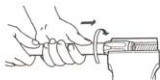


Field Attachable 425 'N' Series

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

Hose End 425 '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"
1-1/4	1-7/8"
1-1/2	2"
2	1-15/16"



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

Compatible Hose: H425

Pressure: Determined by maximum working pressure for hose size. 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 H425 hose.

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

Assembly Instructions:

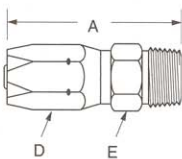
Due to the high torque required to assemble larger sizes, it is recommended that 425 'N' Series hose ends be assembled with the T-300 assembly machine (page 384).

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.

Label Set: FS-1200

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

Male Pipe Rigid



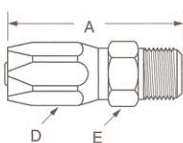
HOSE I.D.	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	HOSE CUT-OFF FACTOR†		HOLE DIA.	HEX D	HEX E
				A				
1/4	1/8	42504N-102	1/8-27	2.18	1.19	.17	13/16	7/16
1/4	1/4	42504N-104	1/4-18	2.36	1.38	.17	13/16	9/16
3/8	1/4	42506N-104	1/4-18	2.50	1.31	.27	15/16	9/16
3/8	3/8	42506N-106	3/8-18	2.53	1.38	.27	15/16	11/16
1/2	3/8	42508N-106	3/8-18	2.58	1.38	.39	1-1/16	11/16
1/2	1/2	42508N-108	1/2-14	2.83	1.63	.39	1-1/16	7/8
1/2	3/4	42508N-112	3/4-14	2.86	1.69	.39	1-1/16	1-1/16
3/4	3/4	42512N-112	3/4-14	2.98	1.69	.61	1-3/8	1-1/16
1	1	42516N-116	1-11-1/2	3.59	2.00	.81	1-3/4	1-3/8
1-1/4	1-1/4	42520N-120	1-1/4-11-1/2	4.37	2.44	1.05	2-1/4	1-11/16
1-1/2	1-1/2	42524N-124	1-1/2-11-1/2	4.71	2.69	1.28	2-1/2	2
2	2	42532N-132	2-11-1/2	4.86	2.88	1.83	3	2-1/2

COLL-CRIMP

Field Attachable 425 'N' Series

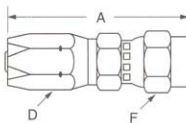
†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

JIC 37° Male Rigid



HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX E
1/4	1/4	42504N-504	7/16-20	2.35	1.38	.17	13/16	9/16
1/4	5/16	42504N-505	1/2-20	2.35	1.38	.17	13/16	9/16
1/4	3/8	42504N-506	9/16-18	2.39	1.38	.17	13/16	5/8
3/8	3/8	42506N-506	9/16-18	2.53	1.38	.27	15/16	5/8
3/8	1/2	42506N-508	3/4-16	2.69	1.50	.27	15/16	13/16
1/2	1/2	42508N-508	3/4-16	2.74	1.56	.39	1-1/16	13/16
1/2	5/8	42508N-510	7/8-14	2.87	1.69	.39	1-1/16	15/16
3/4	3/4	42512N-512	1-1/16-12	3.09	1.75	.61	1-3/8	1-1/8
1	1	42516N-516	1-5/16-12	3.56	1.94	.81	1-3/4	1-3/8

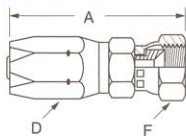
Female Pipe Swivel



HOSE ID	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX F
1/2	1/2	42508N-258	1/2-14	3.89	2.75	.39	1-1/16	1-1/8
3/4	3/4	42512N-262	3/4-14	4.09	2.81	.61	1-3/8	1-3/8

Note: Swivel for installation purposes only.
(Not for temperatures above 200°F.)

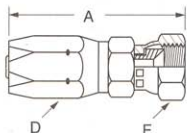
JIC 37° Female Swivel (Exceptions Noted, Refer to Footnotes)



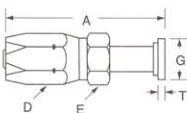
HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX F
1/4	1/4	42504N-604 ^a	7/16-20	2.49	1.50	.17	13/16	9/16
1/4	5/16	42504N-605 ^a	1/2-20	2.59	1.56	.17	13/16	5/8
1/4	3/8	42504N-606	9/16-18	2.65	1.63	.17	13/16	11/16
3/8	3/8	42506N-606	9/16-18	2.79	1.63	.27	15/16	11/16
3/8	1/2	42506N-608 ^a	3/4-16	2.96	1.81	.27	15/16	7/8
1/2	1/2	42508N-608 ^a	3/4-16	3.01	1.81	.39	1-1/16	7/8
1/2	5/8	42508N-610 ^a	7/8-14	3.02	1.88	.39	1-1/16	1
3/4	5/8	42512N-610 ^a	7/8-14	3.14	1.88	.48	1-3/8	1
3/4	3/4	42512N-612	1-1/16-12	3.26	2.00	.61	1-3/8	1-1/4
3/4	7/8	42512N-614	1-3/16-12	3.38	2.06	.61	1-3/8	1-3/8
1	1	42516N-616	1-5/16-12	4.19	2.63	.81	1-3/4	1-1/2
1-1/4	1-1/4	42520N-620	1-5/8-12	4.76	2.75	1.08	2-1/4	2
1-1/2	1-1/2	42524N-624	1-7/8-12	5.04	3.00	1.28	2-1/2	2-1/4
2	2	42532N-632	2-1/2-12	5.80	3.88	1.73	3	3

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

^a Swivel nuts are universal – both SAE 45° and 37° connections.

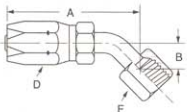
SAE 45° Female Swivel


HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX F
3/8	3/8	42506N-406	5/8-18	2.67	1.50	.27	15/16	3/4
3/4	3/4	42512N-412	1-1/16-14	3.27	2.00	.61	1-3/8	1-1/4

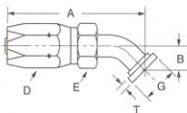
**Split Flange Straight
(SAE Code 61)**


HOSE I.D.	NOM. FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX E	G	T
3/4	3/4	42512N-G12	12x252	3.81	2.50	.58	1-3/8	1-15/16	1.50 (38mm)	.26†
1	1	42516N-G16	16x252	4.02	2.50	.76	1-3/4	1-1/4	1.75 (44mm)	.31†
1-1/4	1-1/4	42520N-G20	20x252	5.32	3.50	1.01	2-1/4	1-5/8	2.00 (51mm)	.31†

(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	42504N-684 ^a	7/16-20	2.86	.33	1.81	.15	13/16	9/16
3/8	3/8	42506N-686	9/16-18	3.15	.39	2.00	.25	15/16	11/16
1/2	1/2	42508N-688 ^a	3/4-16	3.46	.56	2.25	.36	1-1/16	7/8
1/2	5/8	42508N-690 ^a	7/8-14	3.92	.64	2.50	.36	1-1/16	1
3/4	3/4	42512N-692	1-1/16-12	4.17	.73	2.88	.55	1-3/8	1-1/4
1	1	42516N-696	1-5/16-12	5.42	1.10	3.75	.76	1-3/4	1-1/2

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


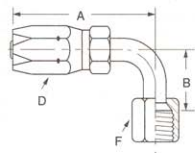
HOSE I.D.	NOM. FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX D	HEX E	G	T
3/4	3/4	42512N-G42	12x252	4.47	1.00	3.13	.58	1-3/8	15/16	1.50 (38mm)	.26†
1	1	42516N-G46	16x252	5.15	1.06	3.56	.76	1-3/4	1-1/4	1.75 (44mm)	.31†
1-1/4	1-1/4	42520N-G50	20x252	5.32	1.15	3.44	1.01	2-1/4	1-5/8	2.00 (51mm)	.31†

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

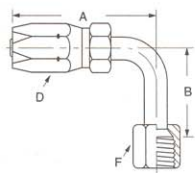
**Field Attachable
425 'N' Series**

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

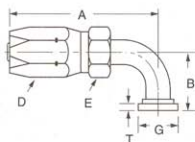
^a Swivel nuts are universal – both SAE 45° and 37° connections.

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


HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	HOSE CUT-OFF FACTOR†			HOLE DIA.	HEX D	HEX F
				A	B				
1/4	1/4	42504N-664 ^a	7/16-20	2.71	.68	1.69	.15	13/16	9/16
3/8	3/8	42506N-666	9/16-18	3.12	.85	1.94	.24	15/16	11/16
1/2	1/2	42508N-668 ^a	3/4-16	3.33	1.09	2.13	.33	1-1/16	7/8
1/2	5/8	42508N-670 ^a	7/8-14	3.57	1.23	2.38	.39	1-1/16	1
3/4	3/4	42512N-672	1-1/16-12	4.26	1.85	2.94	.58	1-3/8	1-1/4
1	1	42516N-676	1-5/16-12	5.14	2.14	3.56	.81	1-3/4	1-1/2

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


HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	HOSE CUT-OFF FACTOR†			HOLE DIA.	HEX D	HEX F
				A	B				
1/4	1/4	42504N-644 ^a	7/16-20	2.76	1.80	1.75	.15	13/16	9/16
3/8	3/8	42506N-646	9/16-18	3.17	2.18	2.00	.24	15/16	11/16
1/2	1/2	42508N-648 ^a	3/4-16	3.40	2.45	2.19	.33	1-1/16	7/8
3/4	3/4	42512N-652	1-1/16-12	4.08	3.75	2.75	.58	1-3/8	1-1/4

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


HOSE I.D.	NOM. FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	HOSE CUT-OFF FACTOR†			HOLE DIA.	HEX D	HEX E	G	T
				A	B						
3/4	3/4 (38mm)	42512N-G72	12x252	3.95	2.13	2.75	.58	1-3/8	15/16	1.50 (38mm)	.265
3/4	1 (44mm)	42512N-G76	16x252	4.06	2.13	2.75	.58	1-3/8	15/16	1.75 (44mm)	.315
1	1 (44mm)	42516N-G76	16x252	4.81	2.38	3.25	.88	1-3/4	1-1/4	1.75 (44mm)	.315
1-1/4	1-1/4 (51mm)	42520N-G80	20x252	5.47	2.62	3.56	1.03	2-1/4	1-5/8	2.00 (51mm)	.315
1-1/4	1-1/2 (60mm)	42520N-G84	24x252	5.49	2.75	3.63	1.05	2-1/4	1-7/8	2.37 (60mm)	.315

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