



WEIFANG PALCONN PLASTICS TECHNOLOGY CO.,LTD



ASTM F876/877 Standard PEX Tubing

PEX Tubing(Non-Barrier)



	Specification	Length
Coils	1/4"	250ft
	1/4"	300ft
	1/4"	500ft
	1/4"	1000ft
	3/8"	250ft
	3/8"	300ft
	3/8"	500ft
	3/8"	1000ft
	1/2"	100ft
	1/2"	250ft
	1/2"	300ft
	1/2"	500ft
	1/2"	1000ft
	5/8"	100ft
	5/8"	250ft
	5/8"	300ft
	5/8"	500ft
	5/8"	1000ft
	3/4"	100ft
	3/4"	250ft
	3/4"	300ft
	3/4"	500ft
	3/4"	1000ft
	1"	100ft
	1"	250ft
	1"	300ft
	1"	500ft
	1"	1000ft
	1-1/4"	100ft
	1-1/4"	250ft
1-1/4"	300ft	
1-1/4"	500ft	
1-1/2"	100ft	
1-1/2"	250ft	
1-1/2"	300ft	
2"	100ft	



	Specification	Length
Sticks	1/4"	20ft
	3/8"	20ft
	1/2"	20ft
	5/8"	20ft
	3/4"	20ft
	1"	20ft
	1-1/4"	20ft
	1-1/2"	20ft
	2"	20ft

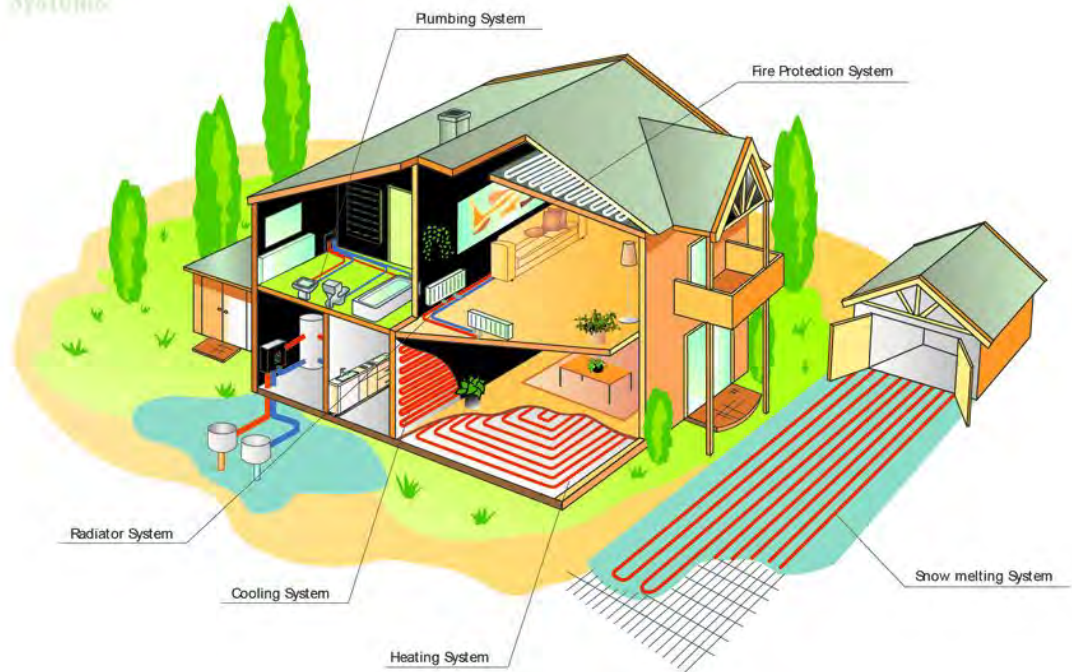
ASTM F876/877 Standard PEX Tubing

PEX Tubing(With Oxygen-Barrier)



Specification			Length		
Coils	1/4"	250ft	Coils	3/4"	100ft
	1/4"	300ft		3/4"	250ft
	1/4"	500ft		3/4"	300ft
	1/4"	1000ft		3/4"	500ft
	3/8"	250ft		3/4"	1000ft
	3/8"	300ft		1"	100ft
	3/8"	500ft		1"	250ft
	3/8"	1000ft		1"	300ft
	1/2"	100ft		1"	500ft
	1/2"	250ft		1"	1000ft
	1/2"	300ft		1-1/4"	100ft
	1/2"	500ft		1-1/4"	250ft
	1/2"	1000ft		1-1/4"	300ft
	5/8"	100ft		1-1/4"	500ft
	5/8"	250ft		1-1/2"	100ft
	5/8"	300ft		1-1/2"	250ft
	5/8"	500ft		1-1/2"	300ft
	5/8"	1000ft		2"	100ft

Systems





ASTM F1281 standard PEX-AL-PEX pipe

I .Pipe Description:

PEX-AL-PEX composite pipe is composite pipe of five layers,inside and outside layers of which are made of Cross-Linked(PEX),tightly bonded with melt adhesive to the mid-layer of aluminum core which is longitudinally welded in a butt-welded or overlap-welded way,this kind of pipe is the perfect union of metal and the plastic ones.

II .Advantages:

- 1.Compared with the metal pipe,the composite pipe has the same strength,easy to bend,reluctant to retain former shape;
- 2.Super properties of high temperature,high pressure and corrosion resistance;
- 3.Smooth inner surface of the pipe reduces resistance to the fluids.The ability to conduct water is 30%more efficient;
- 4.Good property of heat preservation,heat conduction coefficient is 0.45W/m.k,which is much less than metal pipes and it can save insulation materials outside the pipe;
- 5.Easy to cut and install;

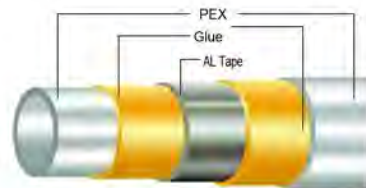
III .Application:

- 1.Under floor heating;
- 2.Heating system of Cali duct and wall,the equipment for snow melting in cold regions;
- 3.Heat and cold pipes for life,solar energy water heater,irrigation engineer in agriculture;
- 4.Pipes for coal gas and natrual gas,air-condition and blower;
- 5.Pipes for electric wire and cable;
- 6.Pipes for oil and industrial liquids transportation.

IV .Pipe size range



Size(inch)	PALCONN Code
3/8"	PAP-OW3/8"
1/2"	PAP-OW1/2"
5/8"	PAP-OW5/8"
3/4"	PAP-OW3/4"
1"	PAP-OW1"
1-1/4"	PAP-OW1-1/4"



PEX-AL-PEX



ASTM F1281 Standard PEX-AL-PEX Brass Compression Fitting



Straight Nipple Male

Size(mm)	PALCONN Code
1/2"x1/2"M	PAL-ASTM-C01
1/2"x3/4"M	
5/8"x1/2"M	
5/8"x3/4"M	
3/4"x3/4"M	
3/4"x1"M	
1"x3/4"M	
1"x1"M	



Straight Nipple Female

Size(mm)	PALCONN Code
1/2"x1/2"F	PAL-ASTM-C02
1/2"x3/4"F	
5/8"x1/2"F	
5/8"x3/4"F	
3/4"x3/4"F	
3/4"x1"F	
1"x3/4"F	
1"x1"F	



Straight Nipple Double

Size(mm)	PALCONN Code
1/2"	PAL-ASTM-C03
1/2"x5/8"	
5/8"	
3/4"	
3/4"x5/8"	
1"	



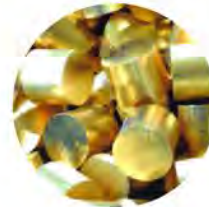
Elbow Male

Size(mm)	PALCONN Code
1/2"x1/2"M	PAL-ASTM-C04
1/2"x3/4"M	
5/8"x1/2"M	
5/8"x3/4"M	
3/4"x3/4"M	
3/4"x1"M	
1"x3/4"M	
1"x1"M	



Elbow Female

Size(mm)	PALCONN Code
1/2"x1/2"F	PAL-ASTM-C05
1/2"x3/4"F	
5/8"x1/2"F	
5/8"x3/4"F	
3/4"x3/4"F	
3/4"x1"F	
1"x3/4"F	
1"x1"F	





ASTM F1281 Standard PEX-AL-PEX Brass Compression Fitting



Elbow Double

Size(mm)	PALCONN Code
1/2"	PAL-ASTM-C06
1/2"x5/8"	
5/8"	
3/4"	
1"	



Tee Male

Size(mm)	PALCONN Code
1/2" x1/2"Mx1/2"	PAL-ASTM-C07
1/2"x3/4"Mx1/2"	
5/8"x1/2"Mx5/8"	
5/8"x3/4"Mx5/8"	
3/4"x3/4"Mx3/4"	
3/4"x1"Mx3/4"	
1"x3/4"Mx1"	
1"x1"Mx1"	



Tee Female

Size(mm)	PALCONN Code
1/2" x1/2"Fx1/2"	PAL-ASTM-C08
1/2"x3/4"Fx1/2"	
5/8"x1/2"Fx5/8"	
5/8"x3/4"Fx5/8"	
3/4"x3/4"Fx3/4"	
3/4"x1"Fx3/4"	
1"x3/4"Fx1"	
1"x1"Fx1"	



Tee

Size(mm)	PALCONN Code
1/2"	PAL-ASTM-C09
5/8"	
3/4"	
1"	
1/2"x5/8"x1/2"	
5/8" x1/2"x1/2"	
5/8"x1/2"x5/8"	
5/8"x5/8"x1/2"	
3/4"x1/2"x3/4"	
3/4"x5/8"x3/4"	



Wallplate Elbow Female

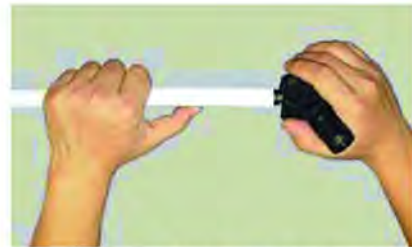
Size(mm)	PALCONN Code
1/2"x1/2"F	PAL-ASTM-C010
1/2"x3/4"F	
5/8"x1/2"F	
5/8"x3/4"F	
1/2"	



Compression fitting.



1. Cut pipe at right-angles using a pipe cutter.



2. Round and bevel the endholes and make a no-less-than-2 minimeter incline.



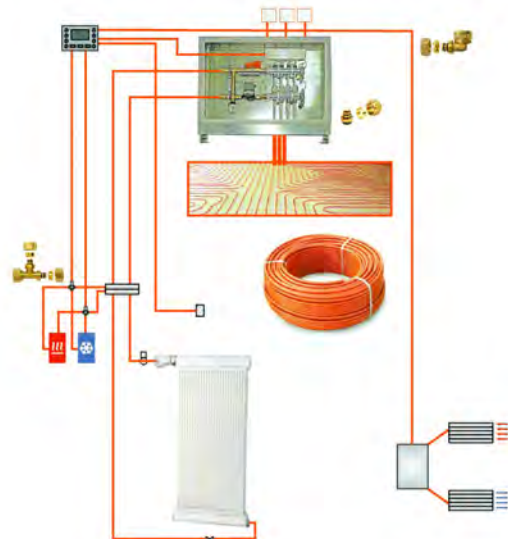
3. Choose the right size fitting according to the pipe, put the nut over the pipe, slide the compression ring over the pipe, make sure the mouth of the nut and the pipe faces the same direction.



4. Push the inserts into the pipe up to the shoulder; thake care not to damage the O-ring.



5. Use a spanner to tighten it up completely.



ASTM ASTM F1807 standard Pex
Crimp fittings matching for ASTM
Standard 876/877 Pex pipe



Elbow



Size(mm)	PALCONN Code
3/8 PEX Elbow	PAL-ASTM-P01
1/2 x 3/8 PEX Elbow	
1/2 PEX Elbow	
3/4 x 1/2 PEX Elbow	
3/4 PEX Elbow	
1 PEX Elbow	
1 1/4" PEX	

TEE



Size(mm)	PALCONN Code
3/8 PEX Tee	PAL-ASTM-P02
3/8 x 3/8 x 1/2 PEX Tee	
1/2 x 3/8 x 3/8 PEX Tee	
1/2 x 3/8 x 1/2 PEX Tee	
1/2 x 1/2 x 3/8 PEX Tee	
1/2 PEX Tee	
1/2 x 1/2 x 3/4 PEX Tee	
3/4 x 1/2 x 1/2 PEX Tee	
3/4 x 1/2 x 3/4 PEX Tee	
3/4 x 3/4 x 3/8 PEX Tee	
3/4 x 3/4 x 1/2 PEX T	
3/4 PEX Tee	
3/4 x 3/4 x 1 PEX Tee	
1 x 3/4 x 3/4 PEX Tee	
1 x 1 x 1/2 PEX Tee	
1 x 1 x 3/4 PEX Tee	
1 PEX Tee	

COUPLING



Size(mm)	PALCONN Code
3/8 PEX Coupling	PAL-ASTM-P03
1/2 x 3/8 PEX Coupling	
1/2 PEX Coupling	
3/4 x 1/2 PEX Coupling	
3/4 PEX Coupling	
1 x 3/4 PEX Coupling	
1 PEX Coupling	



PLUG

Size(mm)	PALCONN Code
3/8 PEX Plug	PAL-ASTM-P04
1/2 PEX Plug	
3/4 PEX Plug	
1 PEX Plug	

MPT Adapter



Size(mm)	PALCONN Code
3/8 x 1/2 MPT Adapter	PAL-ASTM-P05
1/2 PEX x 1/2 MPT Adapter	
1/2 PEX x 3/4 MPT Adapter	
3/4 PEX x 1/2 MPT Adapter	
3/4 PEX x 3/4 MPT Adapter	
3/4 PEX x 1 MPT Adapter	
1 PEX x 3/4 MPT Adapter	
1 PEX x 1 MPT Adapter	



FPT Adapter

Size(mm)	PALCONN Code
3/8 PEX x 1/2 FPT Adapter	PAL-ASTM-P06
1/2 PEX x 1/2 FPT Adapter	
1/2 PEX x 3/4 FPT Adapter	
3/4 PEX x 3/4 FPT Adapter	
3/4 PEX x 1 FPT Adapter	
1 PEX x 1 FPT Adapter	



Male Sweat Adapter



Size(mm)	PALCONN Code
3/8 PEX x 1/2 Male Sweat Adapter	PAL-ASTM-P07
1/2 PEX x 1/2 Male Sweat Adapter	
3/4 PEX x 3/4 Male Sweat Adapter	
1 PEX x 1 Male Sweat Adapter	

Female Sweat Adapter



Size(mm)	PALCONN Code
1/2 PEX x 1/2 Female Sweat Adapter	PAL-ASTM-P08
3/4 PEX x 3/4 Female Sweat Adapter	
1 PEX x 1 Female Sweat Adapter	

Male Sweat Elbow



Size(mm)	PALCONN Code
1/2 PEX x 1/2 Male Sweat Elbow	PAL-ASTM-P09
1/2 PEX x 3/4 Male Sweat Elbow	
3/4 PEX x 3/4 Male Sweat Elbow	

Female Sweat Elbow



Size(mm)	PALCONN Code
1/2 PEX x 1/2 Female Sweat Elbow	PAL-ASTM-P10
1/2 PEX x 3/4 Female Sweat Elbow	
3/4 PEX x 3/4 Female Sweat Elbow	

MPT Elbow



Size(mm)	PALCONN Code
1/2 PEX x 3/8 MPT Elbow	PAL-ASTM-P11
1/2 PEX x 1/2 MPT Elbow	
1/2 PEX x 3/4 MPT Elbow	
3/4 PEX x 3/4 MPT Elbow	
3/4 PEX x 1 MPT Elbow	

FPT Drop Ear Elbow



Size(mm)	PALCONN Code
1/2 PEX x 1/2 FPT Drop Ear Elbow	PAL-ASTM-P12
1/2 PEX x 3/4 FPT Drop Ear Elbow	
3/4 PEX x 3/4 FPT Drop Ear Elbow	

CRIMP RING



Size(mm)	PALCONN Code
3/8"	PAL-ASTM-P12
1/2"	
3/4"	
1"	
1-1/4"	
1-1/2"	
2"	

Single Ear Hose Clamp



Size(mm)	PALCONN Code
3/8"	PAL-ASTM-P13
1/2"	
3/4"	
1"	
1-1/4"	
1-1/2"	
2"	

Unitary Clamp



Size(mm)	PALCONN Code
1/2"	PAL-ASTM-P14
3/4"	
1"	
1-1/4"	
1-1/2"	
2"	

ASTM F1807 Standard PEX Crimp Fittings



Step 1: Cutting the pipe

Cut the pipe vertically by pex pipe cutter. Make sure to cut it quickly and precisely.



Step 2: Selecting fitting and jaw

Choose the right size of fitting and jaw of the crimping tool.



Step 3: Sleeving

Put the copper crimp ring over the pipe at the open end. Later, insert the fitting body into the pex pipe until the shoulder of the fitting reach the pex pipe, make sure the insert is completely inside the pipe, and the contact between fitting and pipe is clean and free of impurity.



Step 4: Pressing

Open the crimping tool and put the fitting into the jaw. Press the jaw until it closes completely. While pressing, make sure the crimping jaw is vertical to the pipe, the pressing contact must be free of impurity.



Step 5: Checking

Use the GO/NO GO gauge to check whether the pressing is completed. If the crimp ring slides into the "GO" slot, but stops at the shoulder in the "GO" slot, then the pressing is acceptable.

PALCONN PIPE TOOLS

PEX PIPE CLAMPLING SERIES TOOLS:



PEX CRIMP TOOL: Meet ASTM F1807 standard.
Factory tuned & Go-No go gage included.

SIZE: 3/8" -1-1/4"

MULTI-HEAD PEX TOOLS



Clamp type



Crimp type

Including 4 jaws: 3/8", 1/2", 3/4", 1".
Factory tuned & Go-No go gage included. In plastic case

PEX Pipe Expander Tools



APPLICATION



pipes and fittings



composite pipes and fittings



heating supply



water supply



gas pipe



air conditioning



solar energy



outdoor snow-melt



office and residential buildings



swimming pool



villa



ship



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