

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

## Field attachable

247 'N' series

### 247 'N' series

**Ordering information:** Order individually by catalog number.

**!** Refer to important safety information on pages A-2.

**Application:** Medium pressure and high temperature hose lines for a variety of applications including truck, industrial, and small engine where temperature may be a problem.

**Compatible hose:** H059, H069, H166, H169, H229, H366, H569

**Pressure:** Determined by maximum working pressure for hose size and hose end configuration whichever is lesser. See pages A-24-25 for working pressure ratings for hose end configurations.

**Material:** AISI/SAE 12L14 carbon steel

**Plating:** Zinc; clear trivalent chromate

**Advantages:** Very popular in heavy-duty truck markets. Good selection of fittings. Compatible with a wide variety of hose types allowing for a diverse number of applications. Non-mandrel assembly.

**Assembly instructions:**

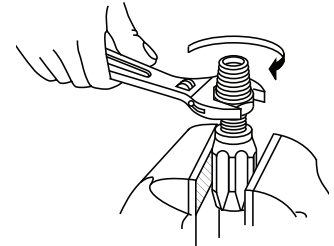
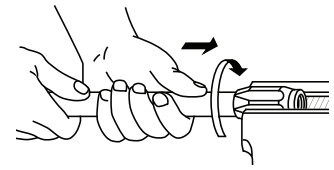
1. Lubricate\* insert threads and I.D. of hose.
2. Screw hose into socket (left-hand thread) until hose bottoms. Back out 1/4 turn.
3. Screw insert into socket until insert touches socket.

\* Eaton Assembly Lubricant  
222070-8 - 1 gallon plastic jug  
222070 - 1 pint plastic squeeze bottle

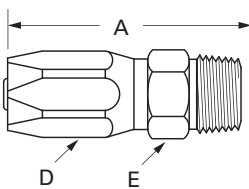
**Label set:** FS-600

**Note:**

Refer to current price list for availability of cataloged items. Configurations and dimensions subject to change without notice.

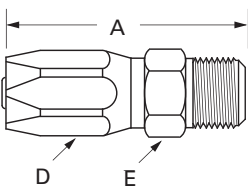


**Male pipe rigid**



Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
3/16	1/8	24704N-102	1/8-27	1.71	1.00	.12	5/8	7/16
3/16	1/4	24704N-104	1/4-18	1.87	1.12	.12	5/8	9/16
1/4	1/4	24705N-104	1/4-18	1.96	1.25	.18	11/16	9/16
5/16	1/4	24706N-104	1/4-18	2.08	1.25	.25	13/16	9/16
5/16	3/8	24706N-106	3/8-18	2.11	1.25	.25	13/16	11/16
13/32	3/8	24708N-106	3/8-18	2.48	1.33	.36	15/16	11/16
13/32	1/2	24708N-108	1/2-14	2.73	1.58	.36	15/16	7/8
1/2	1/2	24710N-108	1/2-14	2.88	1.63	.45	1-1/8	7/8
1/2	3/4	24710N-112	3/4-14	2.94	1.69	.45	1-1/8	1-1/8
5/8	3/4	24712N-112	3/4-14	3.24	1.67	.55	1-1/4	1-1/4

**JIC 37° male rigid**



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
3/16	1/4	24704N-504	7/16-20	1.85	1.10	.12	5/8	1/2
1/4	5/16	24705N-505	1/2-20	2.01	1.19	.18	11/16	9/16
5/16	3/8	24706N-506	9/16-18	2.13	1.25	.25	13/16	5/8
13/32	1/2	24708N-508	3/4-16	2.64	1.56	.36	15/16	13/16
1/2	5/8	24710N-510	7/8-14	2.92	1.69	.45	1-1/8	15/16
5/8	3/4	24712N-512	1-1/16-12	3.32	1.81	.55	1-1/4	1-1/8
7/8	1	24716N-516	1-5/16-12	2.97	1.81	.81	1-7/16	1-3/8

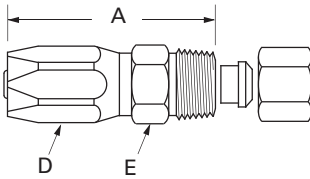
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247 'N' series

### Flareless tube rigid ermeto 7000 series

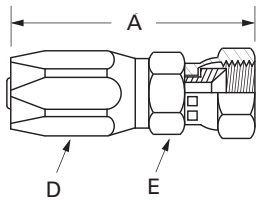
(With nut and sleeve)



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
5/16	1/4	24706N-754	7/16-20	2.02	1.13	.20	13/16	5/8
5/16	5/16	24706N-755	1/2-20	1.96	1.13	.23	13/16	5/8
5/16	3/8	24706N-756	9/16-18	1.98	1.13	.28	13/16	11/16
5/16	1/2	24706N-758	3/4-16	2.12	1.25	.28	13/16	13/16

### JIC 37° female swivel

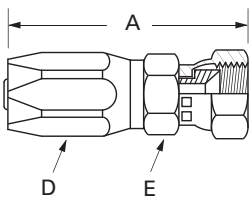
(Exceptions noted)



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
3/16	1/4	24704N-604 <sup>a</sup>	7/16-20	2.01	1.31	.13	5/8	9/16
1/4	5/16	24705N-605 <sup>a</sup>	1/2-20	2.19	1.50	.18	11/16	5/8
5/16	1/4	24706N-604 <sup>a</sup>	7/16-20	2.19	1.31	.17	13/16	9/16
5/16	5/16	24706N-605 <sup>a</sup>	1/2-20	2.38	1.50	.25	13/16	5/8
5/16	3/8	24706N-606	9/16-18	2.35	1.50	.25	13/16	11/16
5/16	1/2	24706N-608 <sup>a</sup>	3/4-16	2.45	1.56	.39	13/16	7/8
13/32	1/2	24708N-608 <sup>a</sup>	3/4-16	2.82	1.75	.36	15/16	7/8
1/2	1/2	24710N-608 <sup>a</sup>	3/4-16	3.04	1.75	.39	1-1/8	7/8
1/2	5/8	24710N-610 <sup>a</sup>	7/8-14	3.04	1.75	.45	1-1/8	1
5/8	3/4	24712N-612	1-1/16-12	3.46	1.94	.55	1-1/4	1-1/4
7/8	1	24716N-616	1-5/16-12	3.21	2.00	.81	1-7/16	1-1/2

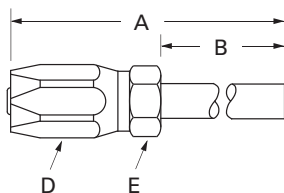
<sup>a</sup> Swivel nuts are universal – both SAE 37° and 45° connections.

### SAE 45° flare female swivel



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
5/16	3/8	24706N-406	5/8-18	2.36	1.46	.25	13/16	3/4
13/32	3/8	24708N-406	5/8-18	2.65	1.56	.28	15/16	3/4
5/8	3/4	24712N-412	1-1/16-14	3.49	1.92	.55	1-1/4	1-1/4

### Straight tube – extended



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
3/16	1/4	24704N-T54	5.22	3.75	4.50	.12	5/8	1/2
1/4	5/16	24705N-T55	6.33	4.80	5.56	.18	11/16	1/2
5/16	3/8	24706N-T56	7.42	5.80	6.50	.25	13/16	1/2
13/32	1/2	24708N-T58	8.78	6.69	7.63	.36	15/16	3/4