

MPI™ Medium Pressure Fittings

Typical Raw Material Specifications

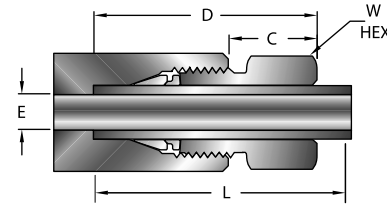
Basic Fitting Material	Bar Stock	Forging
Stainless Steel (Type 316) (1)	ASME/ASTM SA/A-479 Type 316-SS ASTM A-276 Type 316 BS970 316-S31 DIN 4401	ASME SA-182 316 BS970 316-S31 DIN 4401

- (1) If additional information, including heat code traceability, is required, contact Parker Hannifin or your nearest MPI™ Fitting distributor.
- (2) Parker MPI™ Fittings work reliably on cold drawn - 1/8 hard tubing (both MPI™ and Cone & Thread), and fully annealed, heavy wall type 316 tubing. See page 182 for more information about tubing.

Tube End Dimensional Data

Size No.	Inches						
	Tube O.D.	Straight Thread	C	D	E	*L	W Hex
4	1/4	1/2 - 20	.50	1.34	.13	1.62	9/16
6	3/8	5/8 - 20	.63	1.58	.25	1.88	11/16
8	1/2	13/16 - 20	.69	1.85	.31	2.25	15/16
9	9/16	7/8 - 20	.75	1.91	.38	2.25	1
12	3/4	1 1/8 - 18	.88	2.26	.52	2.75	1 1/4
16	1	1 7/16 - 18	1.13	2.88	.69	3.38	1 1/2

*L - Recommended Straight Length of Circular Un-bent Tubing
Dimensions in inches are for reference only, subject to change.



How To Order MPI™ Fittings

Dimensions in inches are for reference only, subject to change.

Parker MPI™ Fittings should be ordered using the part number as listed in this catalog.

Part numbers are developed as follows:

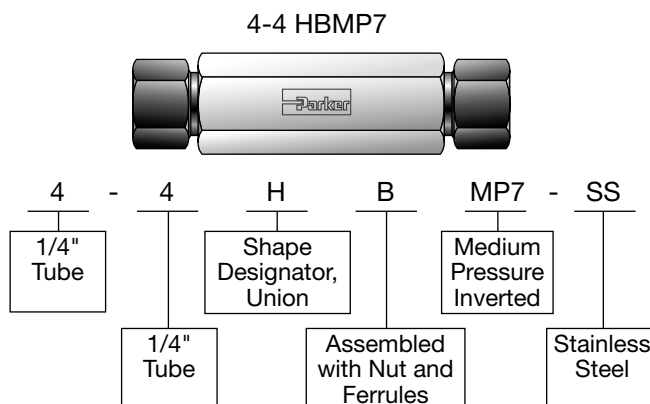
1. A combination of letters and numbers identifies the size and style of the fitting and the material used.
2. Tube and pipe thread sizes are designated by the number of sixteenths of an inch (1/4" tube = 4/16" or 4).

All standard MPI™ Fittings are manufactured from 316 stainless steel. Other materials are available upon special order.

Straights and Elbows: Specify the largest end of the MPI first, followed by the smaller tube end OR pipe thread size.

Example:

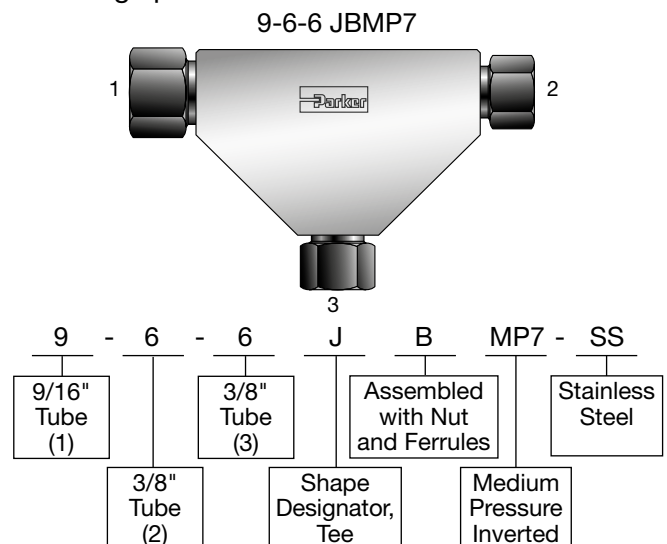
Part number 4-4 HBMP7 union would have the specifications listed below.



Tees:

Example:

Part number 9-6-6 JBMP7 would have the following specifications:



Customer Requests: When special configurations are required, please provide a blueprint of the installation to Parker with your request for a price quote.

Cryogenic Service: MPI™ fittings for cryogenic applications include a vent hole to prevent pressure build-up in front of the threads. To order "vented" MPI™ parts, add "-VT" to the end of the standard part number (e.g., 6-6 HBMP7-SS becomes 6-6 HBMP7-SS-VT).