



Mr. PEX® Tubing - Bending radii

The minimum acceptable bending radius in accordance with ASTM F 877 is 6 times the tubing outside diameter. Due to the unique flexibility of Mr PEX® Tubing - as compared to conventional PEX tubing, we allow a bending radius of 4 times the outside diameter.

The outside diameter is equal to the nominal size plus 1/8". Below table is a comparison of minimum bending radii of PEX in accordance with ASTM and bending radii of Mr PEX® Tubing. There is also a listing of the corresponding center distances when exiting the bend. Note that the actual center distances of the tubing in a radiant floor heating layout can be made somewhat narrower by allowing a so called "pear shaped" bend.

Nominal size; inch	Actual size; inch	Bending radii ASTM F 877	Bend c/c ASTM F 877	Bending radii Mr PEX®	Bend c/c Mr PEX®
3/8	1/2	3	6	2	4
1/2	5/8	3 3/4	7 1/2	2 1/2	5
5/8	3/4	4 1/2	9	3	6
3/4	7/8	5 1/4	10 1/2	3 1/2	7
1	1 1/8	6 3/4	13 1/2	4 1/2	9

Note that above c/c measures applies to the center line of the tubing

Mr. PEX® Tubing - Thermal Conductivity

The thermal conductivity of Mr. PEX® Tubing does not measurably differ from that of other PEX tubing. It is 0.22 Btu / (h * °F)

Mr. PEX® Tubing - Measurements

Mr. PEX Tubing is manufactured in accordance with ASTM F 876. See details of the specification, below. Our control of measurements is second to none. Measurements are supervised by NSF International 4 times per year.

Nominal size; inch	Actual size; inch	Tolerance allowed	Wall thickness	Tolerance allowed
3/8	1/2	± 0.003	0.070	+0.010
1/2	5/8	± 0.004	0.070	+0.010
5/8	3/4	± 0.004	0.083	+0.010
3/4	7/8	± 0.004	0.097	+0.010
1	1 1/8	± 0.005	0.125	+0.013

All measurements are in inches.

Mr. PEX® Tubing - Ratings

Mr PEX® Tubing carries following ratings as issued by Plastic Pipe Institute:
 73°F: 160 psi - 180°F: 100 psi - 200°F: 80 psi