

TECHNICAL BULLETIN

» TYPE B PEX TUBING

PowerPEX®

SUBJECT: PowerPEX® Type B Tubing with F1960 Expansion Fittings

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Sioux Chief has updated the PowerPEX® type B tubing print line and warranty to include and cover its use with ASTM F1960 expansion fittings for tubing sizes 3/8" – 2". All PowerPEX® type B tubing with a 2018 date code or later can be used with ASTM F1960 fittings. **ASTM F1960 connections with PowerPEX® type B tubing must be made with a self-rotating, power expansion tool.**

Sioux Chief has thoroughly tested PowerPEX® type B tubing with ASTM F1960 brass and polymer fittings. Sioux Chief PowerPEX® is in the process of being NSF certified for use with ASTM F1960. This listing is in addition to ASTM F2159 and ASTM F1807. The tubing maintains the mark of ASTM F877 and F876.

Self-rotating power expansion tools are designed to automatically expand the tubing at the proper rate, while rotating a set distance per activation. These features assure the connection achieves the necessary tube ID and overall connection geometry which allow the tube and fittings to be used together at any temperature*

Manual expansion tools may leave weak spots in the tubing wall if used improperly due to non-uniform expansion and improper expansion rate. A self-rotating power tool avoids both of these common installation problems; therefore, Sioux Chief will require these types of tools in its system certification for ASTM F1960 using type B tubing.

When making ASTM F1960 connections, proper tool installation protocols must be maintained per the manufacturer's installation and operating instructions as well as Sioux Chief's proper fitting installation to assure all direct warranties are maintained.

PowerPEX® tube and fittings carry a 25 year warranty on material and workmanship. PowerPEX® tube and fittings can be mixed with other manufacturers' compatible tube and fittings systems.

*NOTE: ASTM F1960 connections made in temperatures below 35 °F with either Sioux Chief PowerPEX® type B tubing or Sioux Chief PowerPEX® type A tubing should be conditioned per Sioux Chief installation instructions (see www.siouxchief.com) to allow the tube and ring to annularly constrict around the sealing barb of the fitting thereby achieving an air-tight pressure seal.



Self-rotating, power expansion tools

The information contained herein is believed to be reliable, but is subject to change without notice. No guarantees of any kind are made as to its accuracy, suitability for particular applications or conclusions obtained therefrom. Before use or installation, the user shall determine the suitability of the information for the intended purpose, and shall assume all risk and liability in connection therewith. Use of any/all Sioux Chief product shall be in accordance with supplied instructions, common practices, local codes and legal requirements.