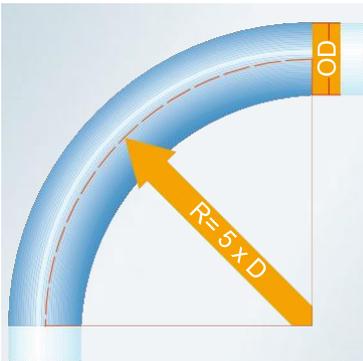


Cold Bending

Myson PEX is highly flexible and can be easily handled and laid out on the construction site. However there is a minimum bend radius that should be maintained.

Minimum bend = 5 x diameter

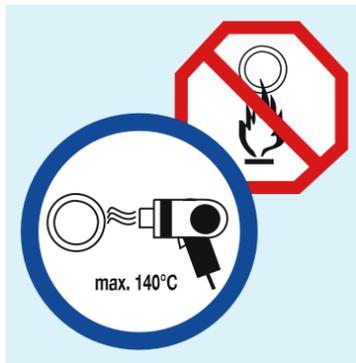
This minimum is five times the outside diameter (*OD in the picture*). If using a pipe guide bend, 3.5 x diameter is permissible.



Minimum Bend Radius	
Pipe Size (nominal – inches)	Bend Radius (inches)
3/8"	2-1/2"
1/2"	3-1/8"
5/8"	3-3/4"
3/4"	4-3/8"
1"	5-5/8"

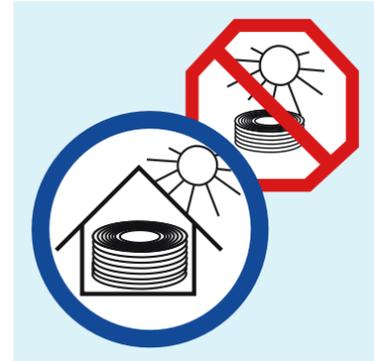
Warm Bending

Myson PEX can be permanently formed with an appropriate heat source (not an open flame), provided the pipe surface temperature remains below 284°F (140°C). The pipe can be shaped into almost any shape desired. Kinks that may occur during installation may be repaired in this manner as well (be sure to inspect the kink before bending and do not perform this technique if the pipe wall has been damaged).



Ultraviolet (sunlight)

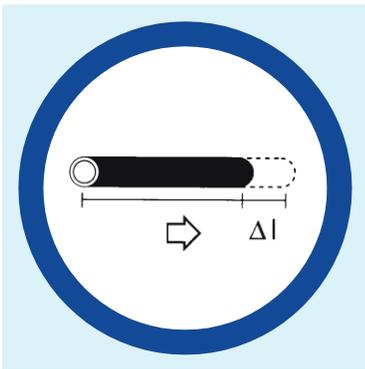
Sunlight and other sources of ultraviolet radiation will damage PEX pipes and impact long-term performance and pipe life. Avoid exposure to sunlight. Protect pipes from exposure before, during and after installation.



Thermal Expansion

The length of a PEX pipe run will increase as the temperature increases. Similarly, it will contract when cooling. This change in length must be considered during installation.

Visit the Myson website for detailed information about the amounts to expect for your specific application. Here are some examples of what to be prepared for:

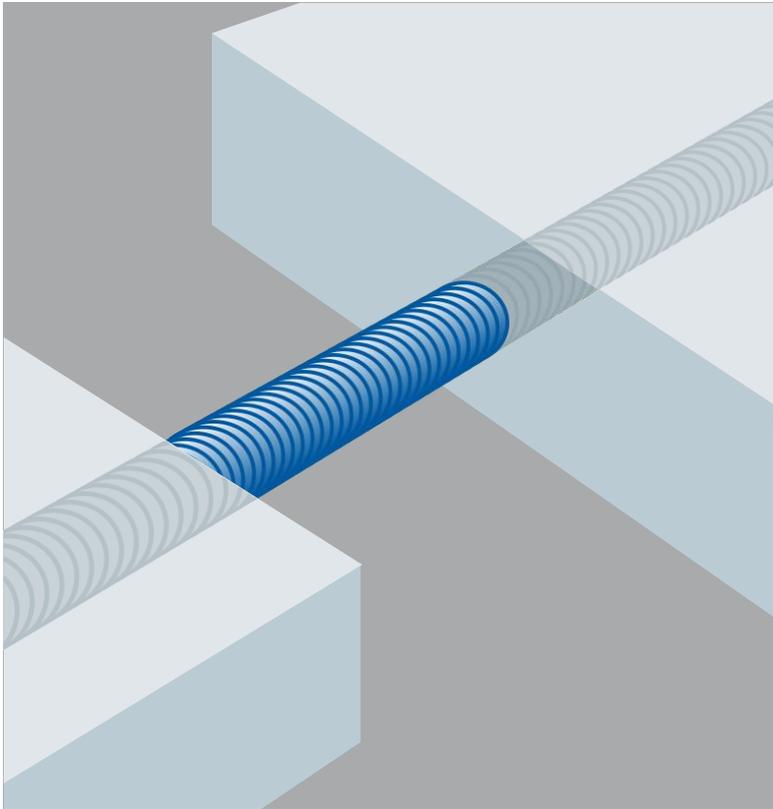


Expansion Examples		
Pipe Start Temp (°F)	Pipe Max Temp. (°F)	Change in Length (inches)
68	140	8
68	160	10 ⁻³ / ₄
68	180	13 ⁻⁵ / ₈
Expansion – per 100 feet of run		

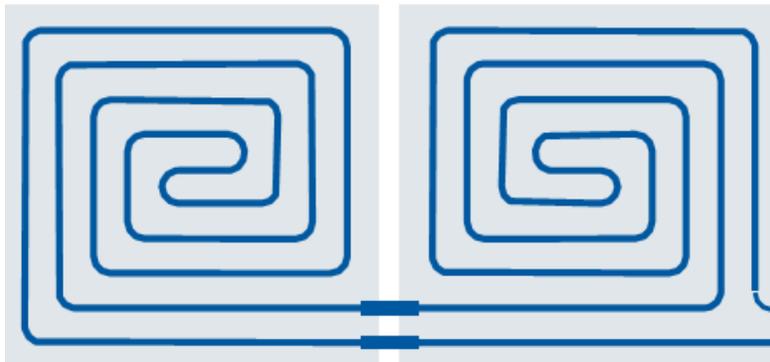
When pipes are laid in concrete or other similar thermal mass materials, this expansion is taken up by the pipe wall.

Expansion Joints

Pipes need to be protected when passing through concrete expansion joints.



Corrugated polyethylene tubing is a good choice for protecting Myson PEX when crossing expansion joints.



Antifreeze & Myson PEX

It is acceptable to use antifreeze solutions with Myson Comfort Fit PEX. While a variety of antifreeze types are acceptable, please consult the manufacturer for correct application and maintenance.

To assist with calculating fluid content contained within PEX, here is a useful guideline:

Fluid Volume Guideline	
Pipe Size (nominal – inches)	Fluid Content (gal/100 feet)
$\frac{3}{8}$ "	0.50
$\frac{1}{2}$ "	0.96
$\frac{5}{8}$ "	1.34
$\frac{3}{4}$ "	1.84
1"	3.05