Tube Inserts

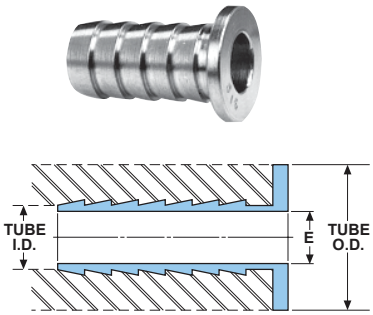
HOKE Gyrolok tube fittings may be used with various types of plastic tube material without any special preparation. Use tube inserts to support soft types of tubing, such as Tygon or polyvinyl chloride, prior to insertion into a HOKE Gyrolok end. See chart at lower right for recommendations.

Usage Instructions

1. Fully insert Tube Insert into plastic tubing, where appropriate.
2. If using standard nut, follow standard HOKE Gyrolok assembly instructions, page 53 (Hand-tighten, then tighten 1¼ turns with wrench.)
3. For finger-tight assembly, standard Brass fittings are available with knurled nuts and nylon ferrules.

Example:

4	TI	2	316
Tube O.D. in sixteenths of an inch — 1/4"	**Type Fitting** (Tube Insert)	**Tube I.D.** in sixteenths of an inch — 1/8" (Except .170 I.D.)	**Material** Brass = BR 316SS = 316



Tube Insert: TI (Fractional)

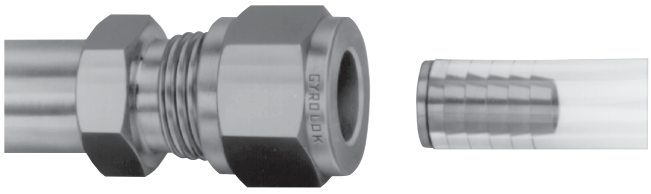
Part Number*	Tube O.D.	Pipe Size	Dimensions — inches E
3TI2 [ ]	3/16	1/8	.09
4TI2 [ ]	1/4	1/8	.09
4TI.170 [ ]	1/4	.170	.11
4TI3 [ ]	1/4	3/16	.13
6TI3 [ ]	3/8	3/16	.13
6TI4 [ ]	3/8	1/4	.19
8TI4 [ ]	1/2	1/4	.19
8TI6 [ ]	1/2	3/8	.28
10TI6 [ ]	5/8	3/8	.28
10TI8 [ ]	5/8	1/2	.42
12TI8 [ ]	3/4	1/2	.42
12TI10 [ ]	3/4	5/8	.50
14TI10 [ ]	7/8	5/8	.50
14TI12 [ ]	7/8	3/4	.66
16TI12 [ ]	1	3/4	.66
16TI14 [ ]	1	7/8	.72

Tube Insert: TI/MM (Metric)

Part Number*	T Tube O.D.	Tube I.D.	Dimensions — mm E min.
6TI4[ ]MM	6	4	2.2
8TI6[ ]MM	8	6	4.3
10TI8[ ]MM	10	8	6.3
12TI10[ ]MM	12	10	7.9

Tube Insert: TI/ME (Metric)

Part Number*	T Tube O.D.	Tube I.D.	Dimensions — mm E min.
8TI4[ ]ME	8	1/4	4.7



HOKE Gyrolok Used With Plastic Tubing and Tube Insert

Tubing Material	Front Ferrule	Rear Ferrule	Tube Insert Usage
Polyethylene	Metal	Metal	Not normally required
	Nylon	Nylon	
Nylon	Metal	Metal	Not normally required
	Nylon	Nylon	
Teflon®	Metal	Metal	Not normally required
	Teflon	Teflon or Metal	
Rigid PVC	Metal	Metal	None
	Teflon*	Teflon*	
Soft Polyvinyl Chloride or Tygon	Metal	Metal	Recommended
	Nylon	Nylon	

* Limited gripping, metal provides tighter grip for higher pressures.