

2. Place the tube assembly against the fitting body so that the flat face of the flange tube (or braze sleeve) comes in full contact with the O-ring. Thread the nut onto the fitting body by hand and tighten it to the recommended torque: Seal-Lok (Table T14) and Seal-Lok Lite (Table T15). If torque wrenches are not available, an alternate method of assembly is the Flats From Wrench Resistance (F.F.W.R.) method. Wrench tighten the nut onto the fitting body until light wrench resistance is reached. Tighten further to the appropriate F.F.W.R. value.

Caution: The torque method of assembly is the preferred method of assembly for Seal-Lok and Seal-Lok Lite fittings. It reduces the risk of human error during assembly that is more prevalent in the Flats From Wrench Resistance (F.F.W.R.) method. To ensure the most accurate assembly of the Seal-Lok fitting, it is strongly recommended that the torque method be utilized.

Note: A second wrench may be required to prevent the fitting from moving during assembly.

O.D.		SAE Dash Size	Tube Side Thread Size (UN/UNF)	Tube Side Assembly Torque (+10% -0%)			Flats from Wrench Resistance (F.F.W.R.)	
(in.)	(mm)			in.-lb.	ft.-lb.	N-m	Tube Nuts	Swivel & Hose Ends
1/4	6	-4	9/16-18	220	18	25	1/4 to 1/2	1/2 to 3/4
3/8	8, 10	-6	11/16-16	360	30	40	1/4 to 1/2	1/2 to 3/4
1/2	12	-8	13/16-16	480	40	55	1/4 to 1/2	1/2 to 3/4
5/8	14, 15, 16	-10	1-14	—	60	80	1/4 to 1/2	1/2 to 3/4
3/4	18, 20	-12	1 3/16-12	—	85	115	1/4 to 1/2	1/3 to 1/2
1	22, 25	-16	1 7/16-12	—	110	150	1/4 to 1/2	1/3 to 1/2
1 1/4	28, 30, 32	-20	1 11/16-12	—	150	205	1/4 to 1/2	1/3 to 1/2
1 1/2	35, 38	-24	2-12	—	230	315	1/4 to 1/2	1/3 to 1/2

Table T14 – Seal-Lok assembly torque and F.F.W.R.

O.D.		SAE Dash Size	Tube Side Thread Size	Tube Side Assembly Torque (+10% -0%)		
(in.)	(mm)			in.-lb.	ft.-lb.	N-m
3/8	8, 10	-6	M18X1.5	240	20	40
1/2	12	-8	M22X1.5	320	30	55
3/4	18, 20	-12	M30X1.5	680	60	115
1	22, 25	-16	M36X1.5	880	75	150

Table T15 – Seal-Lok Lite Assembly Torque

Dimensions and pressures for reference only, subject to change.