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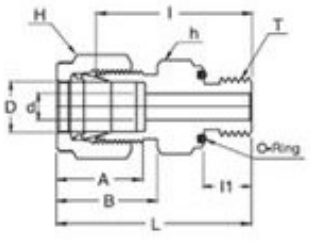

MOSC
O-SEAL STRAIGHT THREAD CONNECTOR

CONNECTS FRACTIONAL TUBE TO FEMALE STRAIGHT THREAD

Part No.	Tube O.D. D (inch)	Straight Thread T (U)	d Min	Width Across Flat		A	B	l	l_1	L	O-Ring Uniform Size Number
				h (inch)	H (inch)						
MOSC- 2 - 2U	1/8	5/16-24	2.28	9/16	5/16	12.70	15.24	26.16	8.63	32.76	MI128
MOSC- 3 - 3U	3/16	3/8-24	3.05	5/8	11/16	13.71	16.00	27.68	9.65	34.29	MI1410
MOSC- 4 - 4U	1/4	7/16-20	4.82	3/4	7/16	15.24	17.78	30.98	10.41	38.35	MI1511
MOSC- 5 - 5U	5/16	1/2-20	6.35	7/8	7/8	16.25	18.54	33.27	11.17	40.64	MI1713
MOSC- 6 - 6U	3/8	9/16-18	7.11	15/16	11/16	16.76	19.30	35.05	11.93	42.41	MI1914
MOSC- 8 - 8U	1/2	3/4-16	10.41	1-1/8	13/16	22.86	21.84	35.81	11.93	45.97	MI2419
MOSC- 12 - 12U	3/4	1-1/16-12	15.75	1-1/2	1-1/16	24.38	21.84	42.16	14.22	52.32	MI3327
MOSC- 16 - 16U	1	1-5/16-12	22.35	1-3/4	1-1/2	31.24	26.41	45.97	14.22	58.16	MI4234

CONNECTS METRIC TUBE TO FEMALE STRAIGHT THREAD

Part No.	Tube O.D. D (mm)	Straight Thread T (U)	d Min	Width Across Flat		A	B	l	l_1	L	O-Ring Uniform Size Number
				h (mm)	H (mm)						
MOSC – 4M- 2U	4	5/16-24	2.28	14	8	12.70	15.24	26.16	8.63	32.76	MI128
MOSC– 5M- 3U	5	3/8-24	3.05	16	18	13.71	16.00	27.68	9.65	34.29	MI1410
MOSC– 6M - 4U	6	7/16-20	4.82	20	12	15.24	17.78	30.98	10.41	38.35	MI1511
MOSC – 8M- 5U	8	1/2-20	6.35	22	22	16.25	18.54	33.27	11.17	40.64	MI1713
MOSC–10M- 6U	10	9/16-18	7.11	24	18	16.76	19.30	35.05	11.93	42.41	MI1914
MOSC–12M- 8U	12	3/4-16	10.41	28	20	22.86	21.84	35.81	11.93	45.97	MI2419
MOSC-20M - 12U	20	1-1/16-12	15.75	38	27	24.38	21.84	42.16	14.22	52.32	MI3327
MOSC-25M - 16U	25	1-5/16-12	22.35	45	38	31.24	26.41	45.97	14.22	58.16	MI4234

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- All dimension are in millimeters unless as specified as 'inch'.
- Dimension are for reference only subject to change

Mounting Dimensions for O-Seal Connectors

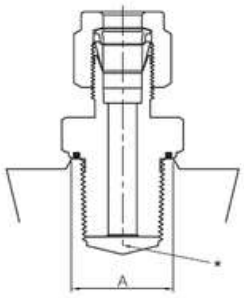

Figure 1

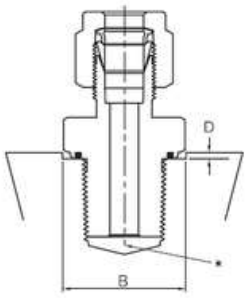

Figure 2

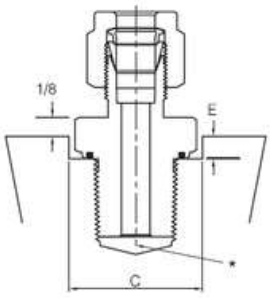

Figure 3

*ALLOW CLEARANCE FOR FULL THREAD

Installation Instruction

In order to prevent leakage with M-LOK O-Seal Fittings, the surface perpendicular to the axis of the thread should be flat. When installing an O-Seal fitting, turn it until finger-tight. The squeeze on O-Ring can be felt during the last 1/4 turn. After finger tight installation, tight lightly with a wrench.

When connecting the tubing to the M-LOK connector, always use another wrench on the O-Seal fitting hex so it does not turn while the nut is being tightened. Also use another wrench when disconnecting a tubing connection.

For a raised surface, such as Figure 1, it is recommended that the flat surface have a diameter at least as large as dimension “A” for the various size O-Seal fittings. This diameter is sufficient to allow metal-to-metal contact outside of the O-Ring sealing diameter and to prevent O-Ring extrusion at high pressure.

Figure 2 is an O-Seal fitting using with a counter bored or recessed hole. In this case, the diameter “B” is sufficient to allow the round shoulder of the O-seal to clear for proper installation. “D” gives the maximum depth that can be used with this diameter.

Figure 3 shows the usage at deeper grooved or concaved area and “E” is the maximum depth that will allow a thin wrench (1/8″) to hold the O-Seal fitting while the M-LOK connection is connected to the tubing. The diameter “C” is sufficient to allow the hex of the fitting to turn in the hole.