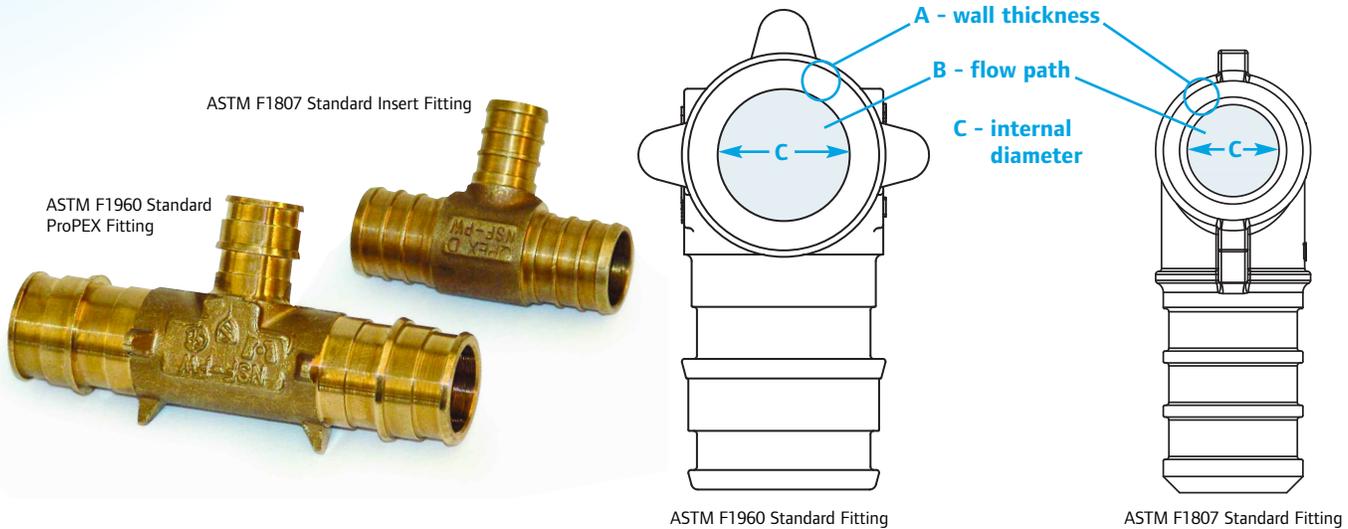


How does the Brass ASTM F1960 Standard Uponor ProPEX® Fitting System compare with ASTM F1807 Standard Insert Fittings?



	ASTM F1960 Standard Uponor ProPEX® Fitting System		ASTM F1807 Standard Insert Fittings		Uponor ProPEX Advantages
A	Thicker wall results in lower overall stress for superior performance in all water environments	½" fitting = 0.057" wall thickness 1" fitting = 0.072" wall thickness	Thinner wall offers less resistance to stress and corrosion	½" fitting = 0.028" wall thickness 1" fitting = 0.041" wall thickness	½" fitting features 103% greater wall thickness 1" fitting features 75% greater wall thickness
B	Larger cross-sectional area provides better flow	½" fitting = 0.112 sq. inches 2.9 gpm at 8 ft./sec. 1" fitting = 0.496 sq. inches 12.4 gpm at 8 ft./sec.	Smaller cross-sectional area restricts flow	½" fitting = 0.096 sq. inches 2.4 gpm at 8 ft./sec. 1" fitting = 0.396 sq. inches 9.9 gpm at 8 ft./sec.	½" fitting offers 20% higher gpm 1" fitting offers 25% higher gpm
C	Greater minimum internal diameter (i.d.)	½" fitting = 0.378" 1" fitting = 0.795"	Smaller minimum i.d.	½" fitting = 0.350" 1" fitting = 0.710"	½" fitting has 8% larger minimum i.d. 1" fitting has 12% larger minimum i.d.
	Large offering of engineered plastic (EP) fittings available		Limited offering of plastic fittings available		Plastic fittings more resistant to aggressive water environments compared with metal fittings
	Works with the shape-memory properties of Uponor PEX-a tubing		Does not take advantage of the properties of PEX-a tubing		Provides a stronger, more reliable connection
	Go/no-go gauges are never required		Requires testing every copper crimp fitting connection with a go/no-go gauge		Saves valuable installation time
	Cannot be dry fit — never a question if the connection is made		Can be dry fit — could result in uncrimped connections		Never have to second-guess whether a connection is complete