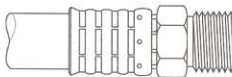


†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Hose End 'E' Series

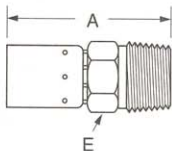


Refer to pages 31-66 or the Weatherhead Hose End and Tool Selector Chart for Qualified Sizes.

WARNING: For PTFE hose applications, 'E' Series fittings must be used with H243 and H277 .030" thin wall hose only.

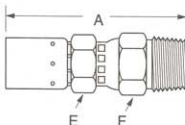
Refer to important safety information on page 3.

Male Pipe Rigid



HOSE I.D.	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
3/16	1/8	03E-102	1/8-27	1.58	.75	.09	7/16
3/16	1/4	03E-104	1/4-18	1.83	1.00	.09	9/16
1/4	1/8	04E-102	1/8-27	1.60	.75	.16	7/16
1/4	1/4	04E-104	1/4-18	1.79	1.00	.16	9/16
1/4	3/8	04E-106	3/8-18	1.82	1.00	.16	11/16
5/16	1/4	05E-104	1/4-18	1.86	.94	.22	9/16
5/16	3/8	05E-106	3/8-18	1.89	1.00	.22	11/16
3/8	1/4	06E-104	1/4-18	1.90	1.00	.27	9/16
3/8	3/8	06E-106	3/8-18	1.93	1.00	.27	11/16
3/8	1/2	06E-108	1/2-14	2.17	1.25	.27	7/8
1/2	3/8	08E-106	3/8-18	2.02	1.00	.38	3/4
1/2	1/2	08E-108	1/2-14	2.27	1.25	.38	7/8
3/4	3/4	12E-112	3/4-14	2.51	1.31	.61	1-1/16
1	1	16E-116	1-11-1/2	2.95	1.63	.84	1-3/8

Male Pipe Swivel



HOSE I.D.	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04E-J04	1/4-18	2.68	1.81	.16	5/8	13/16
5/16	1/4	05E-J04	1/4-18	2.75	1.81	.22	5/8	13/16
3/8	3/8	06E-J06	3/8-18	2.79	1.81	.27	11/16	7/8
1/2	1/2	08E-J08	1/2-14	3.03	2.00	.39	3/4	7/8
3/4	3/4	12E-J12	3/4-14	3.73	2.50	.61	1-1/4	1-1/4

Note: Swivel for installation purposes only. (Not for temperatures above 212°F)

Typical Application: General purpose low- and medium-pressure hydraulics. Use H277 or H435 where shock hazards exist.

Compatible Hose: H009; H209; H243; H265; H275; H277; H285; H435; H436

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: Low Carbon Steel

Plating: Zinc; yellow dichromate finish

Advantages: Wide selection of hose and end configurations allowing for a diverse number of applications where hose compatibility is a problem.

Assemble With: T-400-1, T-410-1, T-420-1, T-440-1, T-460, T-462, T-465-1, T480.

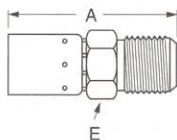
Ordering Information: Order individually by catalog number.

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

Label Set: FS-1200

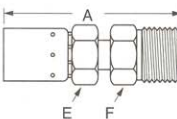
†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

JIC 37° Male Rigid



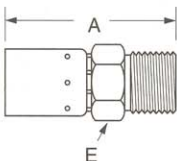
HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	1/4	04E-504	7/16-20	1.78	.94	.16	1/2
1/4	5/16	04E-505	1/2-20	1.78	.94	.19	9/16
1/4	3/8	04E-506	9/16-18	1.82	1.00	.22	5/8
5/16	5/16	05E-505	1/2-20	1.86	.94	.22	9/16
3/8	3/8	06E-506	9/16-18	1.92	1.00	.27	5/8
3/8	1/2	06E-508	3/4-16	2.08	1.19	.27	13/16
1/2	1/2	08E-508	3/4-16	2.18	1.19	.27	13/16
1/2	5/8	08E-510	7/8-14	2.31	1.25	.42	15/16
3/4	3/4	12E-512	1-1/16-12	2.63	1.44	.61	1-1/8
1	1	16E-516	1-5/16-12	2.83	1.50	.84	1-3/8

Inverted Male Swivel Straight



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	3/16	04E-B03	3/8-24	3.06	2.19	.12	7/16	3/8
1/4	1/4	04E-B04	7/16-24	2.44	1.63	.15	7/16	7/16
1/4	5/16	04E-B05	1/2-20	3.71	2.88	.16	7/16	1/2
5/16	5/16	05E-B05	1/2-20	2.57	1.61	.21	9/16	1/2
3/8	5/16	06E-B05	1/2-20	2.56	1.63	.21	9/16	1/2
3/8	3/8	06E-B06	5/8-18	2.81	1.81	.24	5/8	5/8
1/2	1/2	08E-B08	3/4-18	3.14	2.06	.33	3/4	3/4

Air Brake Connection - Tube (For Use With H243 PTFE Hose Only)

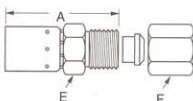


HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HOSE TO COPPERTUBING		
								TUBE SIZE	CATALOG NUMBER SLEEVE	CATALOG NUMBER NUT
1/2	1/2	08E-Y58	11/16-20	2.12	1.06	.38	3/4	3/8	1360x6	1361x6
1/2	5/8	08E-Y60	13/16-18	2.18	1.13	.38	7/8	1/2	1360x8	1361x8
3/4	5/8	12E-Y60	13/16-18	2.31	1.13	.53	1	5/8	1360x10	1361x10
3/4	3/4	12E-Y62	1-18	2.38	1.19	.61	1	3/4	1360x12	1361x12

†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 37° and 45° connections.

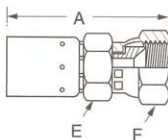
Flareless Tube Rigid
(With Eremto[®] Nut and Sleeve)



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
5/16	3/8	05E-756	9/16-18	1.88	1.00	.22	5/8	11/16
3/8	5/16	06E-755	1/2-20	1.78	.88	.23	9/16	5/8
3/8	3/8	06E-756	9/16-18	1.82	.88	.27	5/8	11/16
1/2	1/2	08E-758	3/4-16	2.08	1.06	.38	13/16	7/8

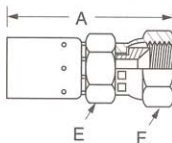
(For replacement Nuts and Sleeves, see page 299).

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



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
3/16	1/4	03E-604 ^a	7/16-20	1.89	1.00	.09	7/16	9/16
1/4	1/4	04E-604 ^a	7/16-20	1.92	1.13	.16	7/16	9/16
1/4	5/16	04E-605 ^a	1/2-20	2.00	1.19	.16	1/2	5/8
1/4	3/8	04E-606	9/16-18	2.06	1.25	.16	9/16	11/16
5/16	5/16	05E-605 ^a	1/2-20	2.07	1.19	.22	1/2	5/8
5/16	3/8	05E-606	9/16-18	2.12	1.19	.22	9/16	11/16
3/8	3/8	06E-606	9/16-18	2.19	1.25	.27	9/16	11/16
3/8	1/2	06E-608 ^a	3/4-16	2.30	1.38	.27	3/4	7/8
1/2	1/2	08E-608 ^a	3/4-16	2.39	1.38	.38	3/4	7/8
1/2	5/8	08E-610 ^a	7/8-14	2.51	1.50	.38	7/8	1
3/4	3/4	12E-612	1-1/16-12	2.76	1.56	.61	1	1-1/4
1	1	16E-616	1-5/16-12	3.05	1.75	.84	1-1/4	1-1/2

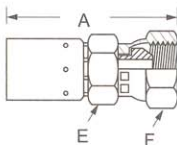
SAE 45° Female Swivel



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
5/16	3/8	05E-406	5/8-18	2.03	1.13	.22	9/16	3/4
3/8	3/8	06E-406	5/8-18	2.06	1.13	.27	9/16	3/4
3/4	3/4	12E-412	1-1/16-14	2.76	1.56	.61	1	1-1/4

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

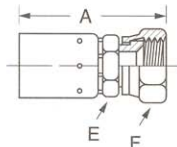
British Standard (BSPP)
 60° Cone Female Pipe Swivel



HOSE I.D.	BSPP PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
3/16	1/4	03E-354	G-1/4-19*	2.01	1.19	.16	9/16	11/16
1/4	1/4	04E-354	G-1/4-19*	2.07	1.25	.16	9/16	3/4
3/8	3/8	06E-356	G-3/8-19*	2.09	1.13	.27	3/4	7/8
3/8	1/2	06E-358	G-1/2-14*	2.47	1.50	.27	13/16	1
1/2	1/2	08E-358	G-1/2-14*	2.56	1.50	.39	13/16	1
1/2	5/8	08E-360	G-5/8-14*	2.70	1.63	.39	7/8	1-3/16
3/4	3/4	12E-362	G-3/4-14*	2.94	1.69	.61	1	1-1/4
1	1	16E-366	G-1-11*	3.38	2.00	.84	1-1/4	1-1/2

*G As Part of Thread Size is ISO Designation for Parallel Thread.

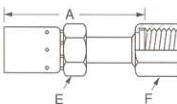
Female Swivel JIS 30°
 Flare Parallel Pipe Swivel



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04E-04L	G-1/4-19*	2.03	1.19	.16	9/16	3/4
3/8	3/8	06E-06L	G-3/8-19*	2.22	1.25	.27	11/16	7/8
1/2	1/2	08E-08L	G-1/2-14*	2.30	1.25	.39	13/16	1-1/16
3/4	3/4	12E-12L	G-3/4-14*	2.75	1.50	.81	1	1-5/16
1	1	16E-16L	G-1-11*	3.15	1.81	.84	1-1/4	1-1/2

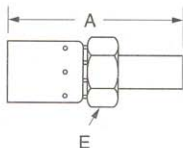
*G As Part of Thread Size is ISO Designation for Parallel Thread.

Female FOR-SEAL®
 Swivel Straight



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04E-S64	9/16-18	2.14	1.31	.15	5/8	11/16
1/4	3/8	04E-S66	11/16-16	2.20	1.38	.16	5/8	13/16
5/16	3/8	05E-S66	11/16-16	2.28	1.38	.22	9/16	13/16
3/8	3/8	06E-S66	11/16-16	2.37	1.44	.24	9/16	13/16
3/8	1/2	06E-S68	13/16-16	2.65	1.69	.24	5/8	15/16
1/2	1/2	08E-S68	13/16-16	2.74	1.69	.33	3/4	15/16
1/2	5/8	08E-S70	1-14	2.83	1.81	.39	3/4	1-1/8
3/4	3/4	12E-S72	1-3/16-12	3.10	1.88	.59	1	1-3/8
1	1	16E-S76	1-7/16-12	3.76	2.44	.78	1-1/4	1-5/8

Straight Tube – Brass
 (For Use With H243 PTFE
 Hose Only)



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/2	1/2	08E-T58	3.32	2.31	.39	3/4
1/2	5/8	08E-T60	3.45	2.44	.47	3/4
3/4	5/8	12E-T60	3.66	2.44	.47	1
3/4	3/4	12E-T62	4.00	2.81	.61	1

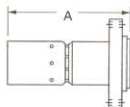
Insert - Brass
 Collar - Steel

†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 37° and 45° connections.

**Compatible Air Brake
 Nuts & Sleeves**
 (order Separately)

TUBE SIZE	CATALOG NUMBER SLEEVE	CATALOG NUMBER NUT
1/2	1360x8	1361x8
5/8	1360x10	1361x10
3/4	1360x12	1361x12

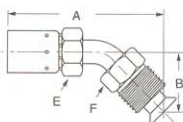
**Compressor Discharge
 Flange End – GM Bus Only**
 (For Use With H243 PTFE Hose
 Only)



HOSE I.D.	CATALOG NUMBER	A	HOSE CUT-OFF FACTOR†	HOLE DIA.
3/4	12E-X92	2.64	1.38	.61

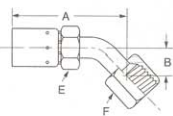
Note: Part will not crimp in T420 press.

**Inverted Male Swivel
 45° Tube Elbow**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	3/16	04E-B43	3/8-24	2.82	.69	2.00	.12	7/16	3/8
1/4	1/4	04E-B44	7/16-24	2.94	.93	2.13	.15	7/16	7/16
1/4	5/16	04E-B45	1/2-20	3.32	1.14	2.50	.21	7/16	1/2
3/8	5/16	06E-B45	1/2-20	3.37	1.14	2.44	.21	9/16	1/2
3/8	3/8	06E-B46	5/8-18	3.63	1.34	2.69	.24	5/8	5/8
1/2	1/2	08E-B48	3/4-18	4.32	1.58	3.25	.33	3/4	3/4
1/2	5/8	08E-B50	7/8-18	4.45	1.75	3.44	.39	3/4	7/8

**JIC 37° Female
 Swivel 45° Tube Elbow**
 (Exceptions Noted, Refer to
 Footnotes)

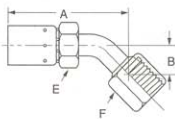


HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04E-684 ^a	7/16-20	2.37	.33	1.56	.15	7/16	9/16
1/4	5/16	04E-685 ^a	1/2-20	2.50	.36	1.63	.16	7/16	5/8
5/16	3/8	05E-686	9/16-18	2.65	.39	1.69	.22	9/16	11/16
3/8	3/8	06E-686	9/16-18	2.74	.39	1.75	.24	5/8	11/16
3/8	1/2	06E-688 ^a	3/4-16	2.99	.56	2.00	.27	5/8	7/8
1/2	1/2	08E-688 ^a	3/4-16	2.88	.56	1.78	.33	3/4	7/8
1/2	5/8	08E-690 ^a	7/8-14	3.28	.63	2.25	.39	3/4	1
3/4	3/4	12E-692	1-1/16-12	3.72	.78	2.38	.58	1	1-1/4
1	1	16E-696	1-5/16-12	4.67	1.10	3.31	.83	1-1/4	1-1/2

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

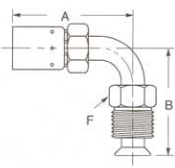
^a Swivel nuts are universal – both SAE 37° and 45° connections.

Female FOR-SEAL[®]
Swivel 45° Tube Elbow



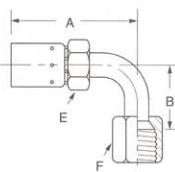
HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04E-L64	9/16-18	2.46	.41	1.63	.15	7/16	11/16
1/4	3/8	04E-L66	11/16-16	2.69	.43	1.75	.15	5/8	13/16
5/16	3/8	05E-L66	11/16-16	2.70	.43	1.75	.22	9/16	13/16
3/8	3/8	06E-L66	11/16-16	2.79	.43	1.81	.24	5/8	13/16
1/2	1/2	08E-L68	13/16-16	3.14	.60	2.13	.33	3/4	15/16
3/4	3/4	12E-L72	1-3/16-12	3.83	.83	2.63	.59	1	1-3/8
1	1	16E-L76	1-7/16-12	4.31	.94	3.00	.76	1-1/4	1-5/8

Inverted Male Swivel
90° Tube Elbow



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	3/16	04E-B63	3/8-24	2.23	1.06	1.38	.12	7/16	3/8
1/4	1/4	04E-B64	7/16-24	2.25	1.36	1.31	.15	7/16	7/16
3/8	5/16	06E-B65	1/2-20	2.49	1.61	1.56	.21	9/16	1/2
3/8	3/8	06E-B66	5/8-18	2.92	1.97	1.94	.24	5/8	5/8
1/2	1/2	08E-B68	3/4-18	3.03	2.32	2.00	.33	3/4	3/4

JIC 37° Female Swivel 90°
Tube Elbow
 (Exceptions Noted, Refer to Footnotes)

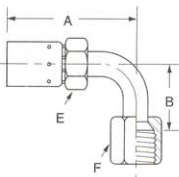


HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04E-664 ^a	7/16-20	2.27	.68	1.44	.15	7/16	9/16
1/4	5/16	04E-665 ^a	1/2-20	2.47	.77	1.63	.16	7/16	5/8
5/16	5/16	05E-665 ^a	1/2-20	2.58	.77	1.63	.21	9/16	5/8
5/16	3/8	05E-666	9/16-18	2.57	.85	1.62	.22	9/16	11/16
3/8	3/8	06E-666	9/16-18	2.63	.85	1.68	.24	5/8	11/16
3/8	1/2	06E-668 ^a	3/4-16	2.76	1.09	1.81	.27	5/8	7/8
1/2	1/2	08E-668 ^a	3/4-16	2.82	1.09	1.75	.33	3/4	7/8
1/2	5/8	08E-670 ^a	7/8-14	3.34	1.23	2.31	.39	3/4	1
3/4	3/4	12E-672	1-1/16-12	3.70	1.82	2.50	.59	1	1-1/4
1	1	16E-676	1-5/16-12	4.39	2.14	3.00	.83	1-1/4	1-1/2

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

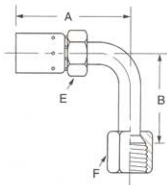
^a Swivel nuts are universal – both SAE 37° and 45° connections.

**SAE 45° Female Swivel
 90° Tube Elbow**



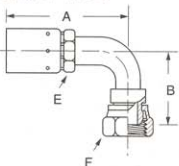
HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
3/8	3/8	06E-466	5/8-18	2.72	.85	1.75	.24	5/8	3/4

**JIC 37° Female Swivel
 Long Drop 90° Tube Elbow
 (Exceptions Noted)**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04E-644 ^a	7/16-20	2.27	1.80	1.42	.15	7/16	9/16
1/4	5/16	04E-645 ^a	1/2-20	2.51	1.80	1.63	.16	7/16	5/8
5/16	3/8	05E-646	9/16-18	2.63	2.18	1.69	.22	9/16	11/16
3/8	3/8	06E-646	9/16-18	2.66	2.18	1.69	.24	5/8	11/16
3/8	1/2	06E-648 ^a	3/4-16	2.83	2.43	1.88	.27	5/8	7/8
1/2	1/2	08E-648 ^a	3/4-16	2.82	2.43	1.75	.33	3/4	7/8
1/2	5/8	08E-650 ^a	7/8-14	2.96	2.57	1.94	.39	3/4	1
3/4	3/4	12E-652	1-1/16-12	3.74	3.73	2.50	.58	1	1-1/4
1	1	16E-656	1-5/16-12	4.36	4.33	3.00	.83	1-1/4	1-1/2

**British Standard (BSPP)
 60° Cone Female Pipe
 Swivel 90° Elbow**

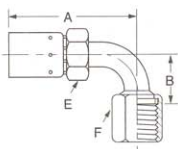


HOSE I.D.	BSPP PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04E-74P	G-1/4-19*	2.89	1.50	2.06	.16	7/16	3/4
3/8	3/8	06E-76P	G-3/8-19*	2.96	1.66	2.00	.27	5/8	7/8
1/2	1/2	08E-78P	G-1/2-14*	2.95	1.73	1.88	.37	3/4	1
3/4	3/4	12E-82P	G-3/4-14*	3.83	2.43	2.61	.61	1	1-1/4

*G As Part of Thread Size is ISO Designation for Parallel Thread.

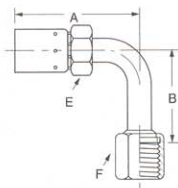
†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

**Female FOR-SEAL®
 Swivel Short Drop 90°
 Elbow**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04E-A24	9/16-18	2.27	.81	1.44	.21	7/16	11/16
1/4	3/8	04E-A26	11/16-16	2.54	.90	1.69	.16	5/8	13/16
5/16	3/8	05E-A26	11/16-16	2.62	.90	1.69	.22	9/16	13/16
3/8	3/8	06E-A26	11/16-16	2.71	.90	1.75	.24	5/8	13/16
3/8	1/2	06E-A28	13/16-16	2.81	1.15	1.88	.27	5/8	15/16
1/2	1/2	08E-A28	13/16-16	2.90	1.15	1.88	.33	3/4	15/16
3/4	3/4	12E-A32	1-3/16-12	3.70	1.88	2.50	.59	1	1-3/8
1	1	16E-A36	1-7/16-12	4.01	2.21	2.69	.76	1-1/4	1-5/8

**Female FOR-SEAL®
 Swivel Long Drop 90°
 Tube Elbow**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04E-A64	9/16-18	2.41	1.80	1.56	.21	7/16	11/16
5/16	3/8	05E-A66	11/16-16	2.73	2.12	1.81	.22	9/16	13/16
3/8	3/8	06E-A66	11/16-16	2.82	2.12	1.88	.24	5/8	13/16
3/8	1/2	06E-A68	13/16-16	2.80	2.50	1.88	.27	5/8	15/16
1/2	1/2	08E-A68	13/16-16	2.89	2.50	1.88	.33	3/4	15/16