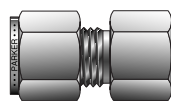
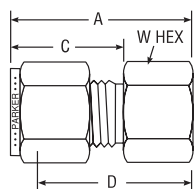


NPT Female Connector

For fractional tube



CPT™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	INCHES					
			TUBE O.D.	NPT PIPE THREAD	A	C	D	W HEX
1-1 GBZ	1FSC1N	100-7-1	1/16	1/16	0.93	0.43	0.78	7/16
1-2 GBZ	1FSC2N	100-7-2	1/16	1/8	0.95	0.43	0.81	9/16
2-2 GBZ	2FSC2N	200-7-2	1/8	1/8	1.14	0.60	0.88	9/16
2-4 GBZ	2FSC4N	200-7-4	1/8	1/4	1.32	0.60	1.06	3/4
3-2 GBZ	3FSC2N	300-7-2	3/16	1/8	1.17	0.64	0.91	9/16
3-4 GBZ	3FSC4N	300-7-4	3/16	1/4	1.35	0.64	1.09	3/4
4-2 GBZ	4FSC2N	400-7-2	1/4	1/8	1.23	0.70	0.94	9/16
4-4 GBZ	4FSC4N	400-7-4	1/4	1/4	1.42	0.70	1.13	3/4
4-6 GBZ	4FSC6N	400-7-6	1/4	3/8	1.48	0.70	1.19	7/8
4-8 GBZ	4FSC8N	400-7-8	1/4	1/2	1.67	0.70	1.38	1-1/16
5-2 GBZ	5FSC2N	500-7-2	5/16	1/8	1.27	0.73	0.97	9/16
5-4 GBZ	5FSC4N	500-7-4	5/16	1/4	1.46	0.73	1.16	3/4
5-6 GBZ	5FSC6N	500-7-6	5/16	3/8	1.51	0.73	1.22	7/8
6-2 GBZ	6FSC2N	600-7-2	3/8	1/8	1.29	0.76	1.00	5/8
6-4 GBZ	6FSC4N	600-7-4	3/8	1/4	1.48	0.76	1.19	3/4
6-6 GBZ	6FSC6N	600-7-6	3/8	3/8	1.54	0.76	1.25	7/8
6-8 GBZ	6FSC8N	600-7-8	3/8	1/2	1.73	0.76	1.44	1-1/16
6-12 GBZ	6FSC12N	600-7-12	3/8	3/4	1.85	0.76	1.56	1-1/4
8-4 GBZ	8FSC4N	810-7-4	1/2	1/4	1.59	0.87	1.19	13/16
8-6 GBZ	8FSC6N	810-7-6	1/2	3/8	1.65	0.87	1.25	7/8
8-8 GBZ	8FSC8N	810-7-8	1/2	1/2	1.84	0.87	1.44	1-1/16
8-12 GBZ	8FSC12N	810-7-12	1/2	3/4	1.96	0.87	1.56	1-1/4
10-6 GBZ	10FSC6N	1010-7-6	5/8	3/8	1.65	0.87	1.25	15/16
10-8 GBZ	10FSC8N	1010-7-8	5/8	1/2	1.84	0.87	1.44	1-1/16
10-12 GBZ	10FSC12N	1010-7-12	5/8	3/4	1.96	0.87	1.56	1-3/8
12-8 GBZ	12FSC8N	1210-7-8	3/4	1/2	1.84	0.87	1.44	1-1/16
12-12 GBZ	12FSC12N	1210-7-12	3/4	3/4	1.96	0.87	1.56	1-3/8
14-12 GBZ	14FSC12N	1410-7-12	7/8	3/4	1.96	0.87	1.56	1-3/8
16-12 GBZ	16FSC12N	1610-7-12	1	3/4	2.15	1.05	1.66	1-3/8
16-16 GBZ	16FSC16N	1610-7-16	1	1	2.46	1.05	1.97	1-5/8
20-20 GBZ	20FSC20N	2000-7-20	1-1/4	1-1/4	2.94	1.52	2.08	2
24-24 GBZ	24FSC24N	2400-7-24	1-1/2	1-1/2	3.28	1.77	2.22	2-3/8
32-32 GBZ	32FSC32N	3200-7-32	2	2	4.00	2.47	2.53	2-7/8

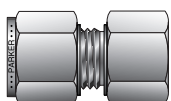
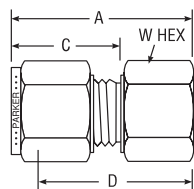
NOTE: A and C dimensions are typical finger-tight.

Dimensions for reference only, subject to change.

Sizes 20, 24, 32 require additional lubrication prior to assembly.

NPT Female Connector

For metric tube



CPT™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	MILLIMETERS					
			TUBE O.D.	NPT THREAD	A	C	D	W HEX
GBZ 3-1/8	M3FSC1/8N	3MO-7-2	3	1/8	28,8	15,3	22,2	14,0
GBZ 3-1/4	M3FSC1/4N	3MO-7-4	3	1/4	33,6	15,3	27,0	19,0
GBZ 4-1/8	M4FSC1/8N	4MO-7-2	4	1/8	29,6	16,1	23,0	14,0
GBZ 6-1/8	M6FSC1/8N	6MO-7-2	6	1/8	31,3	17,7	23,8	14,0
GBZ 6-1/4	M6FSC1/4N	6MO-7-4	6	1/4	36,1	17,7	28,6	19,0
GBZ 6-3/8	M6FSC3/8N	6MO-7-6	6	3/8	37,7	17,7	30,2	22,0
GBZ 6-1/2	M6FSC1/2N	6MO-7-8	6	1/2	42,5	17,7	35,0	27,0
GBZ 8-1/8	M8FSC1/8N	8MO-7-2	8	1/8	32,1	18,6	24,6	14,0
GBZ 8-1/4	M8FSC1/4N	8MO-7-4	8	1/4	36,9	18,6	29,4	19,0
GBZ 8-3/8	M8FSC3/8N	8MO-7-6	8	3/8	38,5	18,6	31,0	22,0
GBZ 10-1/4	M10FSC1/4N	10MO-7-4	10	1/4	37,8	19,5	30,2	19,0
GBZ 10-3/8	M10FSC3/8N	10MO-7-6	10	3/8	39,4	19,5	31,8	22,0
GBZ 10-1/2	M10FSC1/2N	10MO-7-8	10	1/2	44,1	19,5	36,5	27,0
GBZ 12-1/4	M12FSC1/4N	12MO-7-4	12	1/4	41,9	22,0	31,8	22,0
GBZ 12-3/8	M12FSC3/8N	12MO-7-6	12	3/8	41,9	22,0	31,8	22,0
GBZ 12-1/2	M12FSC1/2N	12MO-7-8	12	1/2	46,6	22,0	36,5	27,0
GBZ 16-3/8	M16FSC3/8N	16MO-7-6	16	3/8	41,9	22,0	31,8	27,0
GBZ 16-1/2	M16FSC1/2N	16MO-7-8	16	1/2	46,9	22,0	36,5	27,0
GBZ 20-1/2	M20FSC1/2N	20MO-7-8	20	1/2	47,9	22,0	37,8	30,0
GBZ 20-3/4	M20FSC3/4N	20MO-7-12	20	3/4	49,7	22,0	39,6	35,0
GBZ 22-3/4	M22FSC3/4N	22MO-7-12	22	3/4	49,7	22,0	39,6	35,0
GBC 25-3/4	M25FSC3/4N	25MO-7-12	25	3/4	53,6	26,5	41,3	35,0
GBC 25-1	M25FSC1N	25MO-7-16	25	1	62,3	26,5	50,0	41,0

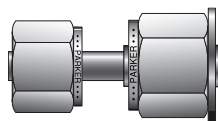
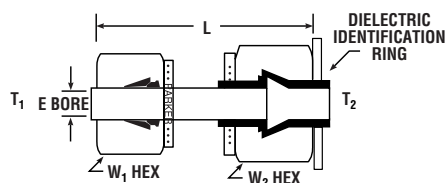
Dimensions for reference only, subject to change.

Dielectric Union Adapter

For fractional tube

includes nuts, machined tube with molded PEEK¹⁾ insulator, preset ferrule, and dielectric identification ring

¹⁾ Polyetherether Ketone



CPI™ ADAPTER PART NO.	A-LOK® ADAPTER PART NO.	INCHES						PRESSURE RATING @ 70°F LIQUID / GAS (PSI)
		T ₁ TUBE END	T ₂ TUBE END	L	E BORE	W1 HEX	W2 HEX	
6-8 DEBTA-SS	6-8 DELTA	3/8	1/2	2.08	.30	11/16	7/8	4000 / 3000
8-10 DEBTA-SS	N/A	1/2	5/8	2.58	.38	7/8	1	3000 / 2000

*Other end connectors available upon request.

Dimensions for reference only, subject to change.

NOTE: Makeup instructions included with parts in box when ordered as an Adapter only.

Dielectric Resistivity 10x10⁹ OHMS @ 500 volts DC (Tested on Mil-STD-202F)

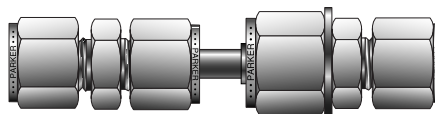
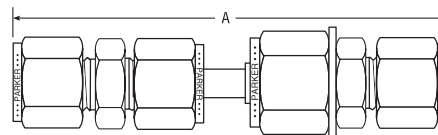
Dielectric withstanding voltage less than 100 microamps leakage @ 1500 volts AC

AMBIENT TEMPERATURE, °F	-40	-20	0	20	40	60	80	100	120	140	160	180	200
TEMPERATURE DERATING FACTOR	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.93	0.86	0.79	0.72	0.64	0.56

Dielectric Assembly

For fractional tube

includes dielectric union adapter with assembled tube fitting unions



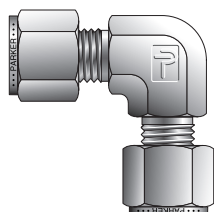
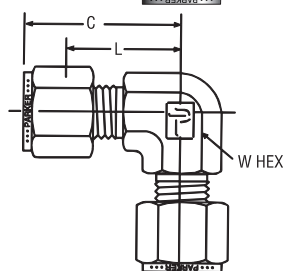
CPI™ ASSEMBLY PART NO.	A-LOK® ASSEMBLY PART NO.	INCHES	END ADAPTORS	
			CPI	A-LOK
*COMPRESSION	*COMPRESSION	A†		
4H DEBTA	4H DELTA	4.08	6-4 HBZ/8-4 HBZ	6RU4/8RU4
6H DEBTA	6H DELTA	4.20	6-6 HBZ/8-6 HBZ	6SC6/8RU6
8H DEBTA	8H DELTA	4.79	8-8 HBZ/10-8 HBZ	8SC8/10RU8
FEMALE PIPE	FEMALE PIPE	A	END ADAPTORS	
			CPI	A-LOK
4G DEBTA	4G DELTA	3.59	6-4 GBZ/8-4 GBZ	6FSC6N/8FSC6N
6G DEBTA	6G DELTA	3.71	6-6 GBZ/8-6 GBZ	6FSC6N/8FSC6N
8G DEBTA	8G DELTA	4.40	8-8 GBZ/10-8 GBZ	8FSC8N/10FSC8N
MALE PIPE	MALE PIPE	A	END ADAPTORS	
			CPI	A-LOK
4F DEBTA	4F DELTA	3.80	6-4 FBZ/8-4 FBZ	6MSC4N/8MSC4N
6F DEBTA	6F DELTA	3.80	6-6 FBZ/8-6 FBZ	6MSC6N/8MSC6N
8F DEBTA	8F DELTA	4.58	8-8 FBZ/10-8 FBZ	8MSC8N/10MSC8N

†Finger tight assembly dimensions.

Dimensions for reference only, subject to change.

Union Elbow

For fractional tube



CPI™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	INCHES			
			TUBE O.D.	C	L	W HEX
1-1 EBZ	1EE1	100-9	1/16	.70	.55	3/8
2-2 EBZ	2EE2	200-9	1/8	.88	.62	3/8
3-3 EBZ	3EE3	300-9	3/16	1.00	.74	1/2
4-4 EBZ	4EE4	400-9	1/4	1.06	.77	1/2
5-5 EBZ	5EE5	500-9	5/16	1.13	.84	9/16
6-6 EBZ	6EE6	600-9	3/8	1.20	.91	5/8
8-8 EBZ	8EE8	810-9	1/2	1.42	1.02	13/16
10-10 EBZ	10EE10	1010-9	5/8	1.50	1.10	15/16
12-12 EBZ	12EE12	1210-9	3/4	1.57	1.17	1-1/16
14-14 EBZ	14EE14	1410-9	7/8	1.76	1.36	1-3/8
16-16 EBZ	16EE16	1610-9	1	1.93	1.45	1-3/8
20-20 EBZ	20EE20	2010-9	1-1/4	2.61	1.75	1-5/8
24-24 EBZ	24EE24	2410-9	1-1/2	3.06	2.00	1-7/8
32-32 EBZ	32EE32	3210-9	2	4.22	2.75	2-13/16

NOTE: C dimension is typical finger-tight.

Dimensions for reference only, subject to change.

Sizes 20, 24, 32 require additional lubrication prior to assembly.