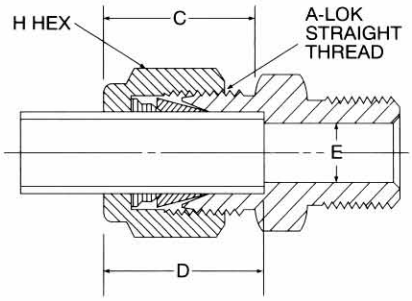
Table 1 – Typical Raw Material Specifications and Tube End Dimensional Data

BASIC FITTING MATERIAL	BAR STOCK	FORGING	COMMON TUBING SPECIFICATION
BRASS	CA-360 QQ-B 626 Alloy 360 ASTM-B16 Alloy 360 CA-345 ASTM-B-453 Alloy 345	CA-377 QQ-B 626 Alloy 377 ASTM-B-124 Alloy 377	ASTM-B75 ASME-SB75 (TEMPER "O")
STAINLESS STEEL (Type 316)[1]	ASME-SA-479 Type 316-SS	ASME-SA-182 F316	ASME-SA-213 ASTM-A-213 ASTM-A-249 ASTM-A-269[2] MIL T-8504 MIL T-8506
STEEL	ASTM-A-108 QQ-S-637	ASTM-A-576	SAE J524b SAE J525b ASTM-A-179
ALUMINUM	2017-T4 or 2024-T4 ASTM-B211 QQ-A-225/5 or 6	2014T (as fabricated) ASTM-B-211 QQ-A-225/4	303, 6061T6 ASTM-B-210
NICKEL-COPPER	ASTM-B-164 QQ-N-281	ASTM-B-164 QQ-N-281	ASTM-B-165
HASTELLOY C-276®	ASTM-B-574	ASTM-B-574 ASTM-B-575	ASTM-B-622 ASTM-B-626
ALLOY 600	ASTM B-166 ASME-SB-166	ASTM-B-564	ASTM-B-163
CARPENTER 20®	ASTM-B-473	ASTM-B-462 ASTM-B-472	ASTM-B-468

(1) If more specific information, including heat code traceability, is required, your Parker Hannifin A-lok distributor will provide details.
(2) Stainless steel A-lok fittings work reliably on both seamless and welded-redrawn, fully annealed type 304 and 316 tubing.

Size No.	Tube O.D.	A-lok Straight Thread	Inches †C	H Hex	E Dia.	†D Tube Ins. Depth
1	1/16	10-32	.43	5/16	.052	.34
2	1/8	5/16-20	.60	7/16	.093	.51
3	3/16	3/8-20	.64	1/2	.125	.54
4	1/4	7/16-20	.70	9/16	.187	.60
5	5/16	1/2-20	.73	5/8	.250	.64
6	3/8	9/16-20	.76	11/16	.281	.67
8	1/2	3/4-20	.87	7/8	.406	.90
10	5/8	7/8-20	.87	1	.500	.96
12	3/4	1-20	.87	1-1/8	.625	.96
14	7/8	1-1/8-20	.87	1-1/4	.750	1.03
16	1	1-5/16-20	1.05	1-1/2	.875	1.24

NOTE: Dimensions C and D are shown in the finger tight position.

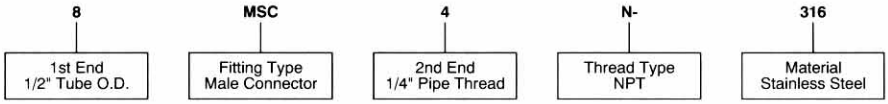


Nomenclature

Parker A-lok fittings part numbers are constructed from symbols that identify the size and style of the fitting and material used.

Example: The part number shown below is for a Parker A-lok stainless steel male connector for 1/2" O.D. tube (–8) and 1/4" male pipe thread (–4).

How To Order

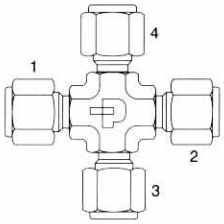


Parker A-lok Tube Fittings are ordered by part number as listed in this catalog.

Size: Tube and pipe thread sizes are designed by the number of sixteenths of an inch (3/8" tube = 6/16" = 6). (1/4" pipe thread = 4/16" = 4).

Straights & Elbows: Call out largest A-lok tube end size first followed by the smaller A-lok tube end or pipe thread size.

Tees & Crosses: For 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).



Type: A letter or combination of letters and numbers are used to designate the type of fitting. (i.e. MBT – male branch tee, FA = female adapter, etc.) See the visual index for other type fittings.

Material: Basic material type (B = brass, SS = stainless steel, type 316; S = steel; A -= aluminum; M = nickel copper; HC = Hastelloy C-276®; IN = Alloy 600; SS20 = Carpenter 20®). Parker A-lok Tube fittings, for special applications, can be furnished in almost any material suitable for machining.

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

Availability: Only items priced in current price list 4233 are carried in stock. Price and delivery for non-standard items quoted on request for quantity specified.

Note: Hastelloy C-276 is a registered trademark of Cabot Corporation. Carpenter 20 is a registered trademark of Carpenter Technology Corporation.