

Competition

Lokring vs. Single/Double Ferrule Compression Fitting

Elastic Strain Pre-Load “ESP®” never permanently deforms the swage rings which leaves a constant “spring load” on the joint, for the life of the joint!

“Permanence”

“Weld-Equivalent”

“Tamper-Free”

Helium Leak Rates “that are no greater than 1×10^{-9} std cubic centimeters per second” per Independent California Air Resources Board Evaluation

Ease of Assembly, No wrenches, No space too tight, No more busted knuckles

Lokring Union

Single and Double Ferrule Compression Fitting Union

1 piece assembly

5 or 7 pieces

No itty, bitty ferrules

Missing, Inverted, Incorrect, Someone else’s, “Need to order some, now my job’s late” ferrules

Multiple Sealing Lands

Single Seal area typically

Can NOT over make

Over make and tube fitting bell-mouths preventing make and breakability

Can NOT under make

Under make and tube blows out

Intrinsically safe in ability to prevent accidental back off of nut

Allows for ease of accidental backing off of nut

Secure in ability to prevent opening of connection

Potential for unsecured system

Installation does NOT add rotational effects

Makeup is rotational movement, subject to radial movement

Lokring Union

To install, only 1 plane of entry is required

Compact tooling allows ease of “Lok’ing” or making connection

Tool operated hydraulically

Over 1” standard, forte is 1” to 3”

Lokring can be used on .035” wall in Gas Service

No worry of interchange with other manufacturers

No make or break, permanent, “Welder in a Box”, Tamper-Free

No “Tube-Stick”

Single and Double Ferrule Compression Fitting Union

To install, need ~90 degrees of rotation for **TWO** wrenches

Use of wrenches is difficult; hard to rotate large wrenches in confined space

Tool operated manually

Need large hydraulic swaging unit for 1” and above

Typically need .049” wall for Gas Service

Many concerns of Interchange with Copyloks

‘Make-and-break’ make it susceptible to vibration, nut back off, torsion, tampering and prevents operators from UNSAFE practice of bleeding systems by loosening fittings

Fitter’s back off the tubing a 1/16” to prevent “tube stick” which can cause ferrules to be incorrectly swaged and potential catastrophic failure