

General Description: The Seal-Lok fitting has proven to be very effective in eliminating leakage at the higher pressures found in today's hydraulic systems. It meets or exceeds the strict requirements of SAE J1453 and ISO 8434-3. The Seal-Lok fitting is an O-ring face seal type fitting that consists of a nut, a body, an O-ring and a sleeve. The tube is flanged to 90° (or the tube may be brazed instead to a braze-type sleeve). When the fitting is assembled, it compresses an O-ring in the precision machined groove of the fitting body to form a leak tight seal.

Seal-Lok's leak-free design and construction make it suitable for applications where higher pressures, vibration and impulse are prevalent.

The Seal-Lok Fitting Body. There are over 60 different body configurations to choose from. The body face is manufactured with Parker's CORG (captive O-ring groove), which keeps the high durometer O-ring captive during installation. Straight products are made from cold drawn barstock.

The Seal-Lok Fitting Nut. Seal-Lok tube nuts are either cold formed or machined from cold drawn bar stock, depending on the size.

The Seal-Lok Braze Sleeve. The sleeve is brazed to the tube end. The flat, smooth surface of the braze sleeve seals against the O-ring when fully assembled.

Features:

- Conformance to SAE J1453 and ISO 8434-3
- Elastomeric seal
- High pressure rating
- No tube entry (flat-face design)
- Captive O-ring groove (CORG)
- Forged Shapes
- Similar envelope size to 37° flared fitting
- Wide tube wall range
- Resistance to over-torque
- Unlimited reusability/ remakeability

Specifications

Seal-Lok Fittings	Steel		Stainless Steel	
	ASTM	Type	ASTM	Type
Forged Bodies	A576	1214/1215	A182	316
Bar Stock Bodies	A108	12L14	A479	316
Cold Formed Nuts	A576	C1010	--	--
Machined Nuts*	A108	12L14 11L37	A479	316
Braze Sleeves & Braze Connectors	A108	12L14	A276	316L
Flange Sleeves	A108	12L14	A479	316

*All stainless steel nuts are coated to prevent galling at assembly.

Note: Other materials can be produced upon request.

Finish: Zinc with yellow chromate (being changed to zinc chromium 6 free) is used on all standard steel products. Stainless steel fittings are passivated.

Recommended Min/Max Tube Wall Thickness for Inch Seal Lok™

10

Size		Steel, Alloy Steel, St. Steel, Copper, Monel
O.D. Inches	Dash Number	SAE O-Ring Face Seal Seal-Lok
1/4	-4	.020 – .083
3/8	-6	.020 – .109
1/2	-8	.028 – .148
5/8	-10	.035 – .134
3/4	-12	.035 – .148
7/8	-14	.035 – .156
1	-16	.035 – .188
1 1/4	-20	.049 – .220
1 1/2	-24	.049 – .250
2	-32	.058 – .250

