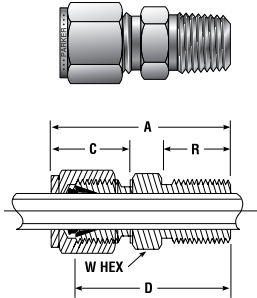


Tube to Male Pipe

Thermocouple Connector For fractional tube



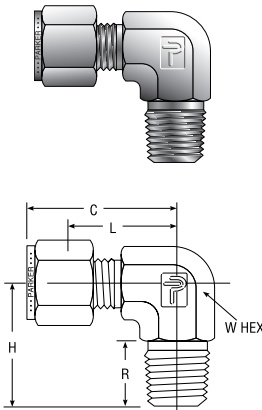
CPI™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	INCHES						
			TUBE O.D.	NPT PIPE THREAD	A	C	D	R	W HEX
1-1 FH4BZ	1MTC1N	100-1-1BT	1/16	1/16	0.93	.43	0.78	.38	5/16
1-2 FH4BZ	1MTC2N	100-1-2BT	1/16	1/8	1.03	.43	0.88	.38	7/16
1-4 FH4BZ	1MTC4N	100-1-4BT	1/16	1/4	1.23	.43	1.08	.56	9/16
2-1 FH4BZ	2MTC1N	200-1-1BT	1/8	1/16	1.17	.60	0.91	.38	3/8
2-2 FH4BZ	2MTC2N	200-1-2BT	1/8	1/8	1.20	.60	0.94	.38	7/16
2-4 FH4BZ	2MTC4N	200-1-4BT	1/8	1/4	1.40	.60	1.14	.56	9/16
3-2 FH4BZ	3MTC2N	300-1-2BT	3/16	1/8	1.23	.64	0.97	.38	7/16
3-4 FH4BZ	3MTC4N	300-1-4BT	3/16	1/4	1.43	.64	1.17	.56	9/16
4-2 FH4BZ	4MTC2N	400-1-2BT	1/4	1/8	1.29	.70	1.00	.38	1/2
4-4 FH4BZ	4MTC4N	400-1-4BT	1/4	1/4	1.49	.70	1.20	.56	9/16
4-6 FH4BZ	4MTC6N	400-1-6BT	1/4	3/8	1.60	.70	1.22	.56	11/16
4-8 FH4BZ	4MTC8N	400-1-8BT	1/4	1/2	1.87	.70	1.47	.75	7/8
5-4 FH4BZ	5MTC4N	500-1-4BT	5/16	1/4	1.52	.73	1.22	.56	9/16
6-4 FH4BZ	6MTC4N	600-1-4BT	3/8	1/4	1.57	.76	1.28	.56	5/8
6-6 FH4BZ	6MTC6N	600-1-6BT	3/8	3/8	1.57	.76	1.28	.56	11/16
6-8 FH4BZ	6MTC8N	600-1-8BT	3/8	1/2	1.82	.76	1.53	.75	7/8
6-12 FH4BZ	6MTC12N	600-1-12BT	3/8	3/4	1.88	.76	1.59	.75	1-1/16
8-8 FH4BZ	8MTC8N	810-1-8BT	1/2	1/2	1.93	.87	1.53	.76	7/8
8-12 FH4BZ	8MTC12N	810-1-12BT	1/2	3/4	1.99	.87	1.59	.75	1-1/16
10-12 FH4BZ	10MTC12N	1010-1-12BT	5/8	3/4	1.99	.87	1.59	.75	1-1/16
12-12 FH4BZ	12MTC12N	1210-1-12BT	3/4	3/4	1.99	.87	1.59	.75	1-1/16
16-16 FH4BZ	16MTC16N	1610-1-16BT	1	1	2.46	1.05	1.97	.94	1-3/8

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

Dimensions for reference only, subject to change.

Single/Double Ferrule
Instrument Compression
Fittings

NPT Male Elbow For fractional tube



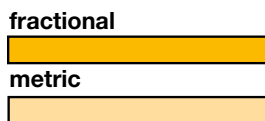
CPI™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	INCHES						
			TUBE O.D.	NPT PIPE THREAD	C	H	L	R	W HEX
1-1 CBZ	1MSEL1N	100-2-1	1/16	1/16	.75	0.70	.60	.38	7/16
1-2 CBZ	1MSEL2N	100-2-2	1/16	1/8	.75	0.70	.60	.38	7/16
2-1 CBZ	2MSEL1N	200-2-1	1/8	1/16	.93	0.70	.67	.38	7/16
2-2 CBZ	2MSEL2N	200-2-2	1/8	1/8	.93	0.70	.67	.38	7/16
2-4 CBZ	2MSEL4N	200-2-4	1/8	1/4	.97	0.93	.72	.56	9/16
3-2 CBZ	3MSEL2N	300-2-2	3/16	1/8	1.00	0.74	.74	.38	1/2
3-4 CBZ	3MSEL4N	300-2-4	3/16	1/4	1.00	0.93	.74	.56	9/16
4-1 CBZ	4MSEL1N	400-2-1	1/4	1/16	1.06	0.74	.77	.38	1/2
4-2 CBZ	4MSEL2N	400-2-2	1/4	1/8	1.06	0.74	.77	.38	1/2
4-4 CBZ	4MSEL4N	400-2-4	1/4	1/4	1.06	0.93	.77	.56	9/16
4-6 CBZ	4MSEL6N	400-2-6	1/4	3/8	1.17	1.04	.88	.56	11/16
4-8 CBZ	4MSEL8N	400-2-8	1/4	1/2	1.25	1.31	.96	.75	13/16
5-2 CBZ	5MSEL2N	500-2-2	5/16	1/8	1.13	0.79	.84	.38	9/16
5-4 CBZ	5MSEL4N	500-2-4	5/16	1/4	1.13	0.97	.84	.56	9/16
6-2 CBZ	6MSEL2N	600-2-2	3/8	1/8	1.20	0.82	.91	.38	5/8
6-4 CBZ	6MSEL4N	600-2-4	3/8	1/4	1.20	1.01	.91	.56	5/8
6-6 CBZ	6MSEL6N	600-2-6	3/8	3/8	1.23	1.13	.97	.56	11/16
6-8 CBZ	6MSEL8N	600-2-8	3/8	1/2	1.31	1.31	1.02	.75	13/16
6-12 CBZ	6MSEL12N	600-2-12	3/8	3/4	1.46	1.46	1.17	.75	1-1/16
8-4 CBZ	8MSEL4N	810-2-4	1/2	1/4	1.42	1.12	1.02	.56	13/16
8-6 CBZ	8MSEL6N	810-2-6	1/2	3/8	1.42	1.12	1.02	.56	13/16
8-8 CBZ	8MSEL8N	810-2-8	1/2	1/2	1.42	1.31	1.02	.75	13/16
8-12 CBZ	8MSEL12N	810-2-12	1/2	3/4	1.57	1.46	1.17	.75	1-1/16
10-6 CBZ	10MSEL6N	1010-2-6	5/8	3/8	1.50	1.20	1.10	.56	15/16
10-8 CBZ	10MSEL8N	1010-2-8	5/8	1/2	1.50	1.39	1.10	.75	15/16
10-12 CBZ	10MSEL12N	1010-2-12	5/8	3/4	1.57	1.46	1.17	.75	1-1/16
12-8 CBZ	12MSEL8N	1210-2-8	3/4	1/2	1.57	1.46	1.17	.75	1-1/16
12-12 CBZ	12MSEL12N	1210-2-12	3/4	3/4	1.57	1.46	1.17	.75	1-1/16
14-12 CBZ	14MSEL12N	1410-2-12	7/8	3/4	1.76	1.65	1.36	.75	1-3/8
16-12 CBZ	16MSEL12N	1610-2-12	1	3/4	1.93	1.65	1.45	.75	1-3/8
16-16 CBZ	16MSEL16N	1610-2-16	1	1	1.93	1.84	1.45	.94	1-3/8
20-20 CBZ	20MSEL20N	2010-2-20	1-1/4	1-1/4	2.61	1.88	1.75	.97	1-5/8
24-24 CBZ	24MSEL24N	2410-2-24	1-1/2	1-1/2	3.06	2.38	2.00	1.00	1-7/8
32-32 CBZ	32MSEL32N	3200-2-32	2	2	4.22	2.79	2.75	1.04	2-13/16

NOTE: C dimension is typical finger-tight.

Dimensions for reference only, subject to change.

Sizes 20, 24 require additional lubrication prior to assembly.

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





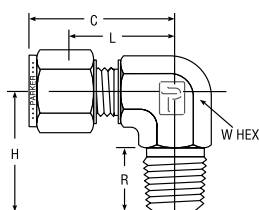
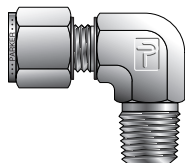
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FLUID SYSTEMS & COMPONENTS

Tube to Male Pipe

NPT Male Metric Elbow For metric tube

Single/Double Ferrule
Instrument Compression
Fittings

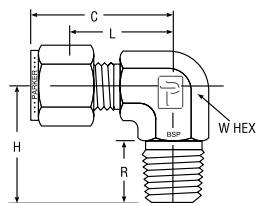
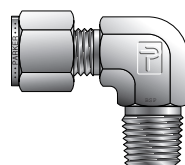


CPI™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	MILLIMETERS						INCHES W HEX
			TUBE O.D.	NPT THREAD	C	H	L	R	
CBZ 3-1/8	M3MSEL1/8N	3MO-2-2	3	1/8	23,6	17,8	17,0	9,7	7/16
CBZ 3-1/4	M3MSEL1/4N	3MO-2-4	3	1/4	24,6	23,4	18,0	14,2	1/2
CBZ 4-1/8	M4MSEL1/8N	4MO-2-2	4	1/8	25,4	18,8	19,2	9,7	1/2
CBZ 4-1/4	M4MSEL1/4N	4MO-2-4	4	1/4	26,2	25,4	19,6	14,2	1/2
CBZ 6-1/8	M6MSEL1/8N	6MO-2-2	6	1/8	27,0	18,8	19,6	9,7	1/2
CBZ 6-1/4	M6MSEL1/4N	6MO-2-4	6	1/4	27,0	23,4	19,6	14,2	1/2
CBZ 6-3/8	M6MSEL3/8N	6MO-2-6	6	3/8	29,8	26,2	22,4	14,2	11/16
CBZ 6-1/2	M6MSEL1/2N	6MO-2-8	6	1/2	31,8	33,0	24,4	19,0	13/16
CBZ 8-1/8	M8MSEL1/8N	8MO-2-2	8	1/8	28,8	19,8	21,3	9,7	9/16
CBZ 8-1/4	M8MSEL1/4N	8MO-2-4	8	1/4	28,8	24,4	21,3	14,2	9/16
CBZ 8-3/8	M8MSEL3/8N	8MO-2-6	8	3/8	30,6	26,2	23,1	14,2	11/16
CBZ 8-1/2	M8MSEL1/2N	8MO-2-8	8	1/2	32,7	33,0	25,2	19,1	13/16
CBZ 10-1/8	M10MSEL1/8N	10MO-2-8	10	1/8	31,5	21,6	23,9	9,7	11/16
CBZ 10-1/4	M10MSEL1/4N	10MO-2-4	10	1/4	31,5	26,2	23,9	14,2	11/16
CBZ 10-3/8	M10MSEL3/8N	10MO-2-6	10	3/8	31,5	26,2	23,9	14,2	11/16
CBZ 10-1/2	M10MSEL1/2N	10MO-2-8	10	1/2	33,5	33,0	25,9	19,0	13/16
CBZ 12-1/4	M12MSEL1/4N	12MO-2-4	12	1/4	36,0	28,2	25,9	14,2	13/16
CBZ 12-3/8	M12MSEL3/8N	12MO-2-6	12	3/8	36,0	28,2	25,9	14,2	13/16
CBZ 12-1/2	M12MSEL1/2N	12MO-2-8	12	1/2	36,0	33,0	25,9	19,0	13/16
CBZ 12-3/4	M12MSEL3/4N	12MO-2-12	12	3/4	39,8	36,8	29,7	19,0	1-1/16
CBZ 15-1/2	M15MSEL1/2N	15MO-2-8	15	1/2	38,0	35,1	27,9	19,0	15/16
CBZ 16-3/8	M16MSEL3/8N	16MO-2-6	16	3/8	38,0	30,2	27,9	14,2	15/16
CBZ 16-1/2	M16MSEL1/2N	16MO-2-8	16	1/2	38,0	35,1	27,9	19,0	15/16
CBZ 16-3/4	M16MSEL3/4N	16MO-2-12	16	3/4	39,8	36,8	29,7	19,0	1-1/16
CBZ 18-1/2	M18MSEL1/2N	18MO-2-8	18	1/2	39,8	36,8	29,7	19,0	1-1/16
CBZ 18-3/4	M18MSEL3/4N	18MO-2-12	18	3/4	39,8	36,8	29,7	19,0	1-1/16
CBZ 20-1/2	M20MSEL1/2N	20MO-2-8	20	1/2	44,6	41,7	34,5	19,0	1-3/8
CBZ 20-3/4	M20MSEL3/4N	20MO-2-12	20	3/4	44,6	41,7	34,5	19,0	1-3/8
CBZ 22-3/4	M22MSEL3/4N	22MO-2-12	22	3/4	44,6	41,7	34,5	19,0	1-3/8
CBZ 25-3/4	M25MSEL3/4N	25MO-2-12	25	3/4	49,1	41,7	36,8	19,0	1-3/8
CBZ 25-1	M25MSEL1N	25MO-2-16	25	1	49,1	46,5	36,8	23,9	1-3/8

NOTE: C dimension is typical finger-tight.

Dimensions for reference only, subject to change.

BSP Taper Male Elbow For fractional tube



CPI™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	INCHES						
			TUBE O.D.	BSPT THREAD	C	H	L	R	W HEX
4-2K CBZ	4MSEL2K	400-2-2RT	1/4	1/8	1.06	0.75	0.77	.38	1/2
4-4K CBZ	4MSEL4K	400-2-4RT	1/4	1/4	1.06	0.94	0.77	.56	9/16
4-6K CBZ	4MSEL6K	400-2-6RT	1/4	3/8	1.17	1.05	0.88	.56	11/16
4-8K CBZ	4MSEL8K	400-2-8RT	1/4	1/2	1.25	1.32	0.96	.75	13/16
5-4K CBZ	5MSEL4K	500-2-4RT	5/16	1/4	1.13	0.98	0.84	.38	9/16
6-4K CBZ	6MSEL4K	600-2-4RT	3/8	1/4	1.20	1.02	0.91	.56	5/8
6-6K CBZ	6MSEL6K	600-2-4RT	3/8	3/8	1.23	1.05	0.97	.56	11/16
8-6K CBZ	8MSEL6K	810-2-6RT	1/2	3/8	1.42	1.13	1.02	.56	13/16
8-8K CBZ	8MSEL8K	810-2-8RT	1/2	1/2	1.42	1.32	1.02	.75	13/16

NOTE: C dimension is typical finger-tight.

Dimensions for reference only, subject to change.

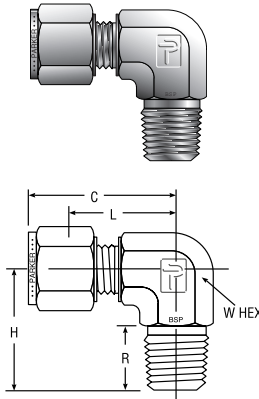


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Tube to Male Pipe

BSP Taper Male Elbow
For metric tube



CPIT™ PART NO.	A-LOK® PART NO.	INTER- CHANGES WITH	MILLIMETERS						INCHES
			TUBE O.D.	BSPT THREAD	C	H	L	R	W HEX
CBZ 3-1/8K	M3MSEL1/8K	3MO-2-2RT	3	1/8	23,6	17,8	17,0	9,7	7/16
CBZ 3-1/4K	M3MSEL1/4K	3MO-2-4RT	3	1/4	24,6	23,4	18,0	14,2	1/2
CBZ 4-1/8K	M4MSEL1/8K	4MO-2-2RT	4	1/8	25,4	18,8	18,8	9,7	1/2
CBZ 4-1/4K	M4MSEL1/4K	4MO-2-4RT	4	1/4	24,6	23,4	18,8	14,2	1/2
CBZ 6-1/8K	M6MSEL1/8K	6MO-2-2RT	6	1/8	27,0	18,8	19,6	9,7	1/2
CBZ 6-1/4K	M6MSEL1/4K	6MO-2-4RT	6	1/4	27,0	23,4	19,6	14,2	1/2
CBZ 6-3/8K	M6MSEL3/8K	6MO-2-6RT	6	3/8	29,8	26,2	22,4	14,2	11/16
CBZ 6-1/2K	M6MSEL1/2K	6MO-2-8RT	6	1/2	31,8	33,0	24,4	19,0	13/16
CBZ 8-1/8K	M8MSEL1/8K	8MO-2-2RT	8	1/8	28,8	19,8	21,3	9,7	9/16
CBZ 8-1/4K	M8MSEL1/4K	8MO-2-4RT	8	1/4	28,8	24,4	21,3	14,2	9/16
CBZ 8-3/8K	M8MSEL3/8K	8MO-2-6RT	8	3/8	30,6	26,2	23,1	14,2	11/16
CBZ 8-1/2K	M8MSEL1/2K	8MO-2-8RT	8	1/2	32,7	33,0	25,2	19,1	13/16
CBZ 10-1/8K	M10MSEL1/8K	10MO-2-2RT	10	1/8	31,5	21,6	23,9	9,7	11/16
CBZ 10-1/4K	M10MSEL1/4K	10MO-2-4RT	10	1/4	31,5	26,2	23,9	14,2	11/16
CBZ 10-3/8K	M10MSEL3/8K	10MO-2-6RT	10	3/8	31,5	26,2	23,9	14,2	11/16
CBZ 10-1/2K	M10MSEL1/2K	10MO-2-8RT	10	1/2	33,5	33,0	25,9	19,0	13/16
CBZ 12-1/4K	M12MSEL1/4K	12MO-2-4RT	12	1/4	36,0	28,2	25,9	14,2	13/16
CBZ 12-3/8K	M12MSEL3/8K	12MO-2-6RT	12	3/8	36,0	28,2	25,9	14,2	13/16
CBZ 12-1/2K	M12MSEL1/2K	12MO-2-8RT	12	1/2	36,0	33,0	25,9	19,0	13/16
CBZ 12-3/4K	M12MSEL3/4K	12MO-2-12RT	12	3/4	39,8	36,8	29,7	19,1	1-1/16
CBZ 16-3/8K	M16MSEL3/8K	16MO-2-6RT	16	3/8	38,0	30,2	27,9	14,2	15/16
CBZ 16-1/2K	M16MSEL1/2K	16MO-2-8RT	16	1/2	38,0	35,1	27,9	19,0	15/16
CBZ 18-1/2K	M18MSEL1/2K	18MO-2-8RT	18	1/2	39,8	36,8	29,7	19,0	1-1/16
CBZ 18-3/4K	M18MSEL3/4K	18MO-2-12RT	18	3/4	39,8	36,8	29,7	19,0	1-1/16
CBZ 20-3/4K	M20MSEL3/4K	20MO-2-12RT	20	3/4	44,6	41,7	34,5	19,0	1-3/8
CBZ 25-3/4K	M25MSEL3/4K	25MO-2-12RT	25	3/4	49,0	41,7	36,8	19,1	1-3/8
CBZ 25-1K	M25MSEL1K	25MO-2-16RT	25	1	49,1	46,5	36,8	23,9	1-3/8

NOTE: C dimension is typical finger-tight.

Dimensions for reference only, subject to change.

Single/Double Ferrule
Instrument Compression
Fittings

Color Coding

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

fractional



metric

