



Gyrolok® Tube Fittings

Hoke Gyrolok® Safety Instructions

Count on HOKE Safety

We pride ourselves on our commitment to safety. HOKE products are machined with total precision, for a long life and maximum performance. Available materials include 316 stainless steel, brass, Monel, Hastelloy C, Inconel, titanium, 254 SMO, Duplex 2205 and Super Duplex 2507. Each product is manufactured to resist the detrimental effects of corrosives, and to withstand extreme pressures or vacuum conditions, as well as temperatures ranging from cryogenic -325° F to +1200° F (-198° C to +648° C).

HOKE products meet the most stringent standards for safety, reliability and quality: AGA (American Gas Association), ANSI (American National Standards Institute), ASME (American Society of Mechanical Engineers), ASTM (American Society for Testing & Materials), MSS (Manufacturers Standardization Society) and NACE (National Association of Corrosion Engineers).

As a result, HOKE products are the choice of OEMs, refiners, chemical manufacturers and all those whose primary concern is safe, reliable performance.

If you have any questions about the design specifications of HOKE products, please contact your local HOKE distributor. Our worldwide network of distributors is specially trained to assist you in your selection of any HOKE product.

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1. **Make sure the system is not pressurized when tightening or loosening a fitting or valve connection.**
 2. **When relieving or bleeding system pressure, do not loosen the HOKE Gyrolok® nut or any product component.**
 3. **Do not exceed temperature specifications stated [here](#).**
 4. **Do not exceed maximum allowable working pressure/temperature combinations for tubing** when using HOKE Gyrolok®. Check the HOKE [Tubing Data Charts](#) (PDF: 30 pg / 420 KB) for specific information. Note that if no pressure is identified for a given size and wall thickness of tubing, that tubing is not considered suitable for use with tube fittings.
 5. **When the application involves use of a toxic or hazardous fluid, exercise extra caution during operation and maintenance.**
 6. **Before assembling new, unused HOKE Gyrolok® tube fitting ends, loosen the HOKE Gyrolok® nut before inserting the tube to allow full insertion of the tube into the base of the body bore.**
 7. **Always use tubing that is compatible with the fitting or valve material.** Tubing appropriate for use with HOKE Gyrolok® fittings is described in the HOKE [Tubing Data Charts](#) (e.g. use 316 Stainless Steel fittings with 316 Stainless Steel tubing).
 8. **Always leave a length of straight tube between the tube bend and the fitting.** A tube bent too close to the fitting connection may be a source of leakage.
 9. **During assembly of the HOKE Gyrolok® tube end, always hold the fitting or valve body with one wrench while separately wrench-tightening the HOKE Gyrolok® nut.** Follow the same precaution when disassembling.
 10. **Always use a [HOKE Tube Insert](#)** when assembling a HOKE Gyrolok® Fitting to soft, pliable plastic tubing.
 11. **Always use proper thread lubricants or sealants on tapered pipe threads.** Note that thread sealants may have different temperature ratings than the basic fitting.
 12. **NPT threads should be torqued in accordance with an industry standard, such as Underwriter's Laboratory UL842.** Note that previously assembled threads may require additional tightening.
 13. **When installing an NPT ended valve, hold the valve body near the connection with one wrench, while separately wrench-tightening the mating pipe.** Turn the pipe, not the valve. Follow the same precaution when disconnecting.
 14. **Do not hold the valve handle when tightening an end connection.**
 15. **For proper installation, request a Safety Installation Training Program today! Ask your HOKE distributor for details.**