

Addison Instrumentation

Tube Fittings

DESIGN

Addison Compression Tube Fittings have been carefully designed for use with stainless steel tubes and is suitable for installations where secure leak-proof joints are essential. Suitable for high pressures, vacuum and where vibration is inherent, these couplings are precisely manufactured to close tolerance. To prevent galling of the threads, nuts are silver plated.

PRESSURE RATINGS

Addison double ferrule design is rated for working at high pressures than the tubing maximum allowable working pressure.

However the tubing should not be utilised above its maximum allowable working pressure.

For maximum allowable working pressure on tubes, refer ANSI B 31.3, Table A-1 and Par 304.1.2 Section VIII, Table UNF-23.3, Par. UG-27 and Appendix 1, Par. 1-2.

VACUUM RATING

Addison Tube Fittings offers excellent vacuum capability. With good quality tubing, Addison fittings will be leak-tight at vacuum levels of negative pressure up to 700mbar while tested.

MATERIAL SPECIFICATION

Fitting Material	Bar Stock	Forgings	Tube Specification	Max. Recommended Hardness (Tubing)
Brass	ASTM-B16 Alloy 360 ASTM-B-453 Alloy 345	ASTM-B-124 Alloy 377	ASTM-B75 (Copper)	60 Max. Rockwell 15T
Stainless steel	ASTM-A-479	ASTM-A-182	ASTM-A-269 ASTM-A-213	90 Rb
Steel	ASTM-A-108	ASTM-A-576	ASTM-A-179	72 Rb
Monel	ASTM-B-164	Alloy 400	ASTM-B-165	75 Rb

Addison Tube Fittings are also available in other materials including Hastelloy, Inconel, Titanium and Monel. Contact your local Addison distributor for further information.