

The Anatomy of a Hydrogen Fitting

Swagelok's FK series fitting is engineered for reliable performance that your mobility applications demand.

Uncompromising Vibration Resistance

The FK series fitting maintains grip and force even under high vibration and loading via two-ferrule, hinging-colleting action.

Grip Performance Up to
1050 Bar

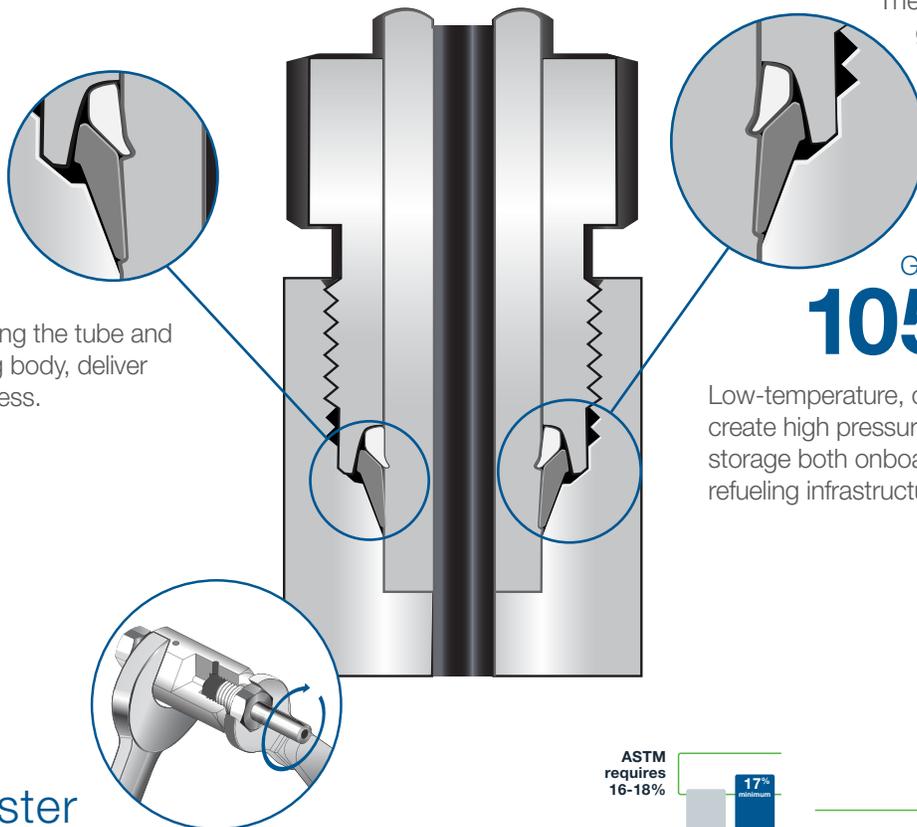
Low-temperature, case-hardened ferrules create high pressure ratings ideal for hydrogen storage both onboard vehicles and within refueling infrastructure.

Reliable Gas Seal

Two contact zones, along the tube and another along the fitting body, deliver outstanding leak-tightness.

5X Faster Installation

An innovative design allows for faster assembly than traditional cone and thread fittings. A preassembled cartridge enables installers to use common tools and requires minimal training.



ASTM requires 16-18%

17%
Chromium
minimum
Protects against common corrosion.



ASTM requires 10-14%

12%
Nickel
minimum
Defends against hydrogen embrittlement.

