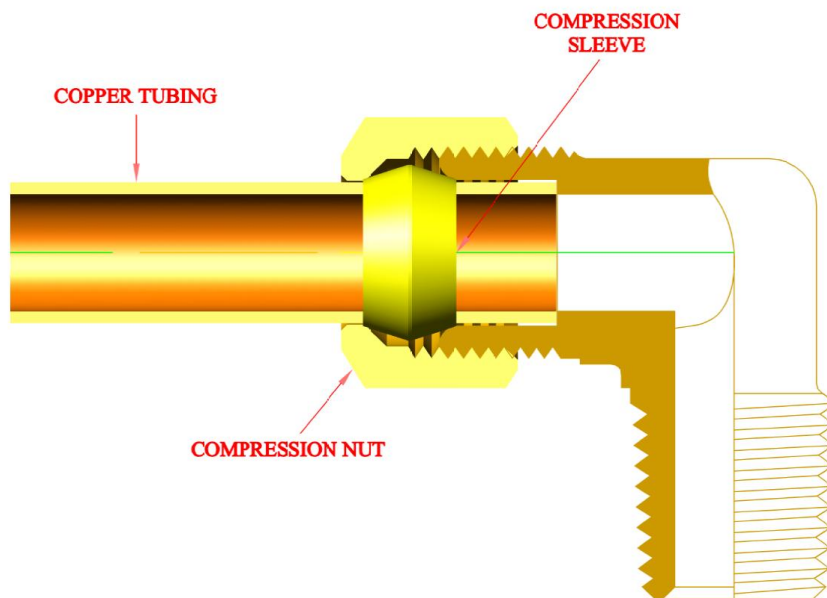


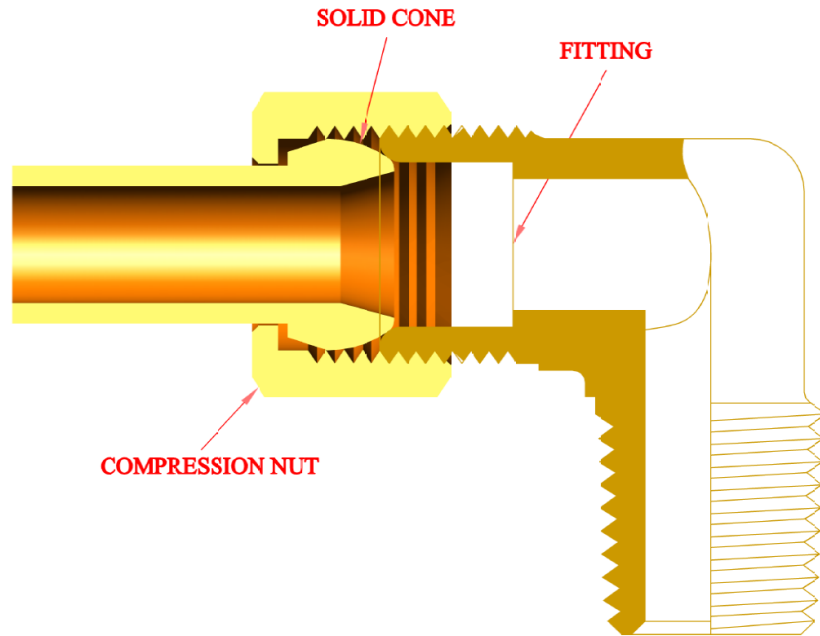
From: Christopher Haczynski, Director of Technical Services

Re: Compression Connections using a Solid Brass Cone Design

Anderson Fittings designs and manufactures compression fittings per the SAE J512 Standard, as do most plumbing fitting manufacturers. These fittings are most commonly used in industry with annealed copper tubing. The connection consists of the fitting, compression sleeve, compression nut and copper tubing. See Figure Below.



Some companies, particularly connector-hose manufacturers, have designed connections that use a solid cone design to mate with a compression connector body. The connection consists of the fitting, solid cone and compression nut. See Figure Below.



These solid cone connectors are not designed to the SAE J512 Standard and do not functionally compress like the compression sleeve and copper tubing, therefore induce a much greater stress to the fitting than do the appropriate SAE J512 components. As a result, the increased stress created make the fitting more inclined to exhibit stress failures or stress corrosion cracking.

Due to the stated risk, Anderson Fittings does not and has never recommended using a solid cone connection with our compression fittings. Anderson Fittings recommends following the SAE J512 Standard when installing compression fittings.

Regards-

Christopher Haczynski,

Director of Technical Services