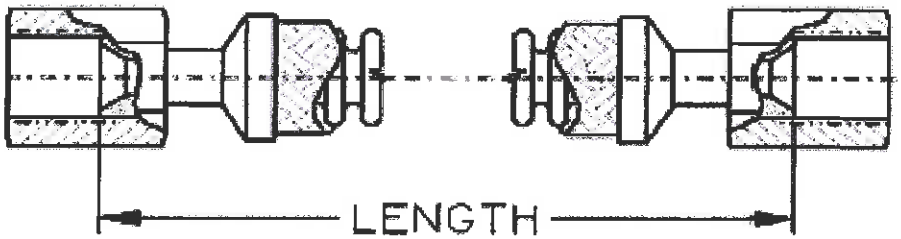


Figure 1: Picture of a Female to Female hose configuration

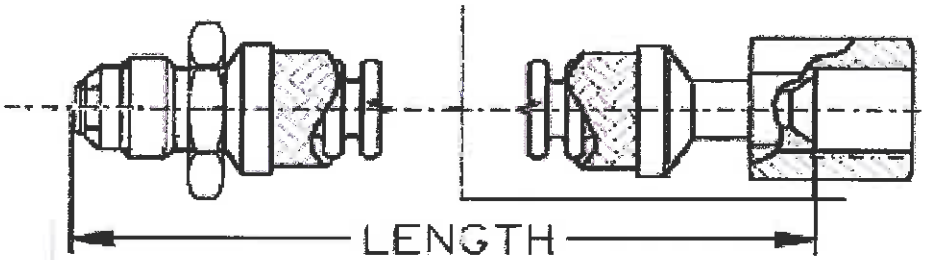


Figure 2: Picture of a Male to Female hose configuration

Tolerance on Hose Length. Tolerance on hoses 18 to 36 inches long shall be +/-1/4 inch. Tolerance on hoses over 50 inches long shall be +/-1 percent.

Bend Radius. The hose assembly shall be capable of repeated flexure, while pressurized, to the minimum bend radius specified in Table 1 over its useful life.

End Connections. End connections hose assembly shall be 37 degree flared tube fittings. Reference KSC-GP-425, Fluid Fitting Engineering Standards (Reference Appendix A).

Female Flared Tube End Connections. The hose assembly ending in female fittings shall mate with the 37 degree flared fitting as specified by AS1098 (Figure 7).

Flare and Sleeve. The required Flare and Sleeve shall be a one piece machined flare and sleeve assembly, similar in design to the KC145 (Figure 3 and reference details in KSC-GP-425 Fluid Fitting Engineering Standards in Appendix A), butt welded to the convoluted tube; or if the KC145 is not available, a three piece (tube end, sleeve, and coupling nut) assembly. The sleeve shall conform to AS4327 (Figure 4).

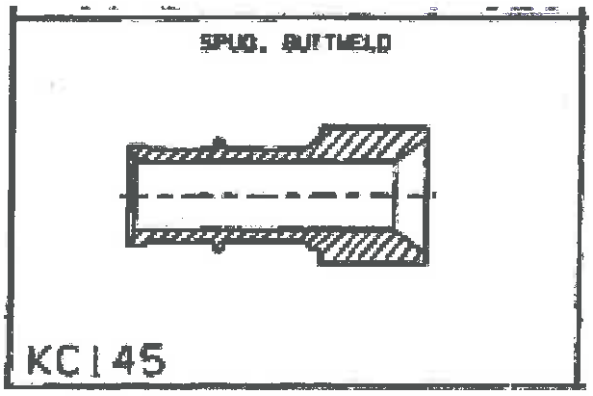


Figure 3: Picture of KC145 Fitting

Amendment No. 1
Sept. 2, 2014