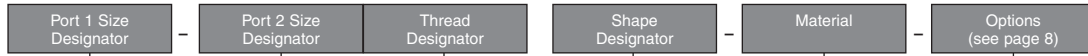


Nomenclature/How to Order

Parker CPI™/A-LOK® tube fitting part numbers are constructed using alphanumeric characters to identify the size, style and material of the fitting.

CPI™ Inch Parts



Example: 8 – 4 FBZ – SS
 1/2" Tube O.D. – 1/4" Pipe Thread (blank – see Note 1 below) Male Connector – Stainless Steel – (blank)

Part Number as it is ordered (without options): 8-4 FBZ-SS. This part appears on page 9 and is a CPI™ NPT male connector.

A-LOK® Inch Parts



Example: 8 MSC 4 N – 316
 1/2" Tube O.D. Male Connector 1/4" Pipe Thread NPT – Stainless Steel – (blank)

Part Number as it is ordered (without options): 8MSC4N-316. This part appears on page 9 and is an A-LOK® NPT male connector.

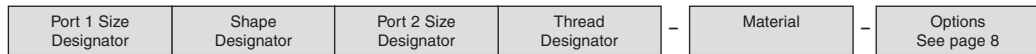
CPI™ Metric Parts



Example: GBZ 12 – 1/4 K – SS
 Female Connector 12mm – 1/4" BSP – Stainless Steel – (blank)

Part Number as it is ordered (without options): GBZ 12-1/4K-SS. This part appears on page 21 and is a CPI™ NPT female connector.

A-LOK® Metric Parts



Example: M12 FSC 1/4 N – 316
 12mm Female Connector 1/4" NPT – Stainless Steel – (blank)

Part Number as it is ordered (without options): M12FSC1/4N-316. This part appears on page 21 and is an A-LOK® NPT female connector.

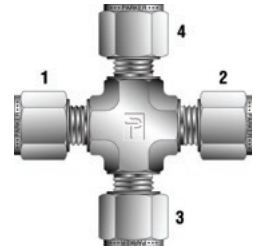
Body Designator: A letter or combination of letters and numbers are used to designate the type of fitting. See the visual index on pages 4–5 for body designator.

Fractional Size: Tube and pipe thread sizes are designed by the number of sixteenths of an inch (1/2" tube = 8/16" = 8) (1/4" pipe thread = 4/16" = 4).

Metric Size: Metric tube is designated in millimeters and prefixed "M" (i.e., 12mm tube – M12.) The pipe thread size is written as a fraction (i.e., 1/4 NPT = 1/4).

All Straights & Elbows: Call out largest CPI™/A-LOK® tube end size first followed by the smaller CPI™/A-LOK® tube end or pipe thread size.

Fractional Tees & Crosses: For drop size tees – first size the run (1 to 2) and then branch (3). Example – the size designator for a male run tee for 3/8" O.D. tube and 1/4" male pipe thread would be 6-4-6. For crosses – first size the run (1 to 2) and then the branch (3 to 4). For tees with all ends the same, use the tube and size before and after the style designator; i.e. 4-4-4 JBZ (CPI™), 4ET4 (A-LOK®).



Metric Tees & Crosses: For drop size tees – first size the run (1 to 2) and then branch (3). Example – the size designator for a male run tee for 6mm tube and 1/4" male pipe thread would be 6-4-6. For crosses – first size the run (1 to 2) and then the branch (3 to 4). For tees with all ends the same, use the tube end size after the style designator; i.e. JBZ 4-4-4 JBZ (CPI™), ETM4 (A-LOK®).

Material: See Table 1 on the previous page for the material symbol.

Thread Types:

N = NPT ⁽¹⁾ /National Pipe Taper	ANSI B1.20.1
K = BSP/ISO Taper	BS21, ISO7/1
R = BSP/ISO Parallel	BS2779, ISO 228/1+2, DIN 3852 FORM A ⁽²⁾
BR = BSP/ISO Parallel	BS2779, ISO 228/1+2, DIN 3852 FORM B ⁽³⁾
M = Metric Thread	ISO 6149-2
R-ED = BSPP/ISO Parallel	BS2779, ISO 228/1+2, DIN 3852 with elastic sealing washer ⁽⁴⁾
GC = BSPP Gauge Connector	B2779, ISO 228/1+2, DIN 3852

- (1) N thread designator is only used for A-LOK® nomenclature.
- (2) Form A requires the use of a bonded washer. See page 73 of this catalog.
- (3) Form B (cutting face) may be used with or without a sealing washer.
- (4) ED fittings are supplied with Nitrile sealing washers as standard. Fluorocarbon seals are available upon request.

Special Fittings: Consult the factory. If there is any question as to the fitting desired, particularly for special fitting configurations, it is suggested that a customer print be submitted.

Special Options: See the following page for available options.

Color Coding

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

fractional

metric

CPI™/A-LOK® Options

Parker CPI™/A-LOK® fittings may be ordered with the following options.

How to order

After the complete CPI™/A-LOK® number simply add a "dash" then the suffix for the option.

The following example is an A-LOK® male connector for 1/2" OD tube and 1/4" male pipe that has been cleaned for oxygen service. For additional options, please consult the factory.

8MSC4N-316-C

Suffix	Option	Additional Information
ZYF	Assembled with nylon ferrule(s)	
SPF	Silver plated ferrule(s)	
TF	PTFE ferrule(s)	
BP*	Bulk packed	* Indicates the quantity i.e BP50 for a fifty count package.
LWH	Lock wire hole	
BZP	Knurled nut	Replaces standard nut on CPI™/A-LOK® fittings for use on soft plastic tubing.
C	Silver plated nut	Replaces moly coated nut (BZ).
MI	Moly inside nut	
CNQ	Certified Nuclear Quality	
C1	Grade A Cleaning	Special cleaning, assembly, inspection and packaging for high purity applications.
C3	Cleaned for oxygen service	Meets the requirements of ASTM G93-88; Standard Practice for Cleaning Methods for Materials and Equipment used in Oxygen-Enriched Environments.
CNG	Compressed natural gas service	Assembled with a specific o-ring compound.
NIC	Nickel plated	
CRM	Chrome plated	
VO	Viton O-ring	
NC	NACE	MRO175-2003
NACE	NACE	MRO175-2002
DFARS	Defense Acquisition Regulations System	All components and raw material must be of US origin or from an approved country.