



# Air Brake-NTA<sup>®</sup> Fittings

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MATERIALS OF CONSTRUCTION	
FITTINGS:	BRASS
NUTS:	BRASS
SLEEVE:	BRASS
THREAD SEALANT:	LOCTITE VIBRA-SEAL 516

NOMENCLATURE	
EXAMPLE: VS68NTA-10-8	ATTRIBUTE:
VS	LOCITE VIBRA SEAL 516
68	MALE CONNECTOR
NTA	NYLON TUBE AIR BRAKE FITTING
10	5/8" (10/16) TUBE SIZE
8	1/2" (8/16) PIPE THREAD

APPLICABLE TUBE	
TUBE MATERIAL:	SAE J844 TYPE A & B NYLON TUBING
TUBE O.D.:	3/16, 1/4, 3/8, 1/2, 5/8, 3/4

SPECIFICATIONS	
PRESSURE RANGE:	UP TO 150 PSI
TEMPERATURE RANGES:	-40° TO +200°F

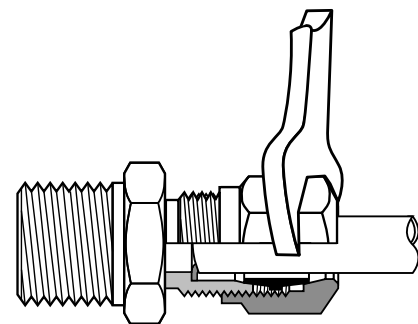
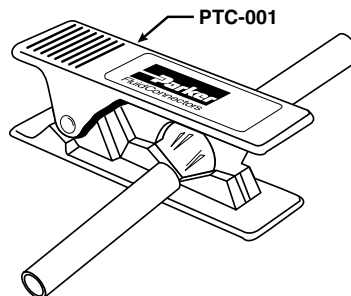


Fittings meet D.O.T. FMVSS 571.106 air brake specifications. Fittings utilize a ribbed sleeve for compression and positive grip. Fittings are pre-applied with thread sealant. Meets functional requirements of the SAE automotive tube fitting standards: SAE J246 and SAE J1131. Electroless nickel plated bodies can be used with bio-diesel.

## Assembly Instructions

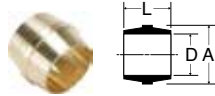
1. Cut tubing squarely—maximum of 15° angle allowable. (Use of Parker tube cutter PTC-001 is recommended.)
2. Check that port or mating part is clean and free of debris.
3. Insert tubing into fitting until it bottoms on seat.
4. Tighten nut with wrench until one thread remains visible on the fitting body; (this will allow for a number of remakes) or, the nut should be screwed down finger tight, then the wrench-tightened as indicated in the following table.

TUBE SIZE	ADDITIONAL NUMBER OF TURNS FROM HAND-TIGHT
3/16	2-1/2
1/4	3
3/8 & 1/2	4
5/8 & 3/4	3-1/2



### Sleeve 60NTA

REF. SAE 100115

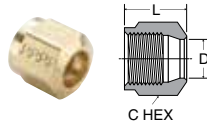


PART NO.	TUBE SIZE	A	D	L
60NTA-3*	3/16	.255	.194	.23
60NTA-4	1/4	.359	.256	.30
60NTA-6	3/8	.479	.384	.39
60NTA-8	1/2	.624	.509	.43
60NTA-10	5/8	.746	.634	.49
60NTA-12	3/4	.922	.760	.54

\*Meets D.O.T. FMVSS 571.106 specification. No applicable SAE specification for this tube size.

### Nut 61NTA

REF. SAE 100110

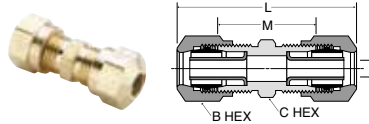


PART NO.	TUBE SIZE	STRAIGHT THREAD	C HEX	D	L
61NTA-3*	3/16	5/16-24	7/16	.194	.40
61NTA-4	1/4	7/16-24	9/16	.256	.45
61NTA-6	3/8	17/32-24	5/8	.384	.63
61NTA-8	1/2	11/16-20	13/16	.509	.72
61NTA-10	5/8	13/16-18	15/16	.634	.77
61NTA-12	3/4	1-18	1-1/8	.760	.81

\*Meets D.O.T. FMVSS 571.106 specification. No applicable SAE specification for this tube size.

### Union 62NTA

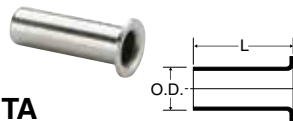
REF. SAE 100101 BA



PART NO.	TUBE SIZE	STRAIGHT THREAD	B HEX	C HEX	L	M	FLOW DIA. D
62NTA-4	1/4	7/16-24	9/16	7/16	1.49	.83	.137
62NTA-6	3/8	17/32-24	5/8	9/16	2.00	1.08	.217
62NTA-8	1/2	11/16-20	13/16	11/16	2.32	1.29	.338
62NTA-10	5/8	13/16-18	15/16	13/16	2.39	1.41	.398
62NTA-12	3/4	1-18	1-1/8	1	2.60	1.58	.523

### Stainless Steel Insert 63NTA

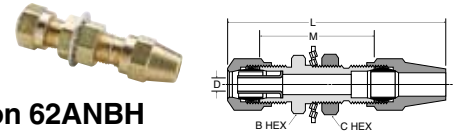
(FOR SAE J844 TUBING)



PART NO.	TUBE SIZE	L	O.D.
63NTA-4	1/4	.53	.163
63NTA-6	3/8	.64	.245
63NTA-8	1/2	.81	.370
63NTA-10	5/8	.86	.434
63NTA-12	3/4	1.04	.559

### Bulkhead Union 62ANBH

(NTA® & AIR BRAKE)



PART NO.	TUBE SIZE	STRAIGHT THREAD	B HEX	C HEX	L	M	FLOW DIA. D	BULKHEAD HOLE DIA.
62ANBH-4	1/4	7/16-24	9/16	9/16	2.28	1.38	.137	7/16
62ANBH-6	3/8	17/32-24	11/16	3/4	2.97	1.62	.217	17/32
62ANBH-8	1/2	11/16-20	13/16	1	3.36	1.88	.338	11/16

### Bulkhead Union 62NBH

PART NO.	TUBE SIZE	STRAIGHT THREAD	B HEX	C HEX	L	M	FLOW DIA. D	BULKHEAD HOLE DIA.
62NBH-3*	3/16	5/16-24	7/16	7/16	1.80	1.21	.087	5/16
62NBH-4	1/4	7/16-24	9/16	9/16	2.04	1.38	.137	7/16
62NBH-6	3/8	17/32-24	11/16	3/4	2.54	1.62	.217	17/32
62NBH-8	1/2	11/16-20	13/16	1	2.92	1.88	.338	11/16
62NBH-10	5/8	13/16-18	15/16	1	2.99	2.01	.398	13/16

\*Meets D.O.T. FMVSS 571.106 specification. No applicable SAE specification for this tube size.

### Bulkhead Union 62NFBH

PART NO.	TUBE SIZE	FLARE SIZE	STGHT THD	B HEX	C HEX	L	M	FLOW DIA. D	BKHD HOLE DIA.
62NFBH-4	1/4	1/4	7/16-24	9/16	9/16	2.04	1.38	.137	7/16
62NFBH-6	3/8	3/8	17/32-24	11/16	3/4	2.54	1.62	.217	5/8
62NFBH-8	1/2	1/2	11/16-20	13/16	1	2.92	1.88	.338	3/4
62NFBH-10	5/8	5/8	13/16-18	15/16	1	3.04	2.02	.398	7/8
62NFBH-10-8	5/8	1/2	13/16-18	7/8	7/8	2.90	2.40	.400	3/4

### Bulkhead Union 66NBH

PART NO.	TB SZ	PIPE THD	A STGHT THD	E STGHT THD	B HEX	C HEX	L	M	FLOW DIA. D	BKHD HOLE DIA.
66NBH-8-6	1/2	3/8	11/16-20	7/8-14	1-1/16	1-1/16	1.94	1.42	.338	7/8

