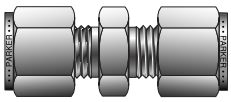
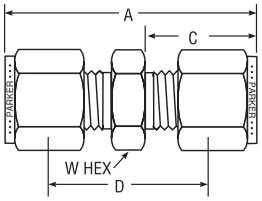
Tube to Tube Unions

Union
For fractional tube

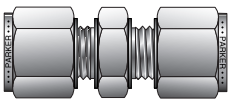


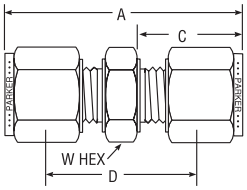


CPI™ PART NO.	A-LOK® PART NO.	INTER-CHANGES WITH	INCHES				
			TUBE O.D.	A	C	D	W HEX
1-1 HBZ	**1SC1**	100-6	1/16	0.99	0.43	0.69	5/16
2-2 HBZ	**2SC2**	200-6	1/8	1.39	0.60	0.88	7/16
3-3 HBZ	**3SC3**	300-6	3/16	1.48	0.64	0.95	7/16
4-4 HBZ	**4SC4**	400-6	1/4	1.62	0.70	1.03	1/2
5-5 HBZ	**5SC5**	500-6	5/16	1.70	0.73	1.11	9/16
6-6 HBZ	**6SC6**	600-6	3/8	1.77	0.76	1.19	5/8
8-8 HBZ	**8SC8**	810-6	1/2	2.02	0.87	1.22	13/16
10-10 HBZ	**10SC10**	1010-6	5/8	2.05	0.87	1.25	15/16
12-12 HBZ	**12SC12**	1210-6	3/4	2.11	0.87	1.31	1-1/16
14-14 HBZ	**14SC14**	1410-6	7/8	2.18	0.87	1.38	1-3/16
16-16 HBZ	**16SC16**	1610-6	1	2.57	1.05	1.59	1-3/8
20-20 HBZ	**20SC20**	2000-6	1-1/4	3.61	1.52	1.89	1-3/4
24-24 HBZ	**24SC24**	2400-6	1-1/2	4.23	1.77	2.11	2-1/8
32-32 HBZ	**32SC32**	3200-6	2	5.88	2.47	2.94	2-3/4

NOTE: A and C dimensions are typical finger-tight. Dimensions for reference only, subject to change.

Union
For metric tube





CPI™ PART NO.	A-LOK® PART NO.	INTER-CHANGES WITH	MILLIMETERS				
			TUBE O.D.	A	C	D	W HEX
HBZ 2-2	**SCM2**	2MO-6	2	35,6	15,3	22,4	12,0
HBZ 3-3	**SCM3**	3MO-6	3	35,3	15,3	22,1	12,0
HBZ 4-4	**SCM4**	4MO-4	4	37,4	16,1	24,2	12,0
HBZ 6-6	**SCM6**	6MO-6	6	41,2	17,7	26,2	14,0
HBZ 8-8	**SCM8**	8MO-6	8	43,2	18,6	28,2	15,0
HBZ 10-10	**SCM10**	10MO-6	10	46,2	19,5	31,0	18,0
HBZ 12-12	**SCM12**	12MO-6	12	51,2	22,0	31,0	22,0
HBZ 14-14	**SCM14**	14MO-6	14	52,0	22,0	31,8	24,0
HBZ 15-15	**SCM15**	15MO-6	15	52,0	22,0	31,8	24,0
HBZ 16-16	**SCM16**	16MO-6	16	52,0	22,0	31,8	24,0
HBZ 18-18	**SCM18**	18MO-6	18	53,5	22,0	33,3	27,0
HBZ 20-20	**SCM20**	20MO-6	20	55,0	22,0	34,8	30,0
HBZ 22-22	**SCM22**	22MO-6	22	55,0	22,0	34,8	30,0
HBZ 25-25	**SCM25**	25MO-6	25	65,1	26,5	40,5	35,0

NOTE: A and C dimensions are typical finger-tight. Dimensions for reference only, subject to change.

Color Coding

For easy reference, table column headings are color indicated as follows:

fractional

metric

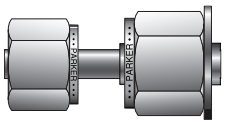
Parker Hannifin Corporation
Instrumentation Products Division
Huntsville, AL USA
www.parker.com/ipd

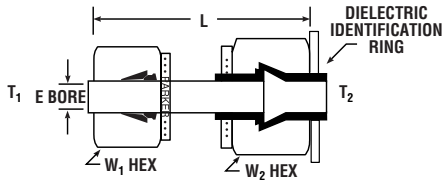
Dielectric Union Adapter

For fractional tube

includes nuts, machined tube with molded PEEK[1] 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)

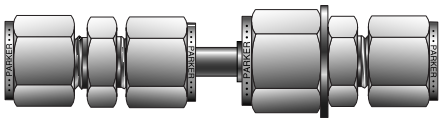
Dielectric withstanding voltage less than 100 microamps leakage @ 1500 volts AC

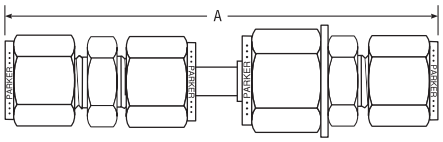
AMBIENT TEMPERATURE, °F	-40	-20	0	20	40	60	80	100	120	140	160	180	200
TEMPERATURE DERATING FACTOR	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.93	0.86	0.79	0.72	0.64	0.56

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

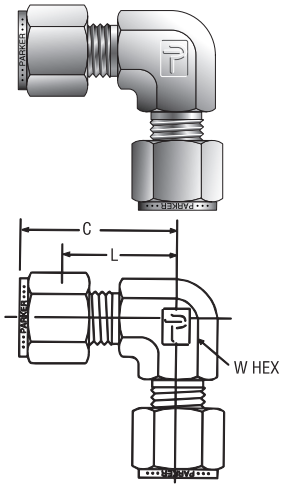
FEMALE PIPE	FEMALE PIPE	A	END ADAPTORS	
			CPI	A-LOK
4G DEBTA	**4G DELTA**	3.59	6-4 GBZ/8-4 GBZ	6FSC6N/8FSC6N
6G DEBTA	**6G DELTA**	3.71	6-6 GBZ/8-6 GBZ	6FSC6N/8FSC6N
8G DEBTA	**8G DELTA**	4.40	8-8 GBZ/10-8 GBZ	8FSC8N/10FSC8N

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.

Parker Hannifin Corporation
Instrumentation Products Division
Huntsville, AL USA
www.parker.com/ipd