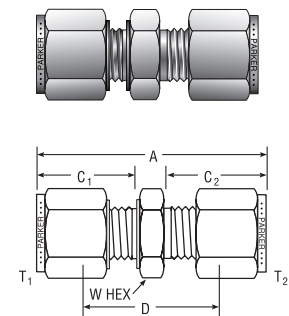


Conversion Union

For metric tube

Metric Tube to Inch Tube



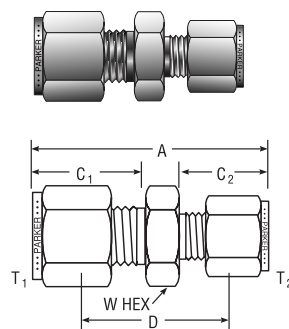
CPI™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	TUBE O.D.		MILLIMETERS				
			T ₁ MM	T ₂ INCH	A	C ₁	C ₂	D	W HEX
HBZ 3-1/8	M3CU2	3MO-6-2	3	1/8	36,3	15,3	15,3	22,6	12,0
HBZ 4-1/8	M4CU2	4MO-6-2	4	1/8	36,5	16,1	15,3	23,6	12,0
HBZ 4-1/4	M4CU4	4MO-6-4	4	1/4	39,3	16,1	17,7	26,4	14,0
HBZ 6-1/8	M6CU2	6MO-6-2	6	1/8	38,5	17,7	15,3	24,6	14,0
HBZ 6-1/4	M6CU4	6MO-6-4	6	1/4	41,1	17,7	17,7	25,9	14,0
HBZ 6-5/16	M6CU5	6MO-6-5	6	5/16	42,3	17,7	18,8	27,2	14,0
HBZ 8-1/4	M8CU4	8MO-6-4	8	1/4	42,3	18,6	17,7	27,2	15,0
HBZ 8-3/8	M8CU6	8MO-6-6	8	3/8	44,0	18,6	19,3	29,1	15,0
HBZ 10-1/8	M10CU2	10MO-6-2	10	1/8	41,8	19,5	15,3	27,9	18,0
HBZ 10-1/4	M10CU4	10MO-6-4	10	1/4	44,5	19,5	17,7	29,2	18,0
HBZ 10-3/8	M10CU6	10MO-6-6	10	3/8	46,0	19,5	19,3	30,7	18,0
HBZ 12-3/8	M12CU6	12MO-6-6	12	3/8	48,4	22,0	19,3	30,7	22,0
HBZ 12-1/2	M12CU8	12MO-6-8	12	1/2	51,1	22,0	21,8	31,0	22,0
HBZ 15-1/2	M15CU8	15MO-6-8	15	1/2	52,0	22,0	21,8	32,0	24,0
HBZ 16-3/8	M16CU6	16MO-6-6	16	3/8	52,0	22,0	19,3	34,3	24,0
HBZ 18-3/4	M18CU12	18MO-6-12	18	3/4	53,5	22,0	21,8	33,5	27,0

NOTE: A, C₁ and C₂ dimensions are typical finger-tight.

Dimensions for reference only, subject to change.

Reducing Union

For fractional tube



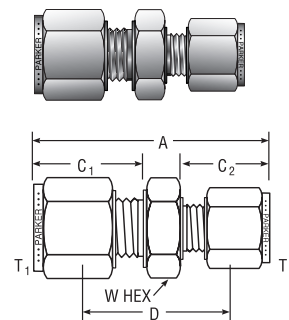
CPI™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	INCHES						
			T ₁ TUBE O.D.	T ₂ TUBE O.D.	A	C ₁	C ₂	D	W HEX
2-1 HBZ	2RU1	200-6-1	1/8	1/16	1.21	0.60	.43	0.81	7/16
3-1 HBZ	3RU1	300-6-1	3/16	1/16	1.27	0.64	.43	0.86	7/16
3-2 HBZ	3RU2	300-6-2	3/16	1/8	1.44	0.64	.60	0.92	7/16
4-1 HBZ	4RU1	400-6-1	1/4	1/16	1.38	0.70	.43	0.91	1/2
4-2 HBZ	4RU2	400-6-2	1/4	1/8	1.52	0.70	.60	0.97	1/2
4-3 HBZ	4RU3	400-6-3	1/4	3/16	1.55	0.70	.64	1.00	1/2
5-2 HBZ	5RU2	500-6-2	5/16	1/8	1.58	0.73	.60	1.03	9/16
5-4 HBZ	5RU4	500-6-4	5/16	1/4	1.67	0.73	.70	1.08	9/16
6-1 HBZ	6RU1	600-6-1	3/8	1/16	1.44	0.76	.43	1.00	5/8
6-2 HBZ	6RU2	600-6-2	3/8	1/8	1.61	0.76	.60	1.06	5/8
6-4 HBZ	6RU4	600-6-4	3/8	1/4	1.71	0.76	.70	1.13	5/8
6-5 HBZ	6RU5	600-6-5	3/8	5/16	1.75	0.76	.73	1.16	5/8
8-2 HBZ	8RU2	810-6-2	1/2	1/8	1.75	0.87	.60	1.09	13/16
8-4 HBZ	8RU4	810-6-4	1/2	1/4	1.85	0.87	.70	1.16	13/16
8-6 HBZ	8RU6	810-6-6	1/2	3/8	1.91	0.87	.76	1.22	13/16
10-6 HBZ	10RU6	1010-6-6	5/8	3/8	1.94	0.87	.76	1.25	15/16
10-8 HBZ	10RU8	1010-6-8	5/8	1/2	2.05	0.87	.87	1.25	15/16
12-4 HBZ	12RU4	1210-6-4	3/4	1/4	1.95	0.87	.76	1.25	1-1/16
12-6 HBZ	12RU6	1210-6-6	3/4	3/8	2.00	0.87	.76	1.31	1-1/16
12-8 HBZ	12RU8	1210-6-8	3/4	1/2	2.11	0.87	.87	1.31	1-1/16
12-10 HBZ	12RU10	1210-6-10	3/4	5/8	2.11	0.87	.87	1.31	1-1/16
16-8 HBZ	16RU8	1610-6-8	1	1/2	2.39	1.05	.87	1.50	1-3/8
16-12 HBZ	16RU12	1610-6-12	1	3/4	2.39	1.05	.87	1.50	1-3/8

NOTE: A, C₁ and C₂ dimensions are typical finger-tight.

Dimensions for reference only, subject to change.

Reducing Union

For metric tube



CPI™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	MILLIMETERS						
			T ₁ TUBE O.D.	T ₂ TUBE O.D.	A	C ₁	C ₂	D	W HEX
HBZ 3-2	M3RUM2	3MO-6-2M	3	2	35,8	15,3	15,3	22,6	12,0
HBZ 6-2	M6RUM2	6MO-6-2M	6	2	38,7	17,7	15,3	24,6	14,0
HBZ 6-3	M6RUM3	6MO-6-3M	6	3	38,7	17,7	15,3	24,6	14,0
HBZ 6-4	M6RUM4	6MO-6-4M	6	4	39,5	17,7	16,1	25,4	14,0
HBZ 8-6	M8RUM6	8MO-6-6M	8	6	42,4	18,6	17,7	27,4	15,0
HBZ 10-6	M10RUM6	10MO-6-6M	10	6	44,5	19,5	17,7	29,4	18,0
HBZ 10-8	M10RUM8	10MO-6-8M	10	8	44,5	19,5	18,6	29,4	18,0
HBZ 12-6	M12RUM6	12MO-6-6M	12	6	47,0	22,0	17,7	29,4	22,0
HBZ 12-8	M12RUM8	12MO-6-8M	12	8	47,8	22,0	18,6	30,2	22,0
HBZ 12-10	M12RUM10	12MO-6-10M	12	10	48,7	22,0	19,5	31,0	22,0
HBZ 16-10	M16RUM10	16MO-6-10M	16	10	49,5	22,0	19,5	31,8	24,0
HBZ 16-12	M16RUM12	16MO-6-12M	16	12	52,0	22,0	22,0	31,8	24,0
HBZ 18-12	M18RUM12	18MO-6-12M	18	12	53,5	22,0	22,0	33,3	27,0
HBZ 25-18	M25RUM18	25MO-6-18M	25	18	60,5	26,5	22,0	38,1	35,0
HBZ 25-20	M25RUM20	25MO-6-20M	25	20	62,3	26,5	22,0	39,9	35,0

NOTE: A, C₁ and C₂ dimensions are typical finger-tight.

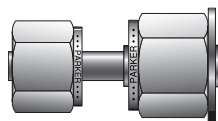
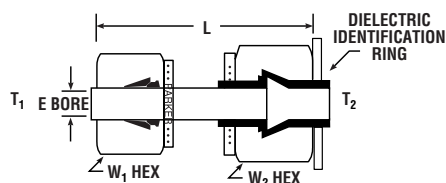
Dimensions for reference only, subject to change.

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)

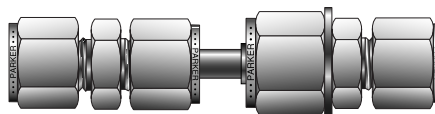
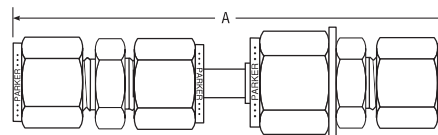
Dielectric withstanding voltage less than 100 microamps leakage @ 1500 volts AC

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



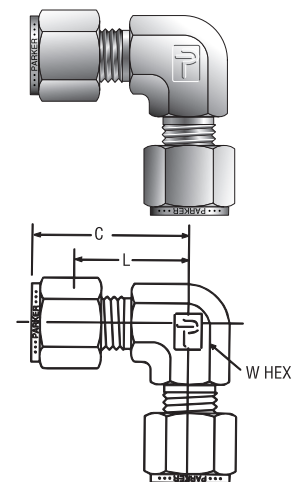
CPI™ ASSEMBLY PART NO.	A-LOK® ASSEMBLY PART NO.	INCHES	END ADAPTORS	
			CPI	A-LOK
*COMPRESSION	*COMPRESSION	A†		
4H DEBTA	4H DELTA	4.08	6-4 HBZ/8-4 HBZ	6RU4/8RU4
6H DEBTA	6H DELTA	4.20	6-6 HBZ/8-6 HBZ	6SC6/8RU6
8H DEBTA	8H DELTA	4.79	8-8 HBZ/10-8 HBZ	8SC8/10RU8
FEMALE PIPE	FEMALE PIPE	A	END ADAPTORS	
			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.