

Identification

To differentiate metric Seal-Lok from standard (inch) Seal-Lok, the following identification features have been incorporated in the design:

- Straight connectors (straight studs) have a short length of turn diameter with a small groove machined in its middle, as seen in [Fig. A4](#).
- The locknuts on shaped connectors (stud elbows, tees and crosses) have a similar turn diameter adjacent to the washer, without a groove, as seen in [Fig. A4](#).
- The sleeve is identified by a small groove machined on its large diameter as shown in [Fig. A5](#).

Versatility

The Seal-Lok fitting is very versatile in that it can be used with inch and metric tubing, as well as hose (see [Fig A6](#)).

The following example illustrates the options with a $\frac{1}{2}$ " (-8) Seal-Lok fitting:

- $\frac{1}{2}$ " fitting and $\frac{1}{2}$ " nut can connect to $\frac{1}{2}$ " tubing using the $\frac{1}{2}$ " sleeve.
- $\frac{1}{2}$ " fitting and $\frac{1}{2}$ " nut can connect to 12 mm tubing using 12 mm sleeve.
- Without nut and sleeve, $\frac{1}{2}$ " fitting can connect to hose.

The process also works in reverse. A metric Seal-Lok fitting and metric nut can connect to inch tubing by simply using the inch sleeve.

Tube Wall Thickness

Recommended min/max tube wall thicknesses for inch and metric Seal-Lok are provided in Tables A2 and A3, respectively. When using the braze method, all tube wall thicknesses can be used. For Parflange min/max tube wall thickness range, please refer to page S26 for tooling availability.

With any fitting, proper assembly and installation is critical to its success. Please refer to [pages T13-T18](#) for the proper assembly and installation procedures for the Seal-Lok fitting.

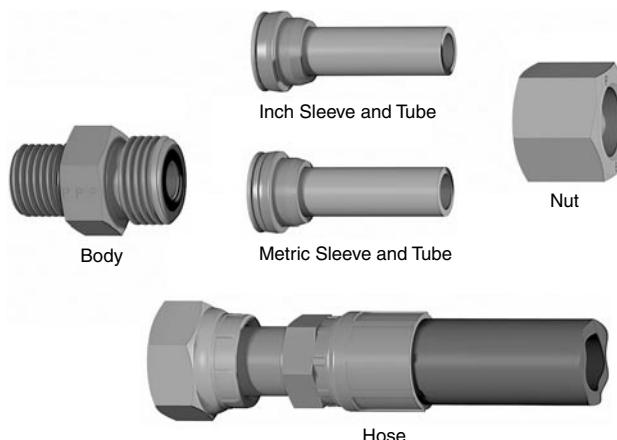


Fig. A6 — Seal-Lok Works with Inch or Metric Tube and Hose

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

Table A2 — Recommended Min./Max. Tube Wall Thickness for Inch Seal-Lok

	Steel, Alloy Steel, Stainless Steel, Copper, Monel	
O.D. Size in mm	Wall Thickness in mm	Used With Fitting Size
6	.5 - 2.25	-4
8	1.0 - 2.5	-6
10	1.0 - 3.0	-6
12	1.0 - 3.5	-8
14	1.0 - 4.0	-10
15	1.0 - 3.0	-10
16	1.0 - 3.0	-10
18	1.0 - 3.0	-12
20	1.5 - 4.0	-12
22	1.0 - 3.0	-16
25	2.0 - 5.0	-16
28	1.5 - 5.0	-20
30	2.0 - 5.0	-20
32	2.0 - 2.5	-20
35	2.0 - 6.0	-24
38	2.5 - 7.0	-24

Table A3 — Recommended Min./Max. Tube Wall Thickness for Metric Seal-Lok

Dimensions and pressures for reference only, subject to change.