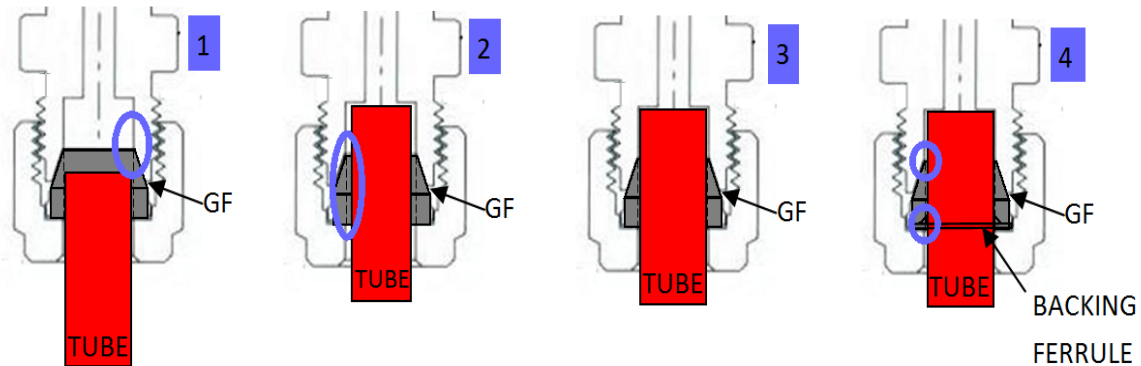


Graphite Ferrules - Troubleshooting Hints

some Engineering oversights for Chromtech Graphite Ferrules > 2008



Generally, but not exclusively, issues with the utilisation of our Graphite Ferrules can occur if the ferrule is damaged or scarred prior to installation.

Our ferrules are produced under significant pressures so as to conform to specs, and if installed correctly should give proper seals under normal expected stated conditions.

Common issues that have been previously presented by some customers are such as;

Fig 1. Tube not fully inserted damaging the ferrule cone tip when locking nut pressure is applied.

Fig 2. If the tube Outside Diameter is significantly smaller or different to the ferrule ID, it is quite possible that a ferrule that is over manipulated due to incorrect component sizes can become inefficient in sealing the way it should. Ideally the diameter tolerances should not stray outside 0.010"inch to be acceptably effective.

Fig 3. Shows what the normal expectation looks like meaning that the stated sizes on any of your schematics should comply and function within our requirements.

Fig 4. If all your sizes and dimensions are correct as stated another thing you may want to try is to drop the Swagelok supplied metal backing ferrule into the nut prior to inserting the ferrule, meaning it can enable concentrated pressure both at the front and back of the ferrule due to the angled profiles.

to be updated !