



# CPI™ TUBE FITTINGS

## SELECTOR CHART



### Tube to Male Pipe

NPT Male Connector <b>FBZ</b>	NPT Male Bulkhead Connector <b>FH2BZ</b>	Thermocoupler Connector <b>FH4BZ</b>	NPT Male Elbow <b>CBZ</b>	NPT Male 45° Elbow <b>VBZ</b>	NPT Male Run Tee <b>RBZ</b>	NPT Male Branch Tee <b>SBZ</b>

### Tube to Female Pipe

NPT Female Connector <b>GBZ</b>	NPT Female Bulkhead Connector <b>GH2BZ</b>	BSPG Gauge Connector <b>GC GBZ</b>	NPT Female Elbow <b>DBZ</b>	NPT Female Run Tee <b>MBZ</b>	NPT Female Branch Tee <b>OBZ</b>

### 37° Flare (AN) to CPI™

37° Flare (AN) to CPI™/A-LOK® <b>X6HBZ6</b>	37° Flare Connector <b>XHBZ</b>	37° Flare Bulkhead Connector <b>XH2BZ</b>

### Tube to Tube Unions

Union <b>HBZ</b>	Conversion Union <b>HBZ</b>	Reducing Union <b>HBZ</b>	Bulkhead Union <b>WBZ</b>	Dielectric Union, Adapter, Dielectric Assembly <b>DEBTA</b>	Union Elbow <b>EBZ</b>	Union Tee <b>JBZ</b>	Drop Size Tee <b>JBZ</b>	Union Cross <b>KBZ</b>

### Port Connectors

Tube End Reducer <b>TRBZ</b>	Tube End Bulkhead Adapter <b>T2H2BZ</b>	Port Connector <b>ZPC</b>
NPT Tube End Male Adapter <b>T2HF</b>	Tube End to SAE Straight Thread Adapter <b>T2HOA</b>	Tube End NPT Female Adapter <b>T2HG</b>

### Push-Lock Connectors

Push-Lock to Tube Adapter <b>P2T2</b>	Push-Lock to Male Adapter <b>P2HF</b>
Push-Lock to CPI™/A-LOK® <b>P2BZ6</b>	Push-Lock to Port Connector <b>ZPB2</b>

### Special Connectors

Lapped Joint Tube Adapters <b>LJFBZ</b>	DP Transmitter Calibration Adapters <b>ZH2X</b>
Sanitary Flange Fitting <b>ZHBS</b>	Vent Protector NPT Male Pipe Thread <b>MDF</b>

### Tube to O-Ring Seal

Male Connector SAE Straight Thread <b>ZHBA</b>	Male SAE Straight Thread Elbow <b>C5BZ</b>	Male Run Tee SAE Straight Thread <b>R5BZ</b>	Male Branch Tee SAE Straight Thread <b>S5BZ</b>	Long Male Connector SAE/MS Straight Thread <b>ZH3BA</b>	45° Positionable Male Elbow SAE/MS Straight Thread <b>V5BZ</b>	Male Connector to O-Ring Straight Thread <b>ZHBA5</b>	Male Connector to O-Ring Pipe Thread <b>ZHBF5</b>	Tube End to O-Ring Straight Thread <b>T2HOA5</b>
Tube End to O-Ring Pipe Thread <b>T2HOA5</b>	Pipe Thread to SAE Straight Thread Adapter <b>FHOA</b>	Bulkhead to Conversion Adapter <b>AH2BZ</b>						

### Tube to Welded Systems

Tube Socket Weld Elbow <b>ZEBW</b>	Pipe Butt Weld Elbow <b>ZEBW2</b>	Tube Socket Weld Connector <b>ZHBW</b>	Pipe Butt Weld Connector <b>ZHBW2</b>

### Barbed Fittings

Barbed Connector to Male Pipe <b>B2HFW</b>	Barbed Connector to Tube Adapter <b>B2HT2</b>	Hose Connector Sleeve <b>HCS</b>

### Components

Insert <b>TIZ</b>	Inverted Tube Nut <b>BZI</b>	Tube Nut <b>BZ</b>	Knurled Nut <b>BZP</b>	Front Ferrules <b>FF</b>	Back Ferrules <b>BF</b>	Ferrule Holder <b>-</b>	Plug <b>FNZ</b>	Cap <b>PNBZ</b>	Sealing Washer <b>-</b>
Bulkhead Locknut <b>WLZ</b>									



For additional information regarding fittings and ordering specifications, please refer to Catalog 4230/4233 - CPI™/A-LOK™ Tube Fittings



#### Instrumentation Products Division

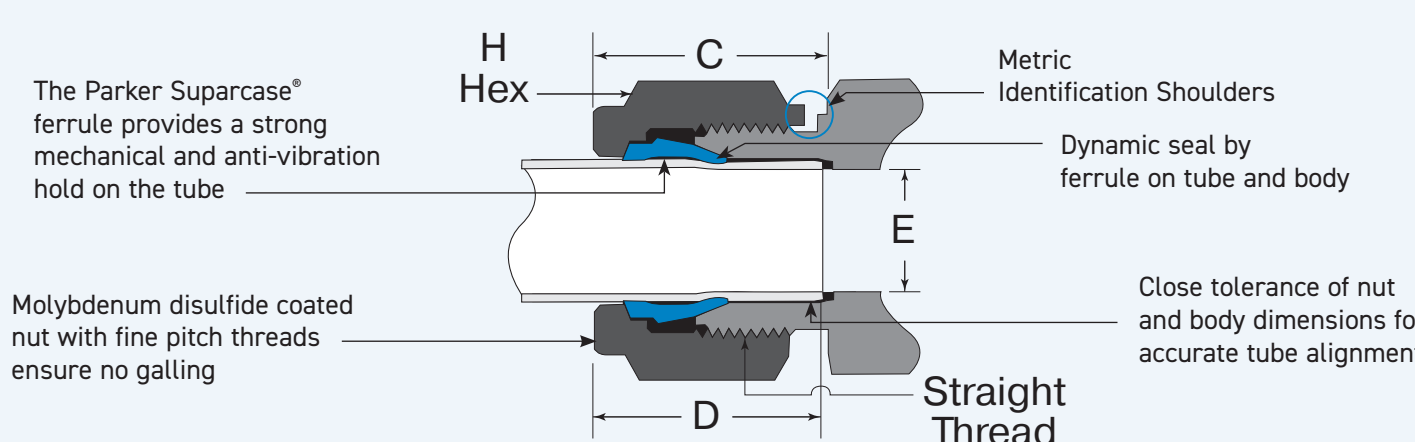
1005 A Cleaner Way  
Huntsville, AL 35805  
United States of America  
phone 256 881 2040

Pottington Business Park  
Barnstaple, EX31 1NP  
United Kingdom  
phone +44 1271 313131

[Parker.com/ipd](http://Parker.com/ipd)

© 2025 Parker Hannifin Corporation

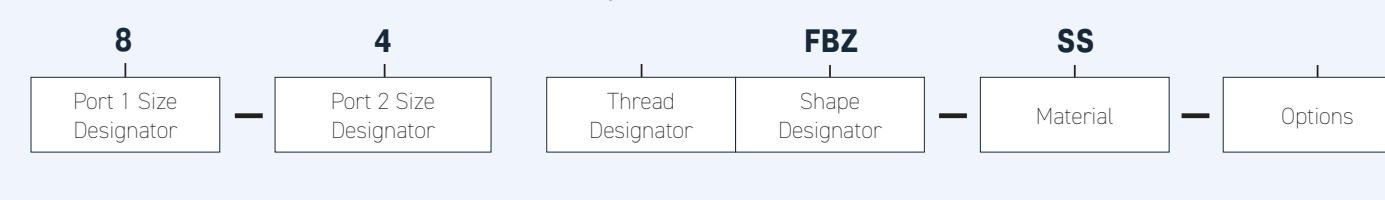
#### CPI™ Single Ferrule Fitting



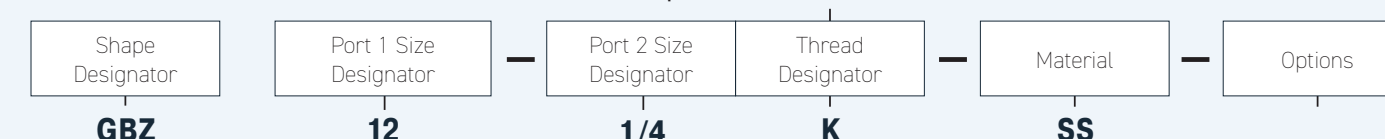
#### How to Order

Parker CPI™ Tube Fitting part numbers are constructed using alphanumeric characters to identify the size, style and material of the fitting. Please note hyphen (-) locations when building part number.

Imperial Example: (8-4FBZ-SS) Imperial (inches) part number shown below is for a Parker CPI™ Stainless Steel NPT Male Connector for 1/2" O.D. tube (8), and 1/4" Male Pipe Thread (4).



Metric Example: (GBZ12-1/4K-SS) Metric (mm) part number shown above is for a Parker CPI™ Stainless Steel NPT Female Connector for 12mm O.D. tube (12) and 1/4" Female Pipe Thread (1/4).



#### Tube End Dimensional Data

SIZE	Tube O.D.	Straight Thread		C†	H Hex		E Diameter		D† Tube Insertion Depth			
		in	mm		in	mm	in	mm	in	mm		
1	M2	1/16	2	10-32	0.43	15.3	5/16	12	0.052	1.7	0.34	12.9
2	M3	1/8	3	5/16-20	0.60	15.3	7/16	12	0.093	2.4	0.50	12.9
3	M4	3/16	4	3/8-20	0.64	16.1	1/2	12	0.125	2.4	0.54	13.7
4	M6	1/4	6	7/16-20	0.70	17.7	9/16	14	0.187	4.8	0.60	15.3
5	M8	5/16	8	1/2-20	0.73	18.6	5/8	15	0.250	6.4	0.64	16.2
6	M10	3/8	10	9/16-20	0.76	19.5	11/16	18	0.281	6.4	0.67	17.2
8	M12	1/2	12	3/4-20	0.87	22	7/8	22	0.406	9.5	0.90	22.8
	M14	14	14	7/8-20	22	24	24			11.1		24.4
	M15	15	15	7/8-20	22	24	24			11.9		24.4
10	M16	5/8	16	7/8-20	0.87	22	1	24	0.500	12.7	0.96	24.4
12	M18	3/4	18	1-20	0.87	22	1-1/8	27	0.625	15.1	0.96	24.4
	M20	20	20	1-1/8-20	22	30				15.9		26.0
14	M22	7/8	22	1-1/8-20	0.87	22	1-1/4	30	0.750	18.3	1.03	26.0
16	M25	1	25	1-5/16-20	1.05	26.5	1-1/2	35	0.875	21.8	1.24	31.3
20		1-1/4		1-5/8-20	1.52		1-7/8			1.09		1.61
24		1-1/2		1-15/16-20	1.77		2-1/4			1.34		1.96
32		2		2-5/8-20	2.47		2-3/4			1.81		2.65

NOTES: Dimensions C and D are shown in the finger-tight position. † Average Value Dimensions for reference only, subject to change.