/2" BARB PEX COUPLING	10
-------	------------------------------------	----

51137	1" BARB X 3/4" BARB PEX COUPLING	10
-------	----------------------------------	----

PEX TO POLYBUTYLENE ADAPTERS



<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
51164	1/2" POLYBUTYLENE BARB X 1/2" PEX BARB ADAPTER	10
51165	3/4" POLYBUTYLENE BARB X 3/4" PEX BARB ADAPTER	10



PEX TO POLYBUTYLENE ADAPTERS

THE INSERT FOR POLYBUYLENE HAS ADDITIONAL RIBS ON THE BARB TIP AND REQUIRES THE USE OF A CLAMP OR CRIMP RING DESIGNED FOR POLYBUTYLENE TUBING.



68002-68004
PB Crimp Rings



61227-61229
PB Clamp Rings

BRASS PEX FITTINGS**ELBOWS**

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
51138	3/8" BARB X 3/8" BARB PEX ELBOW	10
51139	1/2" BARB X 1/2" BARB PEX ELBOW	10
51140	3/4" BARB X 3/4" BARB PEX ELBOW	10
51141	1" BARB X 1" BARB PEX ELBOW	10
51143	3/4" BARB X 1/2" BARB PEX ELBOW	10

**MALE ELBOWS**

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
51144	3/8" BARB X 1/2" MPT PEX ELBOW	10
51145	1/2" BARB X 3/8" MPT PEX ELBOW	10
51146	1/2" BARB X 1/2" MPT PEX ELBOW	10
51147	1/2" BARB X 3/4" MPT PEX ELBOW	10
51148	3/4" BARB X 3/4" MPT PEX ELBOW	10

**DROP EAR ELBOWS**

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
51149	1/2" BARB X 1/2" FPT PEX DROP EAR ELBOW	10
51113	3/4" BARB X 3/4" FPT PEX DROP EAR ELBOW	10

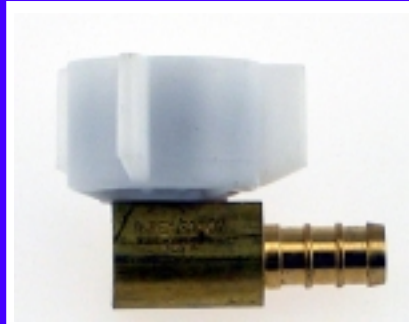


BRASS PEX FITTINGS

SWIVEL ELBOWS



<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
51110	3/4" BARB X 3/4" FPT SWIVEL ELL	10



51197	3/8" BARB X 1/2" FPT SWIVEL ELL/PLASTIC NUT	10
-------	---------------------------------------------	----

51198	1/2" BARB X 1/2" FPT SWIVEL ELL/PLASTIC NUT	10
-------	---------------------------------------------	----

FAUCET & BALLCOCK TERMINATION



<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
51176	3/8" BARB FAUCET TERM BRASS/PLASTIC NUT	10



51177	1/2" BARB FAUCET TERM BRASS/PLASTIC NUT	10
-------	-----------------------------------------	----

51178	3/8" BARB BRASS BALLCOCK/PLASTIC NUT	10
-------	--------------------------------------	----



51179	1/2" BARB BRASS BALLCOCK/PLASTIC NUT	10
-------	--------------------------------------	----

51195	3/8" PEX X 1/2" FPT SWW ADAPTER/BRASS NUT	10
-------	-------------------------------------------	----



51196	1/2" PEX X 1/2" FPT SWW ADAPTER/BRASS NUT	10
-------	-------------------------------------------	----

51199	3/4" PEX X 3/4" FPT SWW ADAPTER/BRASS NUT	10
-------	-------------------------------------------	----

BRASS PEX FITTINGS

TEES



<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
51111	1/2" BARB X 1/2" BARB X 1/2" MPT TEE	10
51112	3/8" BARB X 3/8" BARB X 1/2" MPT TEE	10
51150	3/8" BARB X 3/8" BARB X 3/8" BARB PEX TEE	10
51151	1/2" BARB X 1/2" BARB X 1/2" BARB PEX TEE	10
51152	3/4" BARB X 3/4" BARB X 3/4" BARB PEX TEE	10
51153	1" BARB X 1" BARB X 1" BARB PEX TEE	10
51155	1/2" BARB X 3/8" BARB X 3/8" BARB PEX TEE	10
51157	1/2" BARB X 1/2" BARB X 3/4" BARB PEX TEE	10
51158	3/4" BARB X 1/2" BARB X 1/2" BARB PEX TEE	10
51159	3/4" BARB X 1/2" BARB X 3/4" BARB PEX TEE	10
51160	3/4" BARB X 3/4" BARB X 1/2" BARB PEX TEE	10
51161	1" BARB X 3/4" BARB X 3/4" BARB PEX TEE	10
51162	1" BARB X 1" BARB X 3/4" BARB PEX TEE	10

TEST PLUGS



3/8"



1/2"



3/4"



1"

<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
51172	3/8" BARB PEX TEST PLUG	10
51173	1/2" BARB PEX TEST PLUG	10
51174	3/4" BARB PEX TEST PLUG	10
51175	1" BARB PEX TEST PLUG	10

BRASS PEX FITTINGS

MALE ADAPTERS



<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
51121	3/8" BARB x 1/2" MPT PEX MALE ADAPTER	10
51122	1/2" BARB x 1/2" MPT PEX MALE ADAPTER	10
51123	1/2" BARB x 3/4" MPT PEX MALE ADAPTER	10
51124	3/4" BARB x 1/2" MPT PEX MALE ADAPTER	10
51125	3/4" BARB x 3/4" MPT PEX MALE ADAPTER	10
51126	1" BARB x 3/4" MPT PEX MALE ADAPTER	10
51127	1" BARB x 1" MPT PEX MALE ADAPTER	10



FEMALE ADAPTERS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
51128	1/2" BARB x 1/2" FPT PEX FEMALE ADAPTER	10
51129	1/2" BARB x 3/4" FPT PEX FEMALE ADAPTER	10
51130	3/4" BARB x 3/4" FPT PEX FEMALE ADAPTER	10
51154	1" BARB x 1" FPT PEX FEMALE ADAPTER	10



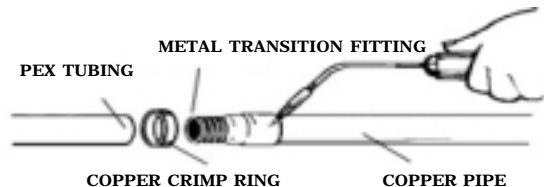
BRASS SWEAT ADAPTERS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
51189	3/8" PEX x 1/2" MALE SWEAT	10
51190	1/2" PEX x 1/2" MALE SWEAT	10
51191	3/4" PEX x 3/4" MALE SWEAT	10
51192	1" PEX x 1" MALE SWEAT	10
51193	1/2" PEX x 1/2" FEMALE SWEAT	10
51194	3/4" PEX x 3/4" FEMALE SWEAT	10



SOLDERING OR COPPER TRANSITION

SOLDER COPPER TRANSITION FITTINGS ONTO THE COPPER PIPE AND ALLOW TO COOL BEFORE CONNECTING TO PEX TUBING



BRASS PEX FITTINGS

COPPER MANIFOLDS

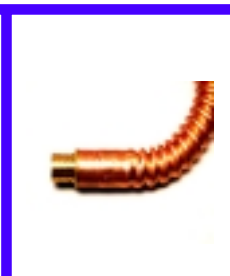


<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
41230	3 PORT MANIFOLD 1/2" PEX - 3/4" INLET/CLOSED	1
41231	3 PORT MANIFOLD 1/2" PEX - 3/4" INLET/OUTLET	1
41232	4 PORT MANIFOLD 1/2" PEX - 3/4" INLET/CLOSED	1
41233	4 PORT MANIFOLD 1/2" PEX - 3/4" INLET/OUTLET	1
41234	5 PORT MANIFOLD 1/2" PEX - 3/4" INLET/CLOSED	1
41235	5 PORT MANIFOLD 1/2" PEX - 3/4" INLET/OUTLET	1
41236	6 PORT MANIFOLD 1/2" PEX - 3/4" INLET/CLOSED	1
41237	6 PORT MANIFOLD 1/2" PEX - 3/4" INLET/OUTLET	1
41238	8 PORT MANIFOLD 1/2" PEX - 3/4" INLET/CLOSED	1
41239	8 PORT MANIFOLD 1/2" PEX - 3/4" INLET/OUTLET	1

COPPER MANIFOLDS W/VALVES

<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
41251	4 PORT MANIFOLD W/VALVES 3/4" INLET - 1/2" OUTLET	1
41252	5 PORT MANIFOLD W/VALVES 3/4" INLET - 1/2" OUTLET	1
41253	6 PORT MANIFOLD W/VALVES 3/4" INLET - 1/2" OUTLET	1
41286	4 PORT MANIFOLD W/VALVES 3/4" INLET - 3/4" OUTLET	1
41287	5 PORT MANIFOLD W/VALVES 3/4" INLET - 3/4" OUTLET	1
41288	6 PORT MANIFOLD W/VALVES 3/4" INLET - 3/4" OUTLET	1

ADDITIONAL COPPER ITEMS



<u>PART</u>	<u>DESCRIPTION</u>	<u>Qty</u>
41242	COPPER STUB-OUT	10
41205	MINI WATER HAMMER ARRESTOR	1
	1/2" PEX x 1/2" PEX TEE	
61562	3/4 FPT x 3/4 PEX 18" COPPER FLEX CONNECTOR	10

BRASS PEX FITTINGS

PLUMBING SYSTEM DESIGNS

Home Run (Manifold) System

A *HOME RUN SYSTEM* UTILIZES TWO CENTRALLY LOCATED MANIFOLDS, ONE FOR HOT AND ONE FOR COLD SERVICE. TYPICALLY, THESE WILL BE LOCATED AT THE WATER SOURCE FOR EACH, THE WATER METER FOR COLD AND THE WATER HEATER FOR HOT. FROM THESE LOCATIONS TUBING IS RUN TO EACH INDIVIDUAL FIXTURE. DEPENDING UPON THE NUMBER OF FIXTURES, THE MANIFOLDS WILL HAVE THE CORRESPONDING NUMBER OF PORTS.



THE BENEFITS OF USING A HOME RUN SYSTEM WITH A DEDICATED LINE TO EACH FIXTURE IS THE MAINTAINING OF A NEAR CONSTANT WATER PRESSURE, FLOW AND TEMPERATURE TO ALL FIXTURES. ADDITIONALLY, HOT WATER IS SUPPLIED TO FIXTURES MUCH FASTER, SAVING BOTH WATER AND ENERGY. A HOME RUN SYSTEM WILL UTILIZE THE FEWEST NUMBER OF FITTINGS WHILE REQUIRING THE MOST TUBING OF ALL PEX PIPING METHODS.

Zone Manifold System

THE *ZONE MANIFOLD SYSTEM* IS A COMBINATION OF BOTH THE HOME RUN AND THE TRADITIONAL TRUNK AND BRANCH PIPING METHODS, PROVIDING REDUCED INSTALLATION TIME, LESS TUBING, AND ISOLATION OF RUNS. HOT AND COLD TRUNK LINES ARE RUN AND ARE THEN EITHER BRANCHED TO REMOTELY LOCATED MANIFOLDS OR INCLUDE REMOTE MANIFOLDS WITHIN THE RUN. MANIFOLDS SHOULD BE PLACED IN THE VICINITY OF A SERVICE LOCATION, I.E. KITCHEN, BATHROOM, LAUNDRY.

FROM THE REMOTE MANIFOLD LOCATION, TUBING IS RUN TO EACH INDIVIDUAL FIXTURE. THE BENEFITS OF USING A ZONE MANIFOLD SYSTEM ARE SIMILAR TO A HOME RUN SYSTEM, WITH NEAR CONSTANT WATER PRESSURE, FLOW AND TEMPERATURE TO FIXTURES, AND FASTER HOT WATER DELIVERY. IT ALSO PROVIDES THE BENEFIT OF TRUNK & BRANCH SYSTEM BY REDUCING THE AMOUNT OF TUBING REQUIRED.



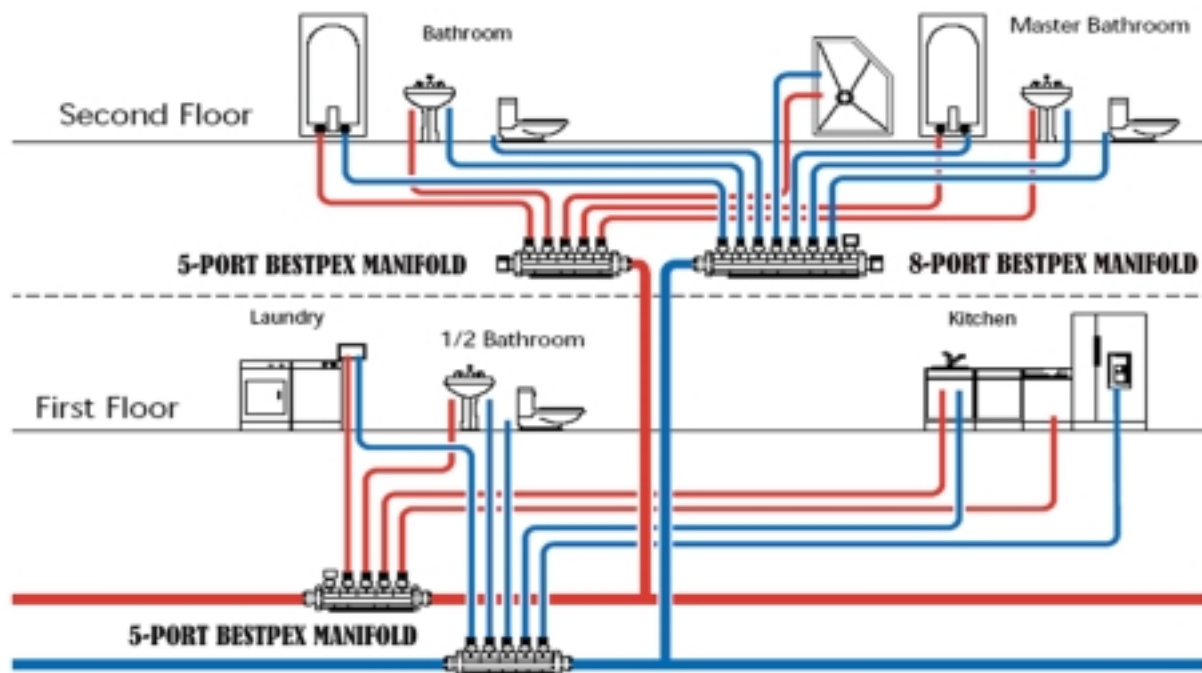
ZONE MANIFOLD PIPING SYSTEM WITH BESTPEX COPPER MANIFOLDS

A MANIFOLD LOCATION SHOULD BE CHOSEN THAT:

- IS ACCESSIBLE FOR FUTURE ACCESS.
- PROVIDES CONVENIENT ACCESS TO ALL FIXTURES.
- PERMITS EASY CONNECTIONS TO THE SUPPLY MAINS.
- PROVIDES ADEQUATE PROTECTION FROM FREEZING.

THIS DIAGRAM IS TO BE USED AS AN EXAMPLE OF A ZONE MANIFOLD SYSTEM. SOME ELEMENTS HAVE BEEN ELIMINATED FOR CLARITY.

ALWAYS FOLLOW CORRECT PIPING PRACTICES, ENGINEERING PRINCIPLES, AND ALL APPLICABLE LOCAL CODES DURING INSTALLATION.



BRASS PEX FITTINGS



LONG HANDLE BALL VALVES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
51182	1/2" P x 1/2" P LONG HANDLE BALL VALVE	10
51183	3/4" P x 3/4" P LONG HANDLE BALL VALVE	10
51184	1" P x 1" P LONG HANDLE BALL VALVE	10



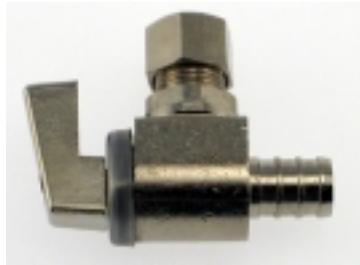
BRASS BALL VALVES • 1/4 TURN

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
51200	3/8" BARB x 3/8" BARB PEX BALL VALVE	10
51201	1/2" BARB x 1/2" BARB PEX BALL VALVE	10
51204	3/4" BARB x 3/4" BARB PEX BALL VALVE	10



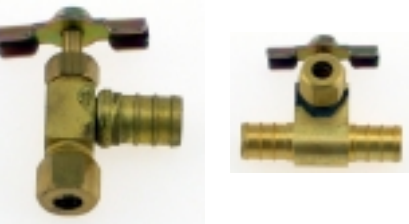
CHROME VALVES • 1/4 TURN TEFLON

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
51247	1/2" P x 3/8" COMP STR STOP VALVE	10



51248	1/2" P x 3/8" COMP ANGLE STOP VALVE	10
-------	-------------------------------------	----

51249	1/2" x 1/2" STR. STOP VALVE	10
-------	-----------------------------	----



ICE MAKER & WASH MACHINE VALVES

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
15989	1/4" OD POLYETHYLENE TUBING - BOXED ROLL 100'	1
51185	1/2" x 1/2" x 1/4" O.D. COMP. DRAIN VALVE	10
51187	1/2" x 1/4" O.D. COMPRESSION VALVE ELBOW	10
51188	1/2" BARB x 3/4" WASHING MACHINE HOOKUP	10



PEX CRIMP RINGS & CRIMP TOOLS

C
R
I
M
P



PEX CRIMP RINGS - BLACK



POLYBUTYLENE RINGS - COPPER

R
I
N
G
S

BESTPEX BRASS INSERT FITTINGS ARE DESIGNED TO BE INSTALLED INTO THE ENDS OF PEX TUBING. A PERMANENT, SEALED CONNECTION IS MADE BY PROPERLY CRIMPING A BLACK-COPPER RING AROUND THE TUBING, WHICH PRESSES THE TUBING INTO THE SPACES BETWEEN THE RIBS OF THE INSERTED FITTING.

BESTPEX BLACK-COLORED COPPER RINGS ARE MARKED "PEX" AND/OR SDR9 AND ARE ANNEALED FOR EASE OF CRIMPING. THE RINGS MUST BE LOCATED OVER THE RIBS OF THE INSERTED FITTING AND CRIMPED INTO PLACE WITH A CRIMPING TOOL.

DO NOT USE:

- COPPER-COLORED RINGS DESIGNED FOR POLYBUTYLENE SYSTEMS WITH PEX TUBING
- FITTINGS WHICH HAVE DEFECTS SUCH AS CUTS, GOUGES, OR ABRASIONS
- HOSE CLAMPS OR SOLVENT CEMENTS
- FITTINGS THAT ARE NOT MARKED "PEX", OR SDR9 AND/OR F1807
- LUBRICANTS OF ANY KIND ON THE TUBING OR FITTINGS



CRIMPING INSTRUCTIONS

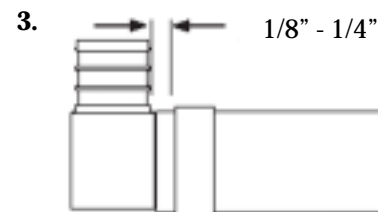
FOLLOW THESE INSTRUCTIONS CAREFULLY TO ENSURE PROPER CRIMP CONNECTIONS



CUT TUBING SQUARELY WITHOUT BURRS.



SLIDE THE CORRECT SIZE OF BLACK COPPER CRIMP RING OVER THE END OF THE TUBING.



INSERT FITTING INTO PIPE TO SHOULDER OR TUBE STOP • POSITION CRIMP RING 1/8" - 1/4" FROM END OF TUBING.

4. THE CRIMP RING MUST BE ATTACHED STRAIGHT.



• **KEEP TOOL AT 90°**

- **CENTER TOOL JAWS OVER RING**
- **CLOSE HANDLES COMPLETELY**

• DO NOT CRIMP TWICE

5. CHECK CRIMPS WITH GAUGE. TO CHECK: PUSH THE GAUGE DOWN STRAIGHT ONTO THE CRIMPED RING.

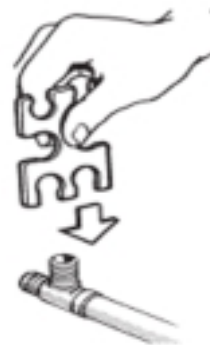
NEVER SLIDE GAUGE OVER RING FROM THE SIDE.



DO NOT ATTEMPT TO GAUGE THE CRIMP AT THE JAW OVERLAP AREA. THIS AREA IS INDICATED BY A SLIGHT REMOVAL OF THE BLACKING TREATMENT REVEALING THE UNDERLYING COPPER.

FOR RINGS CHECKED WITH GO/NO GO GAUGE: YOU HAVE A GOOD CRIMP IF THE



GO GAUGE FITS THE RING AND THE NO GO DOES NOT.

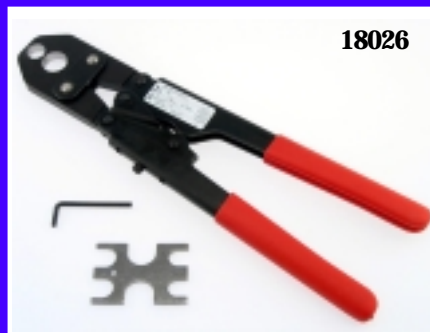
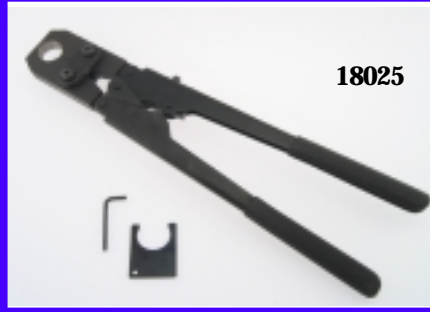


YOU HAVE A BAD CRIMP IF THE GO GAUGE DOES NOT FIT THE RING OR THE NO GO GAUGE DOES FIT.

INSERT FITTINGS WITH A BAD CRIMP SHOULD BE CUT OUT OF THE TUBING AND REPLACED.

CRIMP TOOLS

	<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
 <p>18022</p>	18022	3/8" HAND CRIMPER FOR PEX CRIMP RINGS	1
	18023	1/2" HAND CRIMPER FOR PEX CRIMP RINGS	1
	18024	3/4" HAND CRIMPER FOR PEX CRIMP RINGS	1
 <p>18023</p>	18025	1" HAND CRIMPER FOR PEX - 18-1/2" LENGTH	1
	18026	1/2" AND 3/4" COMBINATION CRIMP TOOL	1



GO NO/GO GAUGE

CRIMP TOOL CARE

- CHECK TOOL CALIBRATION BEFORE STARTING A JOB.
- CHECK EACH CRIMP WITH THE GO/NO GO GAUGE AND CALIBRATE TOOLS AS NECESSARY.
- EXAMINE TOOLS FREQUENTLY FOR LOOSE OR MISSING PARTS, WEAR AND DAMAGE.
- DO NOT USE TOOLS THAT ARE IN NEED OF REPAIR.
- A TOOL WITH WORN PARTS MAY NOT CALIBRATE.
- LUBRICATE ALL TOOL PIVOT POINTS REGULARLY WITH LIGHT OIL. WIPE OFF EXCESS OIL BEFORE USING TOOLS.



- DO NOT USE CRIMP TOOLS FOR OTHER PURPOSES.
- DO NOT THROW OR DROP TOOLS.
- DO NOT USE A CRIMP GAUGE WHICH IS BENT OR DAMAGED.

CRIMP TOOLS



18028

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
18027	3/8" COMPACT CRIMP TOOL - PEX CRIMP	1

18028	1/2" COMPACT CRIMP TOOL - PEX CRIMP	1
-------	-------------------------------------	---

18029	3/4" COMPACT CRIMP TOOL - PEX CRIMP	1
-------	-------------------------------------	---



18029

18030	14" COMBO CRIMPER 3/8" - 1/2" - 3/4" PEX	1
-------	------------------------------------------	---

18031	18" COMBO CRIMPER 3/8" - 1/2" - 3/4" - 1" P	1
-------	---------------------------------------------	---



18030



18031



18032

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
18032	1/2" RATCHET CRIMP TOOL - PEX CRIMP	1

**NEW RATCHET STYLE
CRIMPING TOOL!**

BRASS PEX FITTINGS**CHECKING CRIMP TOOL CALIBRATION**

ACCURATELY ADJUSTED CRIMPING TOOLS ARE CRITICAL TO THE SUCCESS OF THIS FITTING SYSTEM. IF THE CRIMPED RINGS DO NOT GAUGE PROPERLY, THE TOOLS NEED ADJUSTMENT.

THE METHOD FOR CHECKING THE CRIMPING TOOL FOR PROPER CALIBRATION IS:



1. ASSEMBLE AND CRIMP A FITTING

2. SLIDE THE CORRECT SIZE "GO" SIDE OF THE CRIMP GAUGE OVER THE CRIMP RING IN AT LEAST FOUR PLACES.

DO NOT GAUGE THE CRIMP AT THE JAW OVERLAP AREA.

3. IF THE "GO" SIDE OF THE GAUGE FAILS TO SLIDE OVER THE RING AT ANY POINT, THE CRIMP TOOL REQUIRES CALIBRATION (RING IS UNDER CRIMPED)



REMEMBER: A CRIMP TOOL WHICH HAS WORN PARTS MAY NOT CALIBRATE.

4. IF THE "GO" SIDE SLIDES OVER THE CRIMP RING, ATTEMPT TO SLIDE THE CORRECT SIZE "NO GO" SIDE OF THE GAUGE OVER THE CRIMP RING IN AT LEAST FOUR PLACES.

DO NOT GAUGE THE CRIMP AT THE JAW OVERLAP AREA.

5. IF THE "NO GO" SIDE OF THE GAUGE SLIDES OVER THE CRIMP RING AT ANY POINT, THE CRIMP TOOL REQUIRES CALIBRATION (RING IS OVER-CRIMPED)

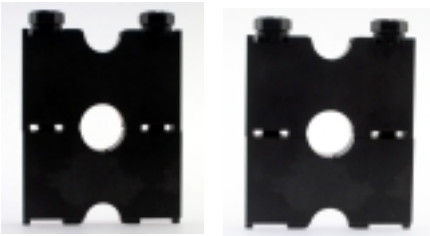
REMEMBER: A CRIMP TOOL WHICH REQUIRES FREQUENT CALIBRATION MAY REQUIRE REPAIR OR REPLACEMENT.



CRIMP TOOLS



<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
18599	UNIVERSAL CRIMP TOOL 3/8" - 1/2" - 3/4"	1



18600	BLOCK CRIMP TOOL FOR 1/2" & 3/4"	1
18601	BLOCK CRIMP TOOL FOR 3/8" & 1/2"	1



POLYBUTYLENE RINGS

CRIMP RINGS

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
68002	3/8" POLYBUTYLENE CRIMP RING	10 PK
68003	1/2" POLYBUTYLENE CRIMP RING	10 PK
68004	3/4" POLYBUTYLENE CRIMP RING	10 PK
68711	3/8" PEX CRIMP RING	10 PK
68712	1/2" PEX CRIMP RING	10 PK
68713	3/4" PEX CRIMP RING	10 PK
68714	1" PEX CRIMP RING	10 PK

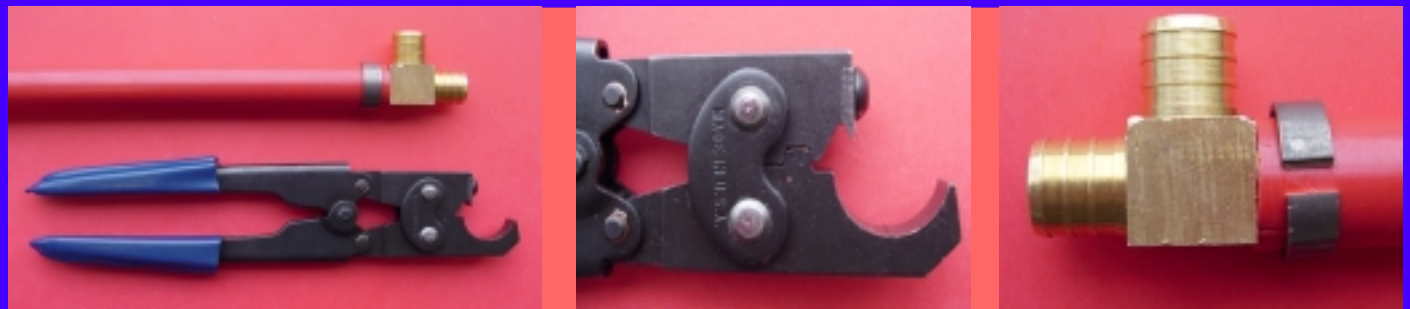


PEX CRIMP RINGS

CRIMP RING CUTTERS



<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
18033	1/2" CRIMP RING CUTTER	1
18034	3/4" CRIMP RING CUTTER	1



BESTPEX RACHET TOOL ASSEMBLY

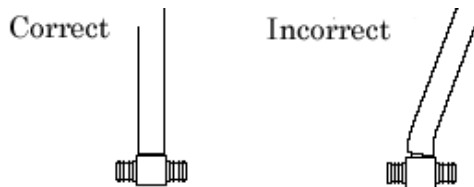
THE BESTPEX RACHET TOOL CLAMP SYSTEM UTILIZES A STAINLESS STEEL "STEPLESS" CLAMP TO SECURE PEX TUBING TO BRASS FITTINGS. THE CLAMPS PROVIDE A 360 DEGREE UNIFORM SEAL WHICH IS CONSTANTLY MAINTAINED BY THE UNIQUE SPRING ACTION OF THE CLAMP'S EAR.

THE ELASTIC MEMORY OF BESTPEX TUBING ALSO ENGAGES THE CLAMP'S SPRING ACTION, RESULTING IN AN EVER-TIGHTENING LEAKFREE CONNECTION. THIS CONNECTION WITHSTANDS EXTREME WATER PRESSURE, TEMPERATURE CHANGES, AND MULTIPLE FREEZE CYCLES. ALL SIZES OF THE CLAMPS ARE ASSEMBLED WITH THE BESTPEX RACHET TOOL.

ASSEMBLY OF CONNECTION

CUT THE TUBING SO THAT A CLEAN, STRAIGHT END IS PROVIDED. SLIDE THE CLAMP OVER THE TUBE END. INSERT A BRASS FITTING INTO THE TUBE END MAKING SURE THAT THE TUBE IS FULLY SEATED OVER THE INSERT BARB.

CARE MUST BE TAKEN TO ASSURE THAT THE TUBING IS POSITIONED STRAIGHT AS IT APPROACHES THE FITTING WITH SUFFICIENT SLACK OR SUPPORT SO THAT IT IS NOT BEING PULLED OR STRETCHED TO REACH THE FITTING.



THE CLAMP SHOULD NOW BE POSITIONED SO THAT IT IS 1/8" TO 1/4" FROM THE TUBING'S CUT END.

PLACE THE OPENED JAWS OF THE RACHET TOOL OVER THE RAISED EAR OF THE CLAMP. CHECK TO BE SURE THAT THE CLAMP IS STILL PROPERLY POSITIONED THEN, WITH THE TOOL HELD PERPENDICULAR TO THE TUBING, COMPRESS THE TOOL HANDLES.

CONTINUE UNTIL A FIRST "CLICK" IS FELT. THE TOOL RACHET IS NOW ENGAGED AND THE CLAMP IS LOCKED ONTO THE TUBING. THE TOOL HANDLES CAN NOW BE COMPRESSED TOGETHER TO COMPLETE THE ASSEMBLY. THE RACHET TOOL WILL NOT RELEASE UNTIL THE ASSEMBLY IS COMPLETED.

REMOVAL OF A COMPLETED CONNECTION

IF REQUIRED, BESTPEX CLAMPS MAY BE REMOVED BY PRYING THE END OF THE CLAMP TAB UP AND PULLING IT UP AND AWAY FROM THE RETAINING EAR.

AFTER REMOVAL OF A CLAMP, THE PREVIOUSLY CLAMPED SECTION OF THE TUBING SHOULD BE CUT OFF PRIOR TO ASSEMBLY OF A NEW CONNECTION.

**BESTPEX
STAINLESS STEEL CLAMP**

The BESTPEX Clamp is manufactured of #304 annealed stainless steel to ASTM F2098.

The clamp is an interlocking ring that forms a complete 360° uniform watertight seal which is constantly maintained by the clamp's unique spring action.

No gauge is required to check the completed clamp.

**BESTPEX 41116
RACHET TOOL**

SLIDE CLAMP
OVER TUBING



INSERT FITTING
IN TUBING AND
GRASP CLAMP EAR



SQUEEZE RATCHET
TOOL HANDLES
AND RELEASE



CLAMP CONNECTED



BESTPEX RATCHET TOOL FOR OETIKER CLAMPS

PART #

41116



THE BESTPEX RATCHET TOOL WORKS
ON PEX & POLYBUTYLENE TUBING

FITS FOUR SIZES OF TUBING
3/8" - 1/2" - 3/4" - 1"

- NO TOOL CALIBRATING
- NO GAUGING CLAMPS



OETIKER STAINLESS STEEL CLAMPS

PEX CLAMPS



<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
61117	3/8" TUBING SIZE OETIKER PEX CLAMP	10-PK
61118	1/2" TUBING SIZE OETIKER PEX CLAMP	10-PK
61119	3/4" TUBING SIZE OETIKER PEX CLAMP	10-PK
61120	1" TUBING SIZE OETIKER PEX CLAMP	10-PK

POLYBUTYLENE CLAMPS



<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY</u>
61227	3/8" TUBING SIZE OETIKER POLYBUTYLENE CLAMP	10-PK
61228	1/2" TUBING SIZE OETIKER POLYBUTYLENE CLAMP	10-PK
61229	3/4" TUBING SIZE OETIKER POLYBUTYLENE CLAMP	10-PK

PLUMBING SYSTEM TESTING

1. Upon completion of the installation, the plumbing system should be filled and hydrostatically tested. Use only POTABLE water for testing.



WATER TESTING SHALL BE AVOIDED DURING FREEZING CONDITIONS.

(See options 3 and 4 below.)

2. Hydrostatic testing of the plumbing system is to be conducted according to local code requirements. Test pressure shall be at least the expected working pressure of the system, but not less than 40 psi nor greater than 225 psi.

NOTE: Some plumbing fixtures may not withstand test pressures greater than 80 psi. Consult fixture manufacturers instructions for pressure limitations or plug all distribution lines at the fixture end. The system shall, at a minimum, withstand the test pressure, without leaking, for a period of 15 minutes.



WARNING! PRESSURES USED IN TESTING CAN BLOW UNMADE OR INCOMPLETE CONNECTIONS APART WITH TREMENDOUS FORCE!

This force is much greater when air is used as a test media. To reduce the risk of injury, ensure that all connections are completed before testing. Use only the pressure and time required to determine that the system is leak free.

3. Fluid testing the system at temperatures below freezing (less than 32°F, 0°C) may be performed using a solution of water and NON-TOXIC antifreeze such as propylene glycol (RV antifreeze). If such a solution is used, the antifreeze solutions must be sufficiently concentrated to withstand the lowest temperature encountered while the testing fluid is in the system. Antifreeze solutions should be purged and the system flushed with potable water prior to consumer use.



THE WATER HEATER SHALL BE ISOLATED AND NOT INCLUDED IN THE SYSTEM AIR TEST.

4. Air pressure testing of a plumbing system is acceptable and preferred to hydrostatic testing in areas where cold weather could freeze the system or where water is not available. We recommend that the installer pressurize the system with compressed air or another acceptable test medium, such as dry nitrogen, after installing and capping distribution lines. Air testing shall utilize a pressure of not less than 40 psi and not greater than 100 psi.

The system shall be tested for a minimum of 15 minutes. During the test, system pressure shall drop no more than 8 psi in the one hour period. If the pressure in the system declines more than 8 psi during the minimum 15 minute period, re-pressurize the system to the original test pressure, and retest.* If the system pressure declines more than 8 psi again during the test period, test the distribution line test caps or any other fittings in the system with the approved leak detection solution.

(Any connection found to be in question must be replaced or remade and the pressure test repeated.)

If it's determined that the connections are leak free, then the tubing must be inspected for damage. Damaged sections must be cut out and repaired with a coupler or if feasible, the tubing section replaced.

For leak detection, use only a mixture of Original Palmolive Green™ dishwashing soap (#46100-46200) or Palmolive Ultra™ (#356140 or 46128) mixed with potable water at a ratio of 2 ounces of soap to one gallon of water (mix Ultra at a ratio of 1.5 ounces per gallon.)

***During the initial test pressurization period, the system pressure indicated on the gauge may decrease due to the initial deformation of the pipe, followed by slow expansion. The pressure drop is dependent on ambient temperature, system capacity, and test pressure but shall not be more than 8 psi in an hour.**

Test shall be conducted when significant changes to temperature *AREN'T* expected.

Please note significant changes in ambient temperature also can affect system pressure.

WATER (NOT ANTIFREEZE SOLUTION) MUST BE PURGED OR DRAINED FROM THE SYSTEM IF TEMPERATURES ARE EXPECTED TO FALL BELOW FREEZING (32°F, 0°C).

Low pressure compressed air can be used for purging.

FOLLOW ANTIFREEZE MANUFACTURERS INSTRUCTIONS FOR CONCENTRATIONS.

USE ONLY NON-TOXIC ANTIFREEZE APPROVED FOR USE IN DRINKING WATER SYSTEMS.

