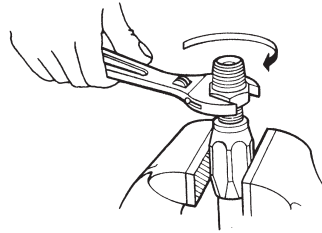
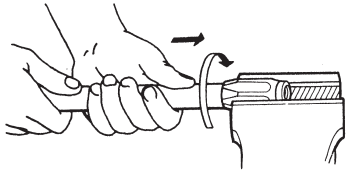
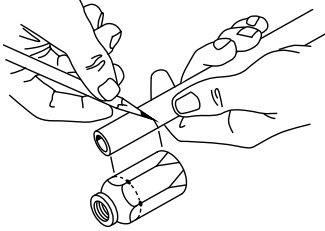


## Field Attachable 104 'N' Series

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

### Hose End 104 'N' Series



#### Insertion Depth

Hose I.D.	Screw Hose Into Socket
1/4	1"
3/8	1-5/32"
1/2	1-3/16"
3/4	1-5/16"
1	1-9/16"

**Typical Application:** Medium pressure hydraulic applications such as construction, farm implement and industrial equipment.

**Compatible Hose:** H104

**Pressure:** Determined by maximum working pressure for hose size and hose end configuration whichever is lesser. See page 14 for working pressure ratings for hose end configurations.

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

**Plating:** Zinc; yellow dichromate finish

**Advantages:** Good selection of hose ends. Non-mandrel assembly. Wide variety of applications because of its use with H104 hose.

**Ordering Information:** Order individually by catalog number. Order o-rings by catalog number; reference individual hose listing for details. For split flange kits, refer to pages 317-320.

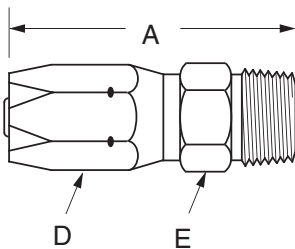
#### Assembly Instructions:

Due to the high torque required to assemble larger sizes, it is recommended that 104 'N' Series hose ends be assembled with the T-300 assembly machine (page 384).

1. Lubricate insert threads and I.D. of hose.
2. Measure from end of hose and mark the socket depth. Use notch on socket or see insertion depth chart below.
3. Screw hose into socket (left-hand thread) to the depth marked on hose.
4. Screw insert into socket until insert touches socket.

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

### Male Pipe Rigid

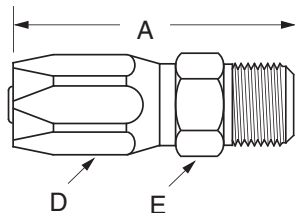


HOSE I.D.	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX E
1/4	1/8	10404N-102	1/8-27	2.18	1.19	.17	3/4	7/16
1/4	1/4	10404N-104	1/4-18	2.36	1.38	.17	3/4	9/16
3/8	1/4	10406N-104	1/4-18	2.50	1.31	.27	7/8	9/16
3/8	3/8	10406N-106	3/8-18	2.53	1.38	.27	7/8	11/16
1/2	3/8	10408N-106	3/8-18	2.58	1.38	.39	1	11/16
1/2	1/2	10408N-108	1/2-14	2.83	1.63	.39	1	7/8
1/2	3/4	10408N-112	3/4-14	2.86	1.69	.39	1	1-1/16
3/4	3/4	10412N-112	3/4-14	2.98	1.69	.61	1-3/8	1-1/16
1	1	10416N-116	1-11-1/2	3.59	2.00	.81	1-3/4	1-3/8

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

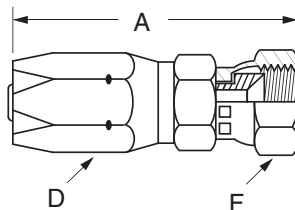
<sup>a</sup> Swivel nuts are universal – both SAE 45° and 37° connections.

#### JIC 37° Male Rigid



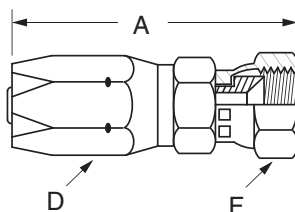
HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX E
1/4	1/4	10404N-504	7/16-20	2.35	1.38	.17	3/4	9/16
1/4	5/16	10404N-505	1/2-20	2.35	1.38	.17	3/4	9/16
1/4	3/8	10404N-506	9/16-18	2.39	1.38	.17	3/4	5/8
3/8	3/8	10406N-506	9/16-18	2.53	1.38	.27	7/8	5/8
3/8	1/2	10406N-508	3/4-16	2.69	1.50	.27	7/8	13/16
1/2	1/2	10408N-508	3/4-16	2.74	1.56	.39	1	13/16
1/2	5/8	10408N-510	7/8-14	2.87	1.69	.39	1	15/16
3/4	3/4	10412N-512	1-1/16-12	3.09	1.75	.61	1-3/8	1-1/8
1	1	10416N-516	1-5/16-12	3.56	2.00	.81	1-3/4	1-3/8

#### JIC 37° Female Swivel (Exceptions Noted for 45° Flare, Refer to Footnotes)



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX F
1/4	1/4	10404N-604 <sup>a</sup>	7/16-20	2.49	1.50	.17	3/4	9/16
1/4	5/16	10404N-605 <sup>a</sup>	1/2-20	2.59	1.56	.17	3/4	5/8
1/4	3/8	10404N-606	9/16-18	2.65	1.63	.17	3/4	11/16
3/8	3/8	10406N-606	9/16-18	2.79	1.63	.27	7/8	11/16
3/8	1/2	10406N-608 <sup>a</sup>	3/4-16	2.96	1.81	.27	7/8	7/8
1/2	1/2	10408N-608 <sup>a</sup>	3/4-16	3.01	1.81	.39	1	7/8
1/2	5/8	10408N-610 <sup>a</sup>	7/8-14	3.02	1.88	.39	1	1
3/4	5/8	10412N-610 <sup>a</sup>	7/8-14	3.14	1.88	.46	1-3/8	1
3/4	3/4	10412N-612	1-1/16-12	3.26	2.00	.61	1-3/8	1-1/4
3/4	7/8	10412N-614	1-3/16-12	3.39	2.06	.61	1-3/8	1-3/8
1	1	10416N-616	1-5/16-12	4.19	2.63	.81	1-3/4	1-1/2

#### SAE 45° Female Swivel



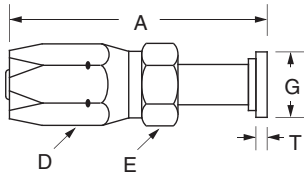
HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX F
3/8	3/8	10406N-406	5/8-18	2.67	1.50	.27	7/8	3/4
3/4	3/4	10412N-412	1-1/16-14	3.27	2.00	.61	1-3/8	1-1/4

## Field Attachable 104 'N' Series

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

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

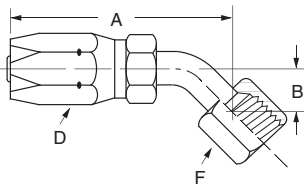
### Split Flange Straight (SAE Code 61)



HOSE I.D.	NOM. FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX E	FLANGE DIA.	T
3/4	3/4	10412N-G12	12x252	3.79	2.44	.58	1-3/8	15/16	1.500 (38mm)	.265
1	1	10416N-G16	16x252	4.21	2.63	.76	1-3/4	1-1/4	1.750 (44mm)	.315

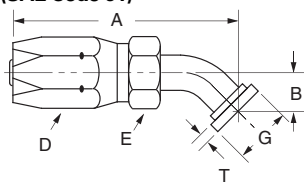
(For Split Flange Kits, see page 317-320.)

### JIC 37° Female Swivel 45° Tube Elbow (Refer to Footnotes)



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX F
1/4	1/4	10404N-684 <sup>a</sup>	7/16-20	2.90	.33	1.88	.15	3/4	9/16
3/8	3/8	10406N-686	9/16-18	3.22	.39	2.00	.24	7/8	11/16
1/2	1/2	10408N-688 <sup>a</sup>	3/4-16	3.61	.55	2.44	.33	1	7/8
1/2	5/8	10408N-690 <sup>a</sup>	7/8-14	3.67	.63	2.50	.39	1	1
3/4	3/4	10412N-692	1-1/16-12	4.20	.78	2.81	.58	1-3/8	1-1/4
1	1	10416N-696	1-5/16-12	5.42	1.10	3.88	.81	1-3/4	1-1/2

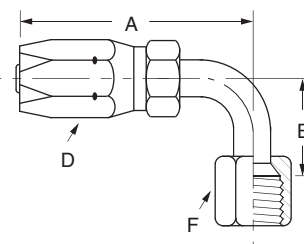
### Split Flange 45° Tube Elbow (SAE Code 61)



HOSE I.D.	NOM. FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX E	FLANGE DIA.	T
3/4	3/4	10412N-G42	12x252	4.43	.99	3.13	.58	1-3/8	15/16	1.500 (38mm)	.265
1	1	10416N-G46	16x252	4.99	1.06	3.44	.76	1-3/4	1-1/4	1.750 (44mm)	.315

(For Split Flange Kits, see page 317-320.)

### JIC 37° Female Swivel 90° Tube Elbow (Refer to Footnotes)



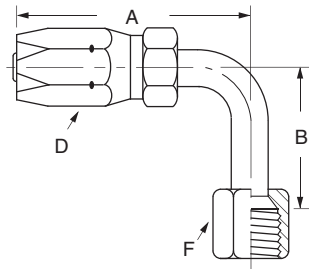
HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX F
1/4	1/4	10404N-664 <sup>a</sup>	7/16-20	2.80	.68	1.81	.15	3/4	9/16
3/8	3/8	10406N-666	9/16-18	3.15	.85	2.00	.24	7/8	11/16
1/2	1/2	10408N-668 <sup>a</sup>	3/4-16	3.44	1.09	2.25	.33	1	7/8
1/2	5/8	10408N-670 <sup>a</sup>	7/8-14	3.75	1.23	2.56	.39	1	1
3/4	3/4	10412N-672	1-1/16-12	4.07	1.82	2.75	.58	1-3/8	1-1/4
1	1	10416N-676	1-5/16-12	5.27	2.14	3.75	.81	1-3/4	1-1/2

## Field Attachable 104 'N' Series

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

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

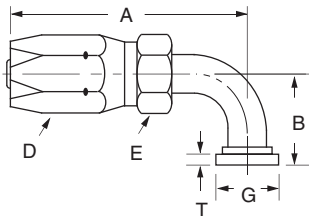
### JIC 37° Female Swivel Long Drop 90° Tube Elbow (Refer to Footnotes)



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX F
1/4	1/4	10404N-644 <sup>a</sup>	7/16-20	2.83	1.80	1.81	.15	3/4	9/16
3/8	3/8	10406N-646	9/16-18	3.20	2.18	2.00	.24	7/8	11/16
1/2	1/2	10408N-648 <sup>a</sup>	3/4-16	3.44	2.43	2.25	.33	1	7/8
3/4	3/4	10412N-652	1-1/16-12	4.10	3.73	2.75	.58	1-3/8	1-1/4

### Split Flange 90° Tube Elbow (SAE Code 61)

(SAE Code 61)



HOSE I.D.	NOM. FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX E	FLANGE DIA.	T
3/4	3/4	10412N-G72	12x252	4.08	2.13	2.75	.58	1-3/8	15/16	1.500 (38mm)	.265
3/4	1	10412N-G76	16x252	4.08	2.13	2.75	.83	1-3/8	15/16	1.750 (44mm)	.315
1	1	10416N-G76	16x252	4.81	2.38	3.25	.83	1-3/4	1-1/4	1.750 (44mm)	.315

(For Split Flange Kits, see page 317-320.)