

Tube Fitting Selection Guide

Instrumentation is defined as the art and science of measurement and control. When applied to industrial instrumentation, it means using specialized instruments to measure the pressure, temperature, flow, and process accuracy of the plant's system—constantly sampling and testing the facility's product to be certain it is correct. A typical instrumentation application is the transport of liquid or gas. The system's pressure must be continually measured. To accomplish this, a connection is made to the plant's process pipe and a valve is installed to isolate the pressure gauge; this allows the gauge to be replaced if it breaks or requires recalibration. The proper fittings and tubing are used to connect the valve to the pressure gauge. It's important to note that the tubing used to connect the instrumentation (the fittings, gauges, valves, etc.) must have the same pressure rating as the instrumentation. If the tubing has a greater pressure rating than the instrumentation, the fittings and valves that are used must be rated to this greater pressure.

Instrumentation Tube Fittings

Designed as leak-free connections (even after repeated reassembly) for process, power, and instrumentation applications. They are available in a broad range of sizes, configurations, and material, including 316 stainless steel, brass, steel, aluminum, Monel 400, Alloy C276, and Alloy 600. Heat Code traceability for 316 stainless steel and Monel. Feature Supercase ferrules. Offered in sizes ranging from 1/16" through 2" O.D. tubing.

A-LOK®

Double ferrule design.

CPI™

Single ferrule design.

