

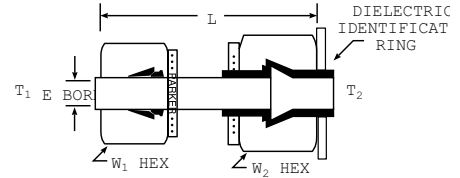
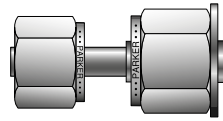
Tube to Tube Unions

Single/Double Ferrule
Instrument Compression
Fittings

Dielectric Union Adapter

For fractional tube

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



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	W ₁ HEX	W ₂ 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.

1) Polyetherether Ketone

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)

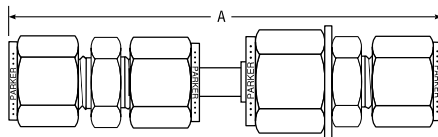
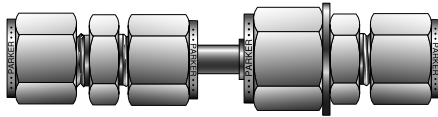
Dielectric withstanding voltage less than 100 microamps leakage @ 1500 volts AC

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
*COMPRESSION	*COMPRESSION	A†	
4H DEBTA	4H DELTA	4.08	6RU4/8RU4
6H DEBTA	6H DELTA	4.20	6SC6/8RU6
8H DEBTA	8H DELTA	4.79	8SC8/10RU8

FEMALE PIPE	FEMALE PIPE	A	END ADAPTORS
4G DEBTA	4G DELTA	3.59	6FSC4N/8FSC4N
6G DEBTA	6G DELTA	3.71	6FSC6N/8FSC6N
8G DEBTA	8G DELTA	4.40	8FSC8N/10FSC8N

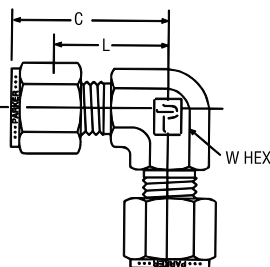
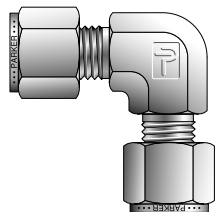
MALE PIPE	MALE PIPE	A	END ADAPTORS
4F DEBTA	4F DELTA	3.80	6MSC4N/8MSC4N
6F DEBTA	6F DELTA	3.80	6MSC6N/8MSC6N
8F DEBTA	8F DELTA	4.58	8MSC8N/10MSC8N

†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

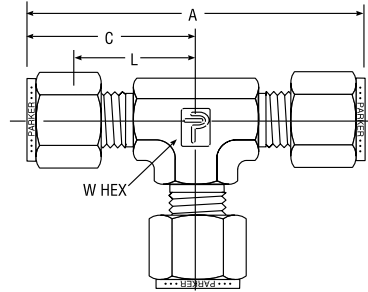
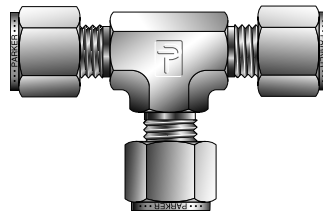
NOTE: C dimension is typical finger-tight.

Dimensions for reference only, subject to change.

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

Tube to Tube Unions

Union Tee For fractional tube



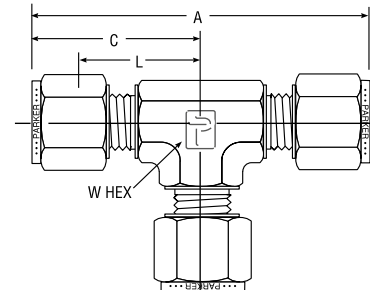
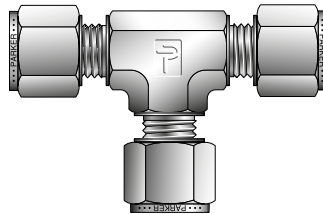
CPI™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	INCHES				
			TUBE O.D.	A	C	L	W HEX
1-1-1 JBZ	1ET1	100-3	1/16	1.42	0.71	0.56	3/8
2-2-2 JBZ	2ET2	200-3	1/8	1.76	0.88	0.62	3/8
3-3-3 JBZ	3ET3	300-3	3/16	1.96	0.96	0.70	7/16
4-4-4 JBZ	4ET4	400-3	1/4	2.12	1.06	0.77	1/2
5-5-5 JBZ	5ET5	500-3	5/16	2.34	1.17	0.88	5/8
6-6-6 JBZ	6ET6	600-3	3/8	2.40	1.20	0.91	5/8
8-8-8 JBZ	8ET8	810-3	1/2	2.84	1.42	1.02	13/16
10-10-10 JBZ	10ET10	1010-3	5/8	3.06	1.53	1.13	1
12-12-12 JBZ	12ET12	1210-3	3/4	3.14	1.57	1.16	1-1/16
14-14-14 JBZ	14ET14	1410-3	7/8	3.52	1.76	1.36	1-3/8
16-16-16 JBZ	16ET16	1610-3	1	3.86	1.93	1.45	1-3/8
20-20-20 JBZ	20ET20	2010-3	1-1/4	5.22	2.61	1.75	1-5/8
24-24-24 JBZ	24ET24	2410-3	1-1/2	6.12	3.06	2.00	1-7/8
32-32-32 JBZ	32ET32	3210-3	2	8.44	4.22	2.75	2-13/16

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.

Union Tee For metric tube



CPI™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	MILLIMETERS				IN/MM
			TUBE O.D.	A	C	L	W HEX
JBZ 2-2-2	ETM2	2MO-3	2	44,7	22,3	15,7	3/8
JBZ 3-3-3	ETM3	3MO-3	3	44,7	22,3	15,7	3/8
JBZ 4-4-4	ETM4	4MO-3	4	50,8	25,4	18,8	1/2
JBZ 6-6-6	ETM6	6MO-3	6	53,9	27,0	19,6	1/2
JBZ 8-8-8	ETM8	8MO-3	8	59,7	29,9	22,4	5/8
JBZ 10-10-10	ETM10	10MO-3	10	63,0	31,5	23,9	11/16
JBZ 12-12-12	ETM12	12MO-3	12	72,0	36,0	25,9	13/16
JBZ 14-14-14	ETM14	14MO-3	14	77,6	38,8	28,7	1
JBZ 15-15-15	ETM15	15MO-3	15	77,6	38,8	28,7	1
JBZ 16-16-16	ETM16	16MO-3	16	77,6	38,8	28,7	1
JBZ 18-18-18	ETM18	18MO-3	18	79,5	38,8	29,7	1-1/16
JBZ 20-20-20	ETM20	20MO-3	20	89,3	44,6	34,5	1-3/8
JBZ 22-22-22	ETM22	22MO-3	22	89,3	44,6	34,5	1-3/8
JBZ 25-25-25	ETM25	25MO-3	25	98,3	49,1	36,8	1-3/8
	ETM28	28MO-3	28	128,0	64,0	45,7	41 mm
	ETM30	30MO-3	30	140,0	70,0	50,1	48 mm
	ETM32	32MO-3	32	145	72,3	51,3	48 mm

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

Dimensions for reference only, subject to change.