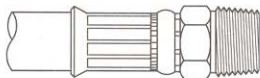


# COLL-O-CRIMP® 470 'E' Series

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

## Hose End 470 'E' Series



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

**WARNING** - 47032E ends can ONLY be crimped on the T-440.

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

Refer to important safety information on page 3.

**Typical Application:** Very high pressure hydraulic lines subjected to extreme pressure surges and flexing. Some applications include mining, construction, farming and high performance industrial equipment.

**Compatible Hose:** H470

**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

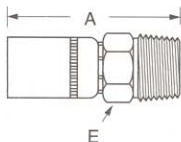
**Plating:** Zinc; yellow dichromate finish

**Advantages:** SAE Code 62 High Pressure Series hose ends. Excellent series for very high pressure hydraulics. Compatible with Caterpillar, John Deere, and most major manufacturers of equipment using high pressure applications.

**Assemble With:** T-410-1 Coll-O-Crimp® II, T-420-1 Coll-O-Crimp® Super I, T-440-1 Coll-O-Crimp II Plus or T-480 depending on size.

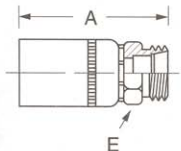
**Label Set:** FS-1800

## Male Pipe Rigid



HOSE I.D.	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/2	1/2	47008E-108	1/2-14	2.79	1.38	.38	7/8
3/4	3/4	47012E-112	3/4-14	3.80	1.75	.61	1-1/16
1	1	47016E-116	1-11/2	4.30	1.94	.80	1-3/8
1-1/4	1-1/4	47020E-120	1-1/4-11-1/2	5.56	2.44	1.00	1-3/4
1-1/2	1-1/2	47024E-124	1-1/2-11-1/2	5.61	2.25	1.25	2-1/8
2	2	47032E-132	2-11-1/2	6.53	2.75	1.56	2-3/4

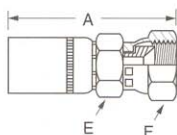
## Male DIN 24° Seat s. Rh. (Heavy)



HOSE I.D.	TUBE SIZE (MM)	CATALOG NUMBER	THREAD (MM)	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
3/4	25	47012E-25F	M36-2.0	3.56	1.61	.58	1-3/8
1	30	47016E-30F	M42-2.0	4.26	1.88	.79	1-3/4
1-1/4	38	47020E-38F	M52-2.0	5.22	3.81	1.00	2-1/4

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

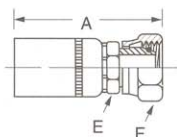
JIC 37° Female Swivel



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/2	1/2	47008E-608	3/4-16	2.97	1.56	.39	7/8	7/8
3/4	3/4	47012E-612	1-1/16-12	3.90	1.88	.58	1-1/16	1-1/4
3/4	1	47012E-616	1-5/16-12	3.98	1.94	.58	1-1/4	1-1/2
1	1	47016E-616	1-5/16-12	4.34	2.00	.80	1-3/8	1-1/2
1-1/4	1-1/4	47020E-620	1-5/8-12	5.72	2.56	1.00	1-3/4	2
1-1/2	1-1/2	47024E-624	1-7/8-12	6.04	2.63	1.25	2-1/8	2-1/4
2	2	47032E-632	2-1/2-12	6.98	3.22	1.56	2-3/4	3

**⚠ WARNING** - Before crimping this fitting on a T-440 C-O-C machine, refer to T-440 crimping procedures on page 348-350.

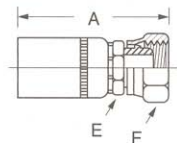
Female Swivel DIN 24° Seat s. Rh. DKO (Heavy)



HOSE I.D.	TUBE SIZE (MM)	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
3/4	25	47012E-75C	M36x2.0	3.94	1.88	.58	1-5/16	1-13/16
1	30	47016E-80C	M42x2.0	4.60	2.25	.79	1-5/8	2
1-1/4	38	47020E-88C	M52x2.0	5.96	2.63	1.00	2	2-3/8

(Includes O-Ring)

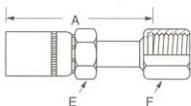
British Standard (BSPP) 60° Cone Female Pipe Swivel



HOSE I.D.	BSPP PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
3/4	3/4	47012E-362	G-3/4-14*	3.99	1.69	.58	1-1/16	1-1/4
1	1	47016E-366	G-1-11*	4.75	2.23	.79	1-3/8	1-1/2
1-1/4	1-1/4	47020E-370	G-1-1/4-11*	6.26	2.44	1.00	1-7/8	1-7/8
1-1/2	1-1/2	47024E-374	G-1-1/2-11*	6.46	3.04	1.18	2	2-1/4
2	2	47032E-375	G-2-11*	6.85	3.06	1.56	2-3/4	2-3/4

\*G As Part of Thread Size is ISO Designation for Parallel Thread. Swivel Nut Style may vary.

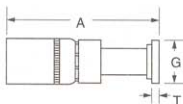
Female FOR-SEAL® Swivel Straight



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
3/4	3/4	47012E-S72	1-3/16-12	4.20	2.16	.55	1-1/8	1-3/8
1	1	47016E-S76	1-7/16-12	4.65	2.31	.79	1-3/8	1-5/8
1	1-1/4	47016E-S80	1-11/16-12	4.65	2.31	.79	1-3/8	1-7/8
1-1/4	1-1/4	47020E-S80	1-11/16-12	5.76	2.62	1.00	1-3/4	1-7/8

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

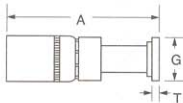
**Split Flange Straight**  
(SAE Code 61)



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
1/2	1/2	47008E-G08	8x252	3.79	2.38	.38	1.19	.265
3/4	3/4	47012E-G12	12x252	4.46	2.44	.58	1.50	.265
3/4	1	47012E-G16	16x252	4.46	2.44	.58	1.75	.315
1	1	47016E-G16	16x252	4.91	2.56	.77	1.75	.315
1-1/4	1-1/4	47020E-G20	20x252	5.84	2.69	1.00	2.00	.315
1-1/2	1-1/2	47024E-G24	24x252	6.83	3.50	1.25	2.38	.315
2	2	47032E-G32	32x252	7.82	4.06	1.81	2.81	.375

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

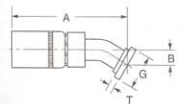
**Split Flange Straight**  
(SAE Code 62)



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
3/4	3/4	47012E-D12	12x252	4.75	2.75	.58	1.62	.345
3/4	1	47012E-D16	16x252	4.94	2.88	.58	1.88	.375
1	1	47016E-D16	16x252	4.91	2.56	.77	1.88	.375
1	1-1/4	47016E-D20	20x252	5.10	2.75	.77	2.12	.405
1	1-1/2	47016E-D24	24x252	5.30	2.94	.77	2.50	.495
1-1/4	1-1/4	47020E-D20	20x252	5.73	2.63	1.00	2.12	.405
1-1/4	1-1/2	47020E-D24	24x252	5.91	2.75	1.00	2.50	.495
1-1/2	1-1/4	47024E-D20	20x252	6.87	3.44	1.00	2.12	.405
1-1/2	1-1/2	47024E-D24	24x252	6.71	3.31	1.25	2.50	.495

(For Split Flange Kits, see page 320.)

**Split Flange 30° Tube Elbow**  
(SAE Code 62)

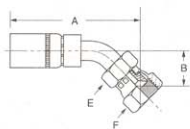


HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
1	1-1/2	47016E-N25	24x252	6.46	1.11	4.06	.75	2.50	.495
1-1/4	1-1/2	47020E-N25	24x252	7.45	1.09	4.31	1.06	2.50	.495

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

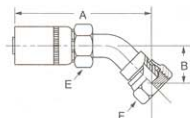
†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

**JIC 37° Female 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
1/2	1/2	47008E-688	3/4-16	4.24	1.14	2.81	.39	7/8	7/8
3/4	3/4	47012E-692	1-1/16-12	5.79	1.66	3.75	.61	1-1/8	1-1/4
1	1	47016E-696	1-5/16-12	6.45	1.78	4.19	.80	1-3/16	1-1/2

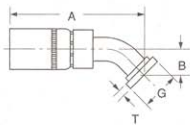
**British Standard (BSPP) 60° Cone Female Pipe Swivel 45° Elbow**



HOSE I.D.	BSPP PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA./HEX E	HEX F
3/4	3/4	47012E-52P	G-3/4-14*	5.80	1.66	3.75	.61	1-1/16	1-1/4
1	1	47016E-56P	G-1-11*	6.54	1.92	4.19	.75	1-3/8	1-1/2

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

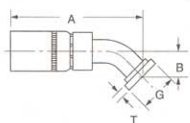
**Split Flange 45° Tube Elbow (SAE Code 61)**



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA G	T NOMINAL
1/2	1/2	47008E-G41	8x252	3.94	.78	2.50	.38	1.19	.265
3/4	3/4	47012E-G42	12x252	5.47	1.34	3.44	.58	1.50	.265
1	1	47016E-G46	16x252	6.09	1.42	3.75	.75	1.75	.315
1-1/4	1-1/4	47020E-G50	20x252	7.13	1.40	4.00	1.00	2.00	.315
1-1/2	1-1/2	47024E-G54	24x252	7.81	1.41	4.38	1.25	2.38	.315
2	2	47032E-G62	32x252	9.36	2.00	5.56	1.81	2.81	.375

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

**Split Flange 45° Tube Elbow (SAE Code 62)**

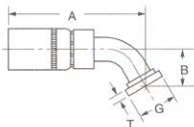


HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA G	T NOMINAL
3/4	3/4	47012E-D42	12x252	5.48	1.36	3.44	.58	1.62	.345
3/4	1	47012E-D46	16x252	5.62	1.50	3.56	.58	1.88	.375
1	1	47016E-D46	16x252	6.09	1.42	3.75	.79	1.88	.375
1	1-1/4	47016E-D50	20x252	6.20	1.56	3.83	.79	2.12	.405
1-1/4	1-1/4	47020E-D50	20x252	7.18	1.46	4.00	1.00	2.12	.405
1-1/4	1-1/2	47020E-D54	24x252	7.31	1.58	4.19	1.00	2.50	.495
1-1/2	1-1/2	47024E-D54	24x252	7.99	1.60	4.56	1.19	2.50	.495

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

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

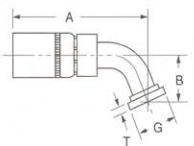
**Split Flange 60° Tube Elbow  
(SAE Code 62)**



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
1-1/4	1-1/2	47020E-N55	24x252	7.35	2.28	4.19	1.06	2.50	.495

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

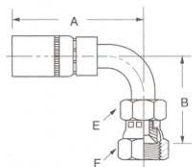
**Split Flange 67 1/2° Tube Elbow  
(SAE Code 62)**



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
1	1	47016E-N63	16x252	6.02	2.24	3.63	.75	1.88	.375

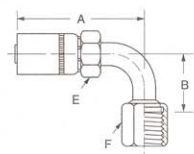
(For Split Flange Kits, see page 317-320)

**JIC 37° 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
1/2	1/2	47008E-668	3/4-16	3.53	2.12	2.80	.39	7/8	7/8
3/4	3/4	47012E-672	1-1/16-12	5.01	3.05	3.74	.61	1-1/8	1-1/4
1	1	47016E-676	1-5/16-12	5.52	3.30	4.17	.80	1-3/16	1-1/2

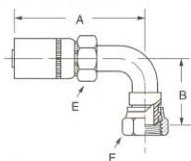
**Female FOR-SEAL® Swivel  
Short 90° Tube Elbow Drop**



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1-1/4	1-1/4	47020E-A40	1-11/16-12	6.51	2.51	3.38	1.00	1-3/4	1-7/8

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

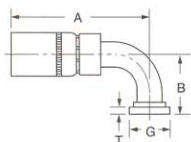
**British Standard (BSPP)  
60° Cone Female Pipe  
Swivel 90° Elbow**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
3/4	3/4	47012E-82P	G-3/4-14*	4.98	2.49	2.94	.61	1-1/8	1-1/4
1	1	47016E-86P	G-1-11*	5.52	3.43	3.13	.75	1-3/8	1-1/2

\*G As part of thread size is ISO designation for Parallel thread.

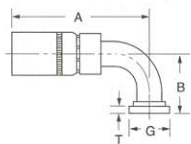
**Split Flange 90° Tube  
Elbow (SAE Code 61)**



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
1/2	1/2	47008E-G71	8x252	3.59	1.62	2.13	.50	1.19	.265
3/4	3/4	47012E-G72	12x252	5.01	2.59	2.94	.61	1.50	.265
3/4	1	47012E-G76	16x252	5.01	2.59	2.94	.58	1.75	.315
1	1	47016E-G76	16x252	5.52	2.78	3.19	.75	1.75	.315
1-1/4	1-1/4	47020E-G80	20x252	6.61	2.43	3.50	1.12	2.00	.315
1-1/2	1-1/2	47024E-G84	24x252	7.57	3.12	4.19	1.44	2.38	.315
2	2	47032E-G92	32x252	8.88	4.50	5.13	1.81	2.81	.375

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

**Split Flange 90° Tube  
Elbow (SAE Code 62)**

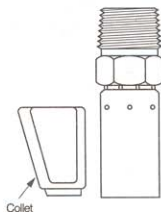
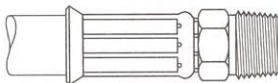


HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
3/4	3/4	47012E-D72	12x252	5.01	2.62	2.94	.64	1.62	.345
3/4	1	47012E-D76	16x252	5.01	2.81	2.94	.60	1.88	.375
1	1	47016E-D76	16x252	5.52	2.79	3.13	.86	1.88	.375
1	1-1/4	47016E-D80	20x252	5.52	2.94	3.13	.86	2.12	.405
1	1-1/2	47016E-D84	24x252	5.75	3.42	3.39	.75	2.50	.495
1-1/4	1-1/4	47020E-D80	20x252	6.61	3.02	3.50	1.03	2.12	.405
1-1/4	1-1/4	47020E-D80L47	20x252	6.61	4.70	3.50	1.03	2.12	.405
1-1/4	1-1/4	47020E-D80L60	20x252	6.61	6.00	3.50	1.03	2.12	.405
1-1/4	1-1/2	47020E-D84	24x252	6.61	3.68	3.50	1.03	2.50	.495
1-1/2	1-1/4	47024E-D80	20x252	6.77	3.02	3.38	1.03	2.12	.405
1-1/2	1-1/2	47024E-D84	24x252	7.57	3.68	4.19	1.28	2.50	.495

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

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

**Hose End 'U' Series**



Refer to important safety information on page 3.

**Typical Application:** General purpose low, medium, and high pressure hydraulic.

**Compatible Hose:** H017; H039; H104; H105; H115; H145; H146; H245; H324; H325; H350; H425

**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 a diverse number of applications. An ideal series to introduce hydraulics.

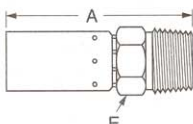
**Assemble With:** T-400-1, T-410-1, T-420-1, T-440, T-460, T-462, T-465 and T-480.

**Ordering Information:** Order individually by catalog number. O-rings not supplied with flange hose ends. Order o-rings by catalog number; reference individual listings for details. For split flange kits, refer to pages 317-320.

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

**Label Set:** FS-1100

**Male Pipe Rigid**

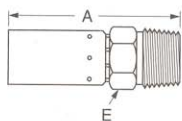


HOSE I.D.	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	1/8	04U-102	1/8-27	2.31	.75	.16	9/16
1/4	1/4	04U-104	1/4-18	2.49	.94	.16	9/16
1/4	3/8	04U-106	3/8-18	2.52	1.00	.16	11/16
1/4	1/2	04U-108	1/2-14	2.77	1.06	.16	7/8
3/8	1/4	06U-104	1/4-18	2.52	1.00	.25	11/16
3/8	3/8	06U-106	3/8-18	2.52	1.00	.25	11/16
3/8	1/2	06U-108	1/2-14	2.77	1.25	.25	7/8
1/2	1/4	08U-104	1/4-18	2.56	.88	.28	13/16
1/2	3/8	08U-106	3/8-18	2.57	1.14	.36	3/4
1/2	1/2	08U-108	1/2-14	2.75	1.31	.36	13/16
1/2	3/4	08U-112	3/4-14	2.83	1.28	.36	1-1/16
5/8	3/8	10U-106	3/8-18	3.12	1.13	.48	15/16
5/8	1/2	10U-108	1/2-14	3.31	1.38	.48	15/16
5/8	3/4	10U-112	3/4-14	3.31	1.30	.48	1-1/16
3/4	1/2	12U-108	1/2-14	3.62	1.44	.61	1
3/4	3/4	12U-112	3/4-14	3.61	1.44	.61	1-1/16
3/4	1	12U-116	1-11-1/2	3.84	1.69	.61	1-3/8
1	3/4	16U-112	3/4-14	4.23	1.88	.81	1-1/4
1	1	16U-116	1-11-1/2	3.90	1.69	.81	1-3/8
1-1/4	1-1/4	20U-120	1-1/4-11-1/2	4.61	2.31	1.02	1-11/16



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

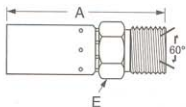
**British Standard Tapered Male Pipe (BSPT/JIS) Rigid**



HOSE I.D.	BSPT PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	1/4	04U-154	R-1/4-19"	2.51	1.00	.16	3/4
3/8	3/8	06U-156	R-3/8-19"	2.54	1.06	.25	11/16
1/2	1/2	08U-158	R-1/2-14"	2.78	1.31	.36	7/8
3/4	3/4	12U-162	R-3/4-14"	3.62	1.44	.61	1-1/8
1	1	16U-166	R-1-11"	4.23	2.00	.81	1-3/8

\*R As Part of Thread Size is ISO Designation for Tapered Thread.

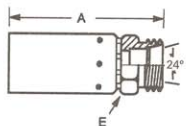
**British Standard 60° (BSPP) Cone Male Pipe Rigid**



HOSE I.D.	BSPT PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	1/4	04U-P54	G-1/4-19**	2.38	.88	.16	11/16
3/8	3/8	06U-P56	G-3/8-19**	2.48	.94	.25	3/4
3/8	1/2	06U-P58	G-1/2-14**	2.62	1.06	.25	1
1/2	3/8	08U-P56	G-3/8-19**	2.54	1.13	.32	13/16
1/2	1/2	08U-P58	G-1/2-14**	2.62	1.19	.36	1
5/8	5/8	10U-P60	G-5/8-14**	3.25	1.31	.48	1-1/8
3/4	3/4	12U-P62	G-3/4-14**	3.65	1.50	.61	1-1/8
1	1	16U-P66	G-1-11**	3.91	1.69	.81	1-3/8
1-1/4	1-1/4	20U-P67	G-1-14-11**	4.41	2.13	1.02	1-3/4

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

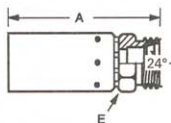
**Male DIN Universal Seat I. Rh. (Light)**



HOSE I.D.	TUBE SIZE (MM)	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	8	04U-08A	M14x1.5	2.27	.81	.16	9/16
1/4	10	04U-10A	M16x1.5	2.36	.88	.16	11/16
3/8	10	06U-10A	M16x1.5	2.36	.94	.25	11/16
3/8	12	06U-12A	M18x1.5	2.36	.94	.25	3/4
1/2	15	08U-15A	M22x1.5	2.42	1.00	.36	7/8
5/8	18	10U-18A	M26x1.5	2.99	1.06	.48	1-1/16
3/4	22	12U-22A	M30x2.0	3.45	1.31	.61	1-1/4
1	28	16U-28A	M36x2.0	3.73	1.50	.81	1-1/2

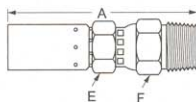


### Male DIN 24° Seat s. Rh. (Heavy)



HOSE I.D.	TUBE SIZE (MM)	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	8	04U-08F	M16x1.5	2.39	.88	.16	11/16
1/4	10	04U-10F	M18x1.5	2.40	.88	.16	3/4
3/8	10	06U-10F	M18x1.5	2.40	.94	.25	3/4
3/8	12	06U-12F	M20x1.5	2.42	1.00	.25	13/16
3/8	14	06U-14F	M22x1.5	2.50	1.06	.25	7/8
1/2	16	08U-16F	M24x1.5	2.57	1.13	.36	1
5/8	20	10U-20F	M30x2	3.21	1.28	.48	1-1/4
3/4	20	12U-20F	M30x2	3.53	1.38	.61	1-1/4
3/4	25	12U-25F	M36x2	3.71	1.56	.61	1-1/2
1	30	16U-30F	M42x2	3.98	1.75	.81	1-11/16

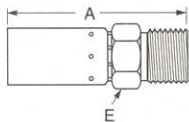
### Male Pipe Swivel



HOSE I.D.	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04U-J04	1/4-18	3.38	1.88	.16	5/8	13/16
3/8	1/4	06U-J04	1/4-18	3.40	1.94	.25	11/16	13/16
3/8	3/8	06U-J06	3/8-18	3.38	1.94	.25	11/16	7/8
3/8	1/2	06U-J08	1/2-14	3.60	2.13	.25	3/4	7/8
1/2	3/8	08U-J06	3/8-18	3.45	2.00	.36	13/16	7/8
1/2	1/2	08U-J08	1/2-14	3.60	2.19	.36	13/16	7/8
3/4	3/4	12U-J12	3/4-14	4.73	2.56	.61	1	1-1/4
1	1	16U-J16	1-11-1/2	5.20	3.00	.80	1-1/4	1-3/8

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

### FOR-SEAL® Male Rigid

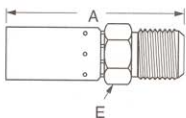


HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	O-RING	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	1/4	04U-E64	9/16-18	4629x4	2.34	.88	.16	5/8
3/8	3/8	06U-E66	11/16-16	4629x6	2.43	1.00	.25	13/16
3/8	1/2	06U-E68	13/16-16	4629x8	2.54	1.13	.38	7/8
1/2	1/2	08U-E68	13/16-16	4629x8	2.54	1.13	.36	7/8
1/2	5/8	08U-E70	1-14	4629x10	2.78	1.35	.36	1-1/16
1/2	3/4	08U-E72	1-3/16-12	4629x12	2.76	1.31	.36	1-1/4
5/8	5/8	10U-E70	1-14	4629x10	3.20	1.25	.48	1-1/16
5/8	3/4	10U-E72	1-3/16-12	4629x12	3.45	1.50	.48	1-1/4
3/4	3/4	12U-E72	1-3/16-12	4629x12	3.58	1.44	.61	1-1/4
3/4	1	12U-E76	1-7/16-12	4629x16	3.60	1.44	.61	1-1/2
1	1	16U-E76	1-7/16-12	4629x16	3.73	1.50	.81	1-1/2
1-1/4	1-1/4	20U-E80	1-11/16-12	4629x20	4.10	1.81	1.02	1-3/4

(Does not include O-ring. See page 267 for O-ring.)

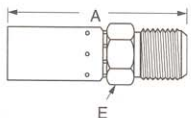
†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

**JIC 37° Male Rigid**



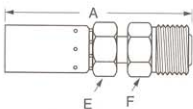
HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	1/4	04U-504	7/16-20	2.48	1.00	.16	1/2
1/4	5/16	04U-505	1/2-20	2.51	1.00	.16	9/16
1/4	3/8	04U-506	9/16-18	2.55	1.00	.16	5/8
3/8	3/8	06U-506	9/16-18	2.54	1.00	.25	11/16
3/8	1/2	06U-508	3/4-16	2.67	1.25	.25	13/16
3/8	5/8	06U-510	7/8-14	2.83	1.31	.25	15/16
1/2	1/2	08U-508	3/4-16	2.70	1.19	.38	13/16
1/2	5/8	08U-510	7/8-14	2.83	1.31	.36	15/16
1/2	3/4	08U-512	1-1/16-12	2.87	1.44	.36	1-1/8
5/8	1/2	10U-508	3/4-16	3.22	1.31	.39	15/16
5/8	5/8	10U-510	7/8-14	3.32	1.38	.48	15/16
5/8	3/4	10U-512	1-1/16-12	3.42	1.44	.48	1-1/8
3/4	5/8	12U-510	7/8-14	3.64	1.44	.43	1
3/4	3/4	12U-512	1-1/16-12	3.74	1.56	.61	1-1/16
3/4	7/8	12U-514	1-3/16-12	3.81	1.63	.61	1-1/4
3/4	1	12U-516	1-5/16-12	3.81	1.63	.61	1-3/8
1	7/8	16U-514	1-3/16-12	4.18	1.94	.72	1-1/4
1	1	16U-516	1-5/16-12	4.20	2.00	.81	1-3/8
1	1-1/4	16U-520	1-5/8-12	4.02	1.81	.81	1-11/16
1-1/4	1-1/4	20U-520	1-5/8-12	4.60	2.31	1.02	1-11/16

**SAE 45° Flare Male Rigid**



HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
3/8	3/8	06U-306	5/8-18	2.60	1.13	.28	11/16
3/4	3/4	12U-312	1-1/16-14	3.87	1.69	.61	1-1/8

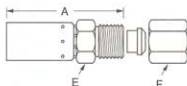
**Inverted Male Swivel Straight**



HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	3/16	04U-B03	3/8-24	3.75	2.25	.12	9/16	3/8
1/4	1/4	04U-B04	7/16-24	3.14	1.69	.16	9/16	7/16
1/4	5/16	04U-B05	1/2-20	3.13	1.63	.21	9/16	1/2
3/8	1/4	06U-B04	7/16-24	3.13	1.69	.16	11/16	7/16
3/8	5/16	06U-B05	1/2-20	3.16	1.75	.21	11/16	1/2
3/8	3/8	06U-B06	5/8-18	3.33	1.94	.24	11/16	5/8
3/8	7/16	06U-B07	11/16-18	3.33	1.94	.24	11/16	11/16
1/2	1/2	08U-B08	3/4-18	3.69	2.25	.33	13/16	3/4
1/2	5/8	08U-B10	7/8-18	3.43	2.00	.33	13/16	7/8

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

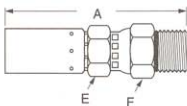
**Flareless Tube Rigid  
 Ermeto® 7000 Series  
 (With Nut and Sleeve)**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04U-754	7/16-20	2.38	.94	.16	9/16	9/16
1/4	5/16	04U-755	1/2-20	2.41	.93	.16	11/16	5/8
3/8	1/4	06U-754	7/16-20	2.40	1.00	.20	11/16	9/16
3/8	5/16	06U-755	1/2-20	2.40	1.00	.23	11/16	5/8
3/8	3/8	06U-756	9/16-18	2.42	1.00	.25	11/16	11/16
1/2	1/2	08U-758	3/4-16	2.51	1.13	.36	13/16	7/8
1/2	5/8	08U-760	7/8-14	2.64	1.25	.36	15/16	1
3/4	3/4	12U-762	1-1/16-12	3.55	1.38	.61	1-1/8	1-1/4
1	1	16U-766	1-5/16-12	3.98	1.75	.81	1-3/8	1-1/2
1-1/4	1-1/4	20U-770	1-5/8-12	4.35	2.00	1.02	1-11/16	2

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

**Male Straight Thread  
 O-Ring Swivel**



HOSE I.D.	PORT SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04U-R04	7/16-20	3.33	1.81	.16	5/8	13/16
3/8	3/8	06U-R06	9/16-18	3.29	1.86	.25	11/16	7/8
3/8	1/2	06U-R08	3/4-16	3.25	1.75	.25	11/16	7/8
1/2	1/2	08U-R08	3/4-16	3.27	1.81	.36	13/16	7/8
1/2	5/8	08U-R10	7/8-14	3.41	2.00	.36	13/16	1-1/8
1/2	3/4	08U-R12	1-1/16-12	3.57	2.06	.36	13/16	1-1/4
5/8	1/2	10U-R08	3/4-16	3.96	1.88	.42	15/16	1-1/8
3/4	5/8	12U-R10	7/8-14	4.23	2.06	.50	1	1-1/8

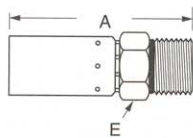
(Includes O-ring. For replacement O-ring, see page 254.)

**Note:** Swivel for installation purposes only.

(Not for temperatures above 212°F)

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

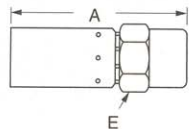
**Male Straight Thread  
 O-Ring Rigid**



HOSE ID	PORT SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	1/4	04U-P04	7/16-20	2.29	.81	.16	9/16
1/4	5/16	04U-P05	1/2-20	2.32	.88	.16	5/8
1/4	3/8	04U-P06	9/16-18	2.35	.88	.16	11/16
3/8	3/8	06U-P06	9/16-18	2.35	.94	.25	11/16
3/8	1/2	06U-P08	3/4-16	2.46	1.06	.25	7/8
3/8	5/8	06U-P10	7/8-14	2.57	1.13	.25	1
1/2	1/2	08U-P08	3/4-16	2.46	1.06	.36	7/8
1/2	5/8	08U-P10	7/8-14	2.55	1.13	.36	1
1/2	3/4	08U-P12	1-1/16-12	2.66	1.25	.36	1-1/4
5/8	1/2	10U-P08	3/4-16	3.00	1.13	.48	15/16
5/8	5/8	10U-P10	7/8-14	3.06	1.13	.48	1
5/8	3/4	10U-P12	1-1/16-12	3.15	1.25	.48	1-1/4
3/4	5/8	12U-P10	7/8-14	3.36	1.19	.50	1
3/4	3/4	12U-P12	1-1/16-12	3.49	1.31	.61	1-1/4
3/4	1	12U-P16	1-5/16-12	3.50	1.31	.61	1-1/2
1	1	16U-P16	1-5/16-12	3.63	1.44	.81	1-1/2
1-1/4	1-1/4	20U-P20	1-5/8-12	4.23	1.94	1.02	1-7/8

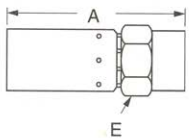
(Includes O-ring. For replacement O-ring, see page 254.)

**Female Grease Tap**



HOSE ID	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	04U-C34	.511-27	2.45	.90	.16	3/4
3/8	06U-C36	.511-27	2.44	.90	.25	3/4

**Female Pipe Rigid**

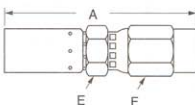


HOSE ID	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	1/8	04U-202	1/8-27	2.20	.75	.16	5/8
1/4	1/4	04U-204	1/4-18	2.43	.94	.16	3/4
3/8	1/4	06U-204	1/4-18	2.46	1.06	.25	3/4
3/8	3/8	06U-206	3/8-18	2.57	1.13	.25	7/8
1/2	1/2	08U-208	1/2-14	2.82	1.38	.36	1-1/8
3/4	3/4	12U-212	3/4-14	3.71	1.56	.61	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 37° and 45° connections.

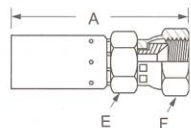
**Female Pipe Swivel**



HOSE I.D.	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04U-254	1/4-18	3.52	2.06	.20	5/8	13/16
3/8	3/8	06U-256	3/8-18	3.61	2.19	.32	11/16	7/8
1/2	1/2	08U-258	1/2-14	3.85	2.38	.43	13/16	1-1/8
3/4	3/4	12U-262	3/4-14	4.81	2.63	.61	1	1-3/8
1	1	16U-266	1-11/2	5.26	3.06	.80	1-1/4	1-5/8

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

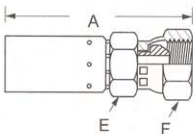
**JIC 37° Female Swivel**  
 (Exceptions Noted for 45° Flare, Refer to Footnotes)



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04U-604 <sup>a</sup>	7/16-20	2.61	1.13	.16	9/16	9/16
1/4	5/16	04U-605 <sup>a</sup>	1/2-20	2.67	1.18	.16	9/16	5/8
1/4	3/8	04U-606	9/16-18	2.72	1.25	.16	9/16	11/16
3/8	1/4	06U-604 <sup>a</sup>	7/16-20	2.66	1.25	.16	11/16	9/16
3/8	3/8	06U-606	9/16-18	2.77	1.31	.25	11/16	11/16
3/8	1/2	06U-608 <sup>a</sup>	3/4-16	2.86	1.44	.25	11/16	7/8
3/8	5/8	06U-610 <sup>a</sup>	7/8-14	3.00	1.56	.25	7/8	1
3/8	3/4	06U-612	1-1/16-12	3.15	1.69	.25	1	1-1/4
1/2	3/8	08U-606	9/16-18	2.68	1.25	.30	13/16	11/16
1/2	1/2	08U-608 <sup>a</sup>	3/4-16	2.79	1.38	.36	13/16	7/8
1/2	5/8	08U-610 <sup>a</sup>	7/8-14	3.00	1.56	.36	13/16	1
1/2	3/4	08U-612	1-1/16-12	3.12	1.44	.36	1	1-1/4
1/2	1	08U-616	1-5/16-12	3.17	1.75	.36	1-1/4	1-1/2
5/8	1/2	10U-608 <sup>a</sup>	3/4-16	3.48	1.56	.39	15/16	7/8
5/8	5/8	10U-610 <sup>a</sup>	7/8-14	3.53	1.63	.48	15/16	1
5/8	3/4	10U-612	1-1/16-12	3.64	1.75	.48	1	1-1/4
3/4	5/8	12U-610 <sup>a</sup>	7/8-14	3.75	1.56	.48	1	1
3/4	3/4	12U-612	1-1/16-12	3.86	1.69	.61	1	1-1/4
3/4	7/8	12U-614	1-3/16-12	3.88	1.69	.61	1-1/8	1-3/8
3/4	1	12U-616	1-5/16-12	4.07	1.88	.61	1-1/4	1-1/2
1	3/4	16U-612	1-1/16-12	4.37	2.13	.61	1-1/4	1-1/4
1	7/8	16U-614	1-3/16-12	4.35	2.13	.72	1-1/4	1-3/8
1	1	16U-616	1-5/16-12	4.46	2.25	.81	1-1/4	1-1/2
1	1-1/4	16U-620	1-5/8-12	4.30	2.19	.81	1-5/8	2
1-1/4	1-1/4	20U-620	1-5/8-12	4.90	2.63	1.02	1-11/16	2

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

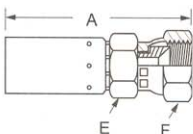
**Female Straight Pipe Swivel (NPSM)**



HOSE I.D.	PIPE SIZE	CATALOG NUMBER	NPSM THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04U-054	1/4-18	2.55	1.06	.16	1/2	11/16
3/8	3/8	06U-056	3/8-18	2.65	1.19	.27	11/16	7/8
1/2	1/2	08U-058	1/2-14	2.85	1.44	.36	13/16	1
3/4	3/4	12U-062	3/4-14	3.77	1.63	.61	1	1-1/4
1	1	16U-066	1-11-1/2	4.34	2.13	.81	1-1/4	1-1/2
1-1/4	1-1/4	20U-070	1-1/4-11-1/2	4.76	2.44	1.08	1-11/16	1-7/8

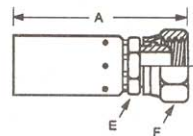
(Connects to male pipe fitting with internal seat.)

**SAE 45° Female Swivel**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
3/8	3/8	06U-406	5/8-18	2.68	1.25	.25	11/16	3/4
3/4	3/4	12U-412	1-1/16-14	3.86	1.69	.61	1	1-1/4

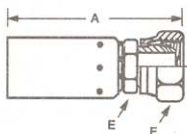
**Female Swivel DIN Universal Seat I. Rh. (Light) (DIN 3901/3902)**



HOSE I.D.	TUBE SIZE (MM)	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	6	04U-06C	M12x1.5	2.73	1.25	.16	9/16	11/16
1/4	8	04U-08C	M14x1.5	2.76	1.25	.16	9/16	11/16
1/4	10	04U-10C	M16x1.5	2.82	1.38	.16	9/16	3/4
3/8	10	06U-10C	M16x1.5	2.78	1.38	.25	11/16	3/4
3/8	12	06U-12C	M18x1.5	2.93	1.50	.25	11/16	7/8
1/2	15	08U-15C	M22x1.5	2.98	1.56	.36	13/16	1-1/16
5/8	18	10U-18C	M26x1.5	3.61	1.69	.48	15/16	1-1/4
3/4	22	12U-22C	M30x2.0	4.03	1.88	.61	1-1/8	1-7/16
1	28	16U-28C	M36x2.0	4.47	2.25	.78	1-1/4	1-5/8
1-1/4	35	20U-35C	M45x2.0	4.61	2.25	1.02	1-3/4	2-1/8

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

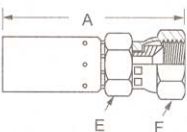
Female Swivel DIN 24° Seat  
 s. Rh. DKO (Heavy)



HOSE ID	TUBE SIZE (MM)	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR	HOLE DIA.	HEX E	HEX F
1/4	8	04U-59C	M16x1.5	2.88	1.40	.16	9/16	3/4
1/4	10	04U-60C	M18x1.5	2.78	1.31	.16	5/8	7/8
1/4	12	04U-62C	M20x1.5	2.67	1.19	.16	3/4	1
3/8	10	06U-60C	M18x1.5	2.78	1.38	.22	3/4	7/8
3/8	12	06U-62C	M20x1.5	2.87	1.44	.25	3/4	1
3/8	14	06U-64C	M22x1.5	2.92	1.50	.25	3/4	1-1/16
1/2	16	08U-66C	M24x1.5	3.06	1.63	.36	7/8	1-1/8
5/8	20	10U-70C	M30x2.0	3.46	1.69	.48	1-1/8	1-7/16
3/4	20	12U-70C	M30x2.0	3.91	1.75	.48	1-1/8	1-7/16
3/4	25	12U-75C	M36x2.0	4.24	2.06	.61	1-1/4	1-5/8
1	30	16U-80C	M42x2.0	4.34	2.13	.81	1-5/8	2
1-1/4	38	20U-88C*	M52x2.0	4.80	2.50	1.02	2	2-3/8

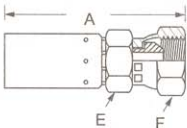
\*20U-88C for use with H42520 only. Crimp on Super I, COC II or COC II Plus only.  
 (Includes O-ring.)

Female Swivel 30° Flare  
 (Komatsu, Linkbelt)



HOSE ID	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR	HOLE DIA.	HEX E	HEX F
1/4	04U-14K	M14x1.5	2.89	1.19	.18	9/16	3/4
3/8	06U-18K	M18x1.5	2.86	1.44	.31	11/16	7/8
1/2	08U-22K	M22x1.5	2.99	1.56	.39	13/16	1
5/8	10U-24K	M24x1.5	3.64	1.69	.50	1	1-1/4
3/4	12U-30K	M30x1.5	3.86	1.69	.61	1-1/8	1-3/8
1	16U-33K	M33x1.5	4.53	2.31	.81	1-1/4	1-5/8
1-1/4	20U-36K	M36x1.5	5.24	2.94	.92	1-5/8	1-3/4

British Standard (BSPP) 60°  
 Cone Female Pipe Swivel

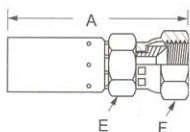


HOSE ID	BSPP PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR	HOLE DIA.	HEX E	HEX F
1/4	1/4	04U-354	G-1/4-19°	2.75	1.25	.16	9/16	3/4
1/4	3/8	04U-356	G-3/8-19°	2.84	1.38	.16	3/4	7/8
3/8	3/8	06U-356	G-3/8-19°	2.84	1.44	.25	3/4	7/8
3/8	1/2	06U-358	G-1/2-14°	2.97	1.56	.25	7/8	1-1/16
1/2	1/2	08U-358	G-1/2-14°	3.05	1.63	.36	13/16	1-1/16
1/2	5/8	08U-360	G-5/8-14°	2.96	1.56	.36	13/16	1-3/16
5/8	5/8	10U-360	G-5/8-14°	3.71	1.75	.48	15/16	1-3/16
3/4	3/4	12U-362	G-3/4-14°	3.87	1.75	.61	1	1-1/4
1	1	16U-366	G-1-11°	4.47	2.25	.81	1-1/4	1-1/2
1-1/4	1-1/4	20U-370	G-1-1/4-11°	4.81	2.50	1.02	1-5/8	1-7/8

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



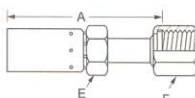
Female JIS 30° Flare  
 Parallel Pipe Swivel



HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04U-04L	G-1/4-19	2.73	1.25	.16	9/16	3/4
3/8	3/8	06U-06L	G-3/8-19	2.84	1.38	.25	11/16	7/8
1/2	1/2	08U-08L	G-1/2-14	3.02	1.56	.36	13/16	1-1/16
5/8	3/4	10U-12L	G-3/4-14	3.52	1.56	.48	1	1-5/16
3/4	3/4	12U-12L	G-3/4-14	3.85	1.75	.61	1	1-1/4
1	1	16U-16L	G-1-11	4.13	1.94	.81	1-1/4	1-1/2

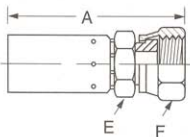
†G As Part of Thread Size is ISO Designation for Parallel Thread.

Female FOR-SEAL®  
 Swivel Straight



HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/4	1/4	04U-S64	9/16-18	2.82	1.34	.16	9/16	11/16
1/4	3/8	04U-S66	11/16-16	2.85	1.37	.26	9/16	13/16
1/4	1/2	04U-S68	13/16-16	3.19	1.75	.36	11/16	15/16
3/8	1/4	06U-S64	9/16-18	2.81	1.38	.16	11/16	5/8
3/8	3/8	06U-S66	11/16-16	2.87	1.54	.26	11/16	13/16
3/8	1/2	06U-S68	13/16-16	3.22	1.79	.28	11/16	15/16
1/2	3/8	08U-S66	11/16-16	2.91	1.50	.26	13/16	13/16
1/2	1/2	08U-S68	13/16-16	3.15	1.74	.36	13/16	15/16
1/2	5/8	08U-S70	1-14	3.30	1.87	.46	13/16	1-1/8
1/2	3/4	08U-S72	1-3/16-12	3.38	1.94	.36	1	1-3/8
5/8	5/8	10U-S70	1-14	3.61	1.68	.46	15/16	1-1/8
5/8	3/4	10U-S72	1-3/16-12	3.84	1.94	.55	1	1-3/8
3/4	5/8	12U-S70	1-14	4.12	1.94	.46	1	1-1/8
3/4	3/4	12U-S72	1-3/16-12	4.20	2.06	.55	1	1-3/8
3/4	1	12U-S76	1-7/16-12	4.78	2.81	.61	1-1/4	1-5/8
1	3/4	16U-S72	1-3/16-12	4.36	2.16	.55	1-1/4	1-3/8
1	1	16U-S76	1-7/16-12	4.88	2.69	.78	1-1/4	1-5/8
1	1-1/4	16U-S80	1-11/16-12	4.53	2.31	.81	1-1/2	1-7/8
1-1/4	1-1/4	20U-S80	1-11/16-12	4.54	2.25	1.04	1-5/8	1-7/8

BSPB Flat Face Female  
 Swivel (HIAB Cranes-  
 Swedish)



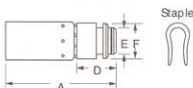
HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
3/8	3/8	06U-06P	G-3/8-19*	2.90	1.50	.25	11/16	7/8
3/8	1/2	06U-08P	G-1/2-14*	2.96	1.50	.25	3/4	1-1/16
1/2	1/2	08U-08P	G-1/2-14*	3.02	1.56	.36	13/16	1-1/16
1/2	3/4	08U-12P	G-3/4-14*	3.06	1.63	.36	1	1-1/4
3/4	3/4	12U-12P	G-3/4-14*	3.92	1.75	.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.

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

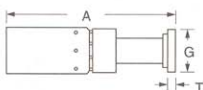
### READY LOK® Male Connector (For Deep Mining Markets)



HOSE ID	CONNECT. SIZE	CATALOG NUMBER	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	LENGTH D	DIA. E	DIA. F
1/4	1/4	04U-04S	2.82	1.31	.16	1.13	.39	.59
3/8	3/8	06U-06S	2.84	1.31	.26	1.13	.54	.78
1/2	1/2	08U-08S	2.82	1.31	.36	1.13	.70	.94
3/4	3/4	12U-12S	3.64	1.50	.61	1.13	.94	1.14
1	1	16U-16S	3.94	1.75	.81	1.34	1.22	1.53
1-1/4	1-1/4	20U-20S	4.06	1.75	1.02	1.34	1.49	1.80

O-ring and backup ring included.  
(See page 316 for READY-LOK® Staple and O-ring.)

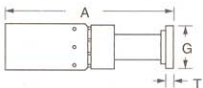
### Split Flange Straight (SAE Code 61)



HOSE ID	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	HOSE CUT-OFF FACTOR	HOLE DIA.	DIA. G	T
1/2	1/2	08U-G08	8x252	3.94	2.50	.33	1.19 (30mm)	.265
3/4	3/4	12U-G12	12x252	4.40	2.25	.58	1.50 (38mm)	.265
3/4	1	12U-G16	16x252	4.40	2.25	.58	1.75 (44mm)	.315
1	1	16U-G16	16x252	4.58	2.38	.77	1.75 (44mm)	.315
1	1-1/4	16U-G20	20x252	4.58	2.38	.77	2.00 (51mm)	.315
1-1/4	1-1/4	20U-G20	20x252	5.04	2.75	1.02	2.00 (51mm)	.315
1-1/4	1-1/2	20U-G24	24x252	5.12	2.81	1.02	2.38 (60mm)	.315

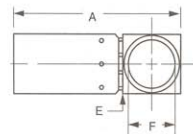
(See page 318 for Code 61 Split Flange Kits.)

### Split Flange Straight - Metric (Komatsu, Linkbelt, etc.)



HOSE ID	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	HOSE CUT-OFF FACTOR	HOLE DIA.	DIA. G	T
5/8	16mm (5/8")	10U-G09	10x252	4.18	2.25	.46	34mm (1.325")	.265

### Banjo (Ford Tractor)

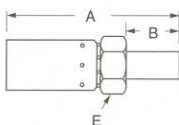


HOSE ID	CATALOG NUMBER	A	HOSE CUT-OFF FACTOR	HOLE DIA.	HEX E
3/8	06U-L06	2.56	.69	7/8	.62

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 37° and 45° connections.

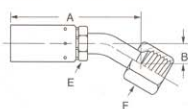
**Metric Standpipe  
 Straight Tube**



HOSE I.D.	TUBE O.D. (MM)	CATALOG NUMBER	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	8	04U-38T	3.06	1.00	1.56	.15	5/8
1/4	10	04U-40T	3.10	1.04	1.63	.15	5/8
3/8	10	06U-40T	3.10	1.04	1.63	.24	13/16
3/8	12	06U-42T	3.10	1.04	1.63	.24	13/16
3/8	14	06U-44T	3.28	1.22	1.81	.24	13/16
1/2	15	08U-45T	3.12	1.00	1.69	.35	7/8
1/2	16	08U-46T	3.34	1.22	1.91	.35	7/8
5/8	18	10U-48T	3.64	1.06	1.75	.48	1-15/16
5/8	20	10U-50T	4.00	1.42	2.06	.48	1-15/16
3/4	22	12U-52T	4.13	1.19	1.88	.61	1
3/4	25	12U-55T	4.53	1.59	2.25	.61	1
1	28	16U-58T	4.43	1.25	2.25	.81	1-1/2
1	30	16U-60T	4.89	1.71	2.69	.81	1-1/2

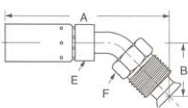
(See page 285 for Metric Nuts and Sleeves.)

**SAE 37° Female  
 Swivel 30° Tube Elbow**



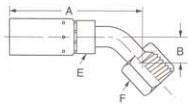
HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HEX E.	HEX F
5/8	3/4	10U-L22	1-1/16-12	4.50	.46	2.56	15/16	1-1/4

**Inverted Male Swivel  
 45° Tube Elbow**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/4	3/16	04U-B43	3/8-24	3.48	.69	2.00	.12	3/8
1/4	1/4	04U-B44	7/16-24	3.61	.93	2.13	.15	7/16
1/4	5/16	04U-B45	1/2-20	3.98	1.14	2.50	.21	1/2
3/8	1/4	06U-B44	7/16-24	3.59	.93	2.19	.15	7/16
3/8	5/16	06U-B45	1/2-20	4.02	1.14	2.56	.21	1/2
3/8	3/8	06U-B46	5/8-18	4.05	1.34	2.63	.24	5/8
3/8	7/16	06U-B47	11/16-18	4.05	1.34	2.63	.24	11/16
1/2	1/2	08U-B48	3/4-18	4.85	1.58	3.44	.33	3/4

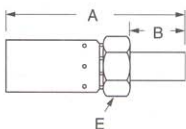
**SAE 45° Female  
 Swivel 45° Tube Elbow**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX DIA. F	HEX F
3/8	3/8	06U-486	5/8-18	3.18	.39	1.75	.21	11/16	3/4

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

## Standpipe Straight Tube

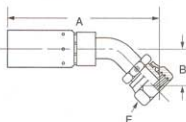


HOSE I.D.	TUBE O.D.	CATALOG NUMBER	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E
1/4	1/4	04U-T04	3.16	1.10	1.69	.15	9/16
3/8	3/8	06U-T06	3.36	1.30	1.94	.25	11/16
1/2	1/2	08U-T08	3.70	1.58	2.25	.33	3/4
5/8	5/8	10U-T10	3.92	1.34	2.00	.46	15/16
3/4	3/4	12U-T12	4.11	1.17	1.94	.58	1
1	1	16U-T16	4.48	1.30	2.31	.76	1-1/4

(See page 299 for Ermeto® Nuts and Sleeves.)

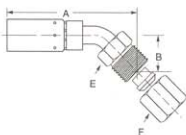
## Female Swivel DIN Universal Seat 45° Tube Elbow

I. Rh. (Light)



HOSE I.D.	TUBE SIZE (MM)	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/4	8	04U-08D	M14x1.5	3.08	.73	1.63	.16	11/16
1/4	10	04U-10D	M16x1.5	3.21	.79	1.75	.16	3/4
3/8	10	06U-10D	M16x1.5	3.90	.96	2.47	.25	3/4
3/8	12	06U-12D	M18x1.5	3.93	.96	2.50	.25	7/8
1/2	15	08U-15D	M22x1.5	3.48	.91	2.06	.36	1-1/16
5/8	18	10U-18D	M26x1.5	4.40	1.08	2.50	.48	1-5/16
3/4	22	12U-22D	M30x2.0	4.62	1.19	2.44	.61	1-7/16
1	28	16U-28D	M36x2.0	5.41	1.56	3.25	.81	1-5/8

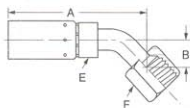
## Flareless 45° Tube Elbow 7000 Ermeto® Series



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	06U-956	9/16-18	4.08	.88	2.65	.28	11/16	11/16

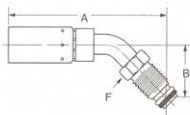
For replacement nuts and sleeves see page 299.

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



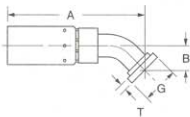
HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX/ DIA. E	HEX F
1/4	1/4	04U-684 <sup>a</sup>	7/16-20	2.98	.33	1.50	.15	9/16	9/16
1/4	5/16	04U-685 <sup>a</sup>	1/2-20	3.14	.36	1.69	.21	9/16	5/8
3/8	1/4	06U-684 <sup>a</sup>	7/16-20	3.08	.33	1.69	.15	11/16	9/16
3/8	3/8	06U-686	9/16-18	3.17	.39	1.75	.25	11/16	11/16
3/8	1/2	06U-688 <sup>a</sup>	3/4-16	3.51	.55	2.08	.25	3/4	7/8
1/2	1/2	08U-688 <sup>a</sup>	3/4-16	3.51	.55	2.08	.35	13/16	7/8
1/2	5/8	08U-690 <sup>a</sup>	7/8-14	3.76	.63	2.31	.36	13/16	1
5/8	5/8	10U-690	7/8-14	4.22	.63	2.22	.48	15/16	1
5/8	3/4	10U-692	1-1/16-12	4.37	.78	2.44	.48	15/16	1-1/4
3/4	3/4	12U-692	1-1/16-12	4.79	.78	2.64	.59	1	1-1/4
3/4	1	12U-696	1-5/16-12	5.18	1.10	3.00	.61	1-1/4	1-1/2
1	1	16U-696	1-5/16-12	5.28	1.10	3.06	.76	1-1/4	1-1/2

**Male Swivel 45° Tube Elbow O-Ring Port**



HOSE I.D.	TUBE O.D.	CATALOG NUMBER	O-RING	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/2	5/8	08U-L50	7629x7	7/8-14	4.75	1.84	3.38	.36	7/8

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



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
1/2	1/2	08U-G41	8x252	3.68	.78	2.25	.41	1.19 (30mm)	.265
3/4	3/4	12U-G42	12x252	5.00	1.00	2.88	.58	1.50 (38mm)	.265
3/4	1	12U-G46	16x252	5.00	1.00	2.88	.58	1.75 (44mm)	.315
1	1	16U-G46	16x252	4.95	1.06	2.75	.77	1.75 (44mm)	.315
1	1-1/4	16U-G50	20x252	5.00	1.06	2.80	.77	2.00 (51mm)	.315
1-1/4	1-1/4	20U-G50	20x252	5.15	1.15	2.81	1.02	2.00 (51mm)	.315

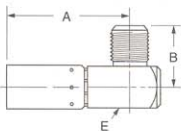
(See page 318 for Code 61 Split Flange Kits.)

†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 37° and 45° connections.

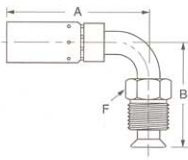
†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

**SAE 37° Male Rigid 90° Elbow**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	SQUARE E
3/8	5/8	06U-X60	7/8-14	2.50	1.10	1.06	.36	11/16
1/2	5/8	08U-X60	7/8-14	2.75	1.13	1.31	.36	3/4
3/4	5/8	12U-X60	7/8-14	4.15	1.32	2.00	.48	1-1/8

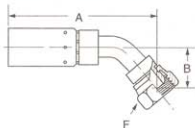
**Inverted Male Swivel 90° Tube Elbow**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/4	3/16	04U-B63	3/8-24	2.85	1.06	1.38	.12	3/8
1/4	1/4	04U-B64	7/16-24	2.89	1.36	1.38	.15	7/16
1/4	5/16	04U-B65	1/2-20	3.08	1.61	1.63	.21	1/2
3/8	1/4	06U-B64	7/16-24	2.89	1.36	1.44	.15	7/16
3/8	5/16	06U-B65	1/2-20	3.08	1.61	1.50	.21	1/2
3/8	3/8	06U-B66	5/8-18	3.40	1.97	1.88	.24	5/8
3/8	7/16	06U-B67	11/16-18	3.40	1.97	2.00	.24	11/16
1/2	1/2	08U-B68	3/4-18	3.50	2.32	2.06	.35	3/4

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

**British Standard 60°  
 Cone (BSPP) Female  
 Swivel 45° Tube Elbow**

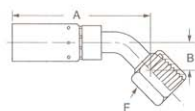


HOSE I.D.	BSPP PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/4	1/4	04U-44P	G-1/4-19*	3.69	.91	2.25	.15	3/4
3/8	3/8	06U-46P	G-3/8-19*	3.85	.90	2.44	.25	7/8
1/2	1/2	08U-48P	G-1/2-14*	3.88	.87	2.44	.33	1-1/16
5/8	5/8	10U-50P	G-5/8-14*	4.38	.98	2.44	.46	1-3/16
3/4	3/4	12U-52P	G-3/4-14*	5.53	1.31	3.38	.61	1-1/4
1	1	16U-56P	G-1-11*	5.34	1.44	3.13	.76	1-1/2
1-1/4	1-1/4	20U-60P*	G-1 1/4-11*	5.10	1.12	2.75	1.02	1-7/8

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

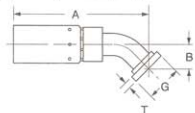
\*Part number will crimp in COCT-410-1, T-420-1 and T-440-1 presses only.

**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 F
1/4	1/4	04U-L64	9/16-18	3.14	.41	1.68	.16	11/16
1/4	3/8	04U-L66	11/16-16	3.24	.43	1.75	.16	13/16
3/8	3/8	06U-L66	11/16-16	3.26	.43	1.81	.26	13/16
3/8	1/2	06U-L68	13/16-16	3.58	.60	2.15	.26	15/16
1/2	3/8	08U-L66	11/16-16	3.32	.43	1.88	.26	13/16
1/2	1/2	08U-L68	13/16-16	3.56	.60	2.13	.36	15/16
1/2	5/8	08U-L70	1-14	3.67	.65	2.25	.36	1-1/8
5/8	5/8	10U-L70	1-14	4.13	.65	2.19	.46	1-1/8
5/8	3/4	10U-L72	1-3/16-12	4.53	.84	2.63	.48	1-3/8
3/4	5/8	12U-L70	1-14	4.49	.65	2.31	.46	1-1/8
3/4	3/4	12U-L72	1-3/16-12	4.96	.84	2.81	.59	1-3/8
3/4	1	12U-L76	1-7/16-12	5.29	.94	3.13	.76	1-5/8
1	3/4	16U-L72	1-3/16-12	4.99	.83	2.79	.56	1-3/8
1	1	16U-L76	1-7/16-12	5.29	.95	3.06	.76	1-5/8
1	1-1/4	16U-L80	1-11/16-12	5.00	1.07	2.81	.81	1-7/8
1-1/4	1-1/4	20U-L80	1-11/16-12	5.07	1.07	2.75	1.01	1-7/8

**Split Flange 45° Tube  
 Elbow - Metric  
 (Komatsu, Linkbelt, etc.)**



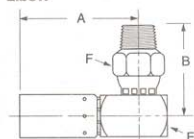
HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
5/8	16mm (5/8)	10U-G69	10x252	4.21	.94	2.25	.46	34mm (1.335)	.265



†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 37° and 45° connections.

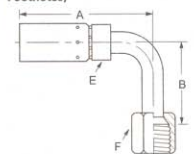
**Male Pipe Swivel 90° Elbow**



HOSE I.D.	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	HOSE CUT-OFF FACTOR†		HOLE DIA.	SQUARE E	HEX F	
				A	B				
1/4	1/4	04U-M04	1/4-18	2.43	1.79	1.00	.15	11/16	13/16
3/8	1/4	06U-M04	1/4-18	2.50	1.83	1.06	.24	11/16	13/16
3/8	3/8	06U-M06	3/8-18	2.50	1.84	1.06	.24	11/16	7/8
1/2	1/2	08U-M08	1/2-14	2.75	1.96	1.31	.35	3/4	7/8
3/4	3/4	12U-M12	3/4-14	4.15	2.46	2.00	.61	1-1/8	1-1/4

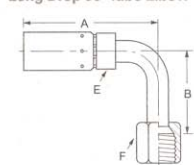
Note: Swivel for installation purposes only.  
 (Not for temperatures above 212°F)

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



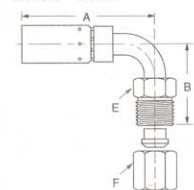
HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	HOSE CUT-OFF FACTOR†		HOLE DIA.	HEX F	
				A	B			
1/4	1/4	04U-644 <sup>a</sup>	7/16-20	2.95	1.80	1.50	.15	9/16
3/8	1/4	06U-644 <sup>a</sup>	7/16-20	2.89	1.80	1.44	.15	9/16
3/8	3/8	06U-646	9/16-18	3.18	2.18	1.75	.24	11/16
1/2	1/2	08U-648 <sup>a</sup>	3/4-16	3.33	2.43	1.88	.35	7/8
1/2	5/8	08U-650 <sup>a</sup>	7/8-14	3.45	2.57	2.00	.36	1
3/4	3/4	12U-652	1-1/16-12	4.81	3.73	2.63	.58	1-1/4
1	1	16U-656L33	1-5/16-12	5.18	3.37	3.00	.76	1-1/2

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



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	HOSE CUT-OFF FACTOR†		HOLE DIA.	HEX F	
				A	B			
3/8	3/8	06U-446	5/8-18	3.19	2.18	1.75	.24	3/4

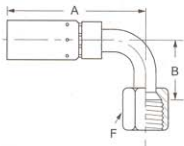
**Flareless 90° Tube 7000 Ermeto® Series**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	HOSE CUT-OFF FACTOR†		HOLE DIA.	HEX E	HEX F	
				A	B				
3/8	3/8	06U-976	9/16-18	3.14	1.54	1.69	.28	5/8	11/16

For replacement nuts and sleeves see page 299.

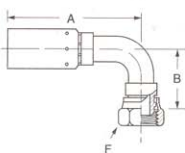
**JIC 37° Female Swivel 90° Tube Elbow**  
(Exceptions Noted, Refer to Footnotes)



HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/4	1/4	04U-664 <sup>a</sup>	7/16-20	2.90	.68	1.44	.15	9/16
1/4	5/16	04U-665 <sup>a</sup>	1/2-20	3.09	.77	1.63	.21	5/8
1/4	3/8	04U-666	9/16-18	3.16	.85	1.63	.25	11/16
3/8	1/4	06U-664 <sup>a</sup>	7/16-20	2.85	.68	1.44	.15	9/16
3/8	3/8	06U-666	9/16-18	3.20	.85	1.75	.25	11/16
3/8	1/2	06U-668 <sup>a</sup>	3/4-16	3.27	1.09	1.75	.33	7/8
1/2	1/2	08U-668 <sup>a</sup>	3/4-16	3.33	1.09	1.88	.33	7/8
1/2	5/8	08U-670 <sup>a</sup>	7/8-14	3.92	1.23	2.50	.36	1
5/8	5/8	10U-670 <sup>a</sup>	7/8-14	4.36	1.23	2.44	.46	1
5/8	3/4	10U-672	1-1/16-12	4.96	1.82	3.00	.48	1-1/4
3/4	5/8	12U-670 <sup>a</sup>	7/8-14	4.29	1.23	2.14	.46	1
3/4	3/4	12U-672	1-1/16-12	4.76	1.82	2.63	.58	1-1/4
1	1	16U-676	1-5/16-12	5.03	2.14	2.81	.76	1-1/2
1-1/4	1-1/4	20U-677 #	1-5/8-12	5.31	3.31	3.00	1.01	2

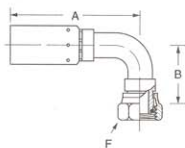
# Crimp nut style design.

**Female Swivel Universal Seat DIN 90° Tube Elbow**  
I. Rh. (Light)



HOSE ID	TUBE SIZE (MM)	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR	HOLE DIA.	HEX F
1/4	8	04U-58D	M14x1.5	2.99	1.48	1.50	.16	11/16
1/4	10	04U-60D	M16x1.5	3.31	1.65	1.81	.16	3/4
3/8	10	06U-60D	M16x1.5	3.29	1.65	1.88	.25	3/4
3/8	12	06U-62D	M18x1.5	3.31	1.65	1.88	.25	7/8
1/2	15	08U-65D	M22x1.5	3.73	1.93	2.31	.36	1-1/16
5/8	18	10U-68D	M26x1.5	4.42	2.28	2.50	.48	1-1/4
3/4	22	12U-72D	M30x2.0	4.97	2.59	2.81	.61	1-7/16
1	28	16U-78D	M36x2.0	5.10	3.11	2.88	.81	1-5/8
1-1/4	35	20U-85D	M45x2.0	5.40	3.12	3.06	1.02	2-3/16

**Female 24° Swivel DIN 90° Tube Elbow**  
s. Rh. DKO (Heavy)



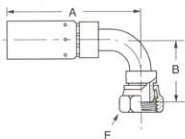
HOSE ID	TUBE SIZE (MM)	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
3/8	12	06U-62E	M20x1.5	3.25	1.53	1.82	.25	1
3/8	14	06U-64E	M22x1.5	3.61	1.63	2.19	.25	1-1/16
1/2	16	08U-66E	M24x1.5	3.69	1.95	2.25	.33	1-1/8
5/8	20	10U-70E	M30x2.0	4.46	2.47	2.50	.48	1-7/16
3/4	25	12U-75E*	M36x2.0	5.27	2.90	3.13	.61	1-5/8
1	30	16U-80E*	M42x2.0	5.19	2.79	3.00	.77	2

\*Part number will crimp in COCT-410, T-420 and T-440 presses only.  
(Includes O-ring)

†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.

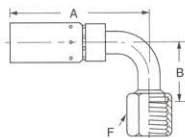
British Standard (BSPP)  
 60° Cone Female Pipe  
 Swivel 90° Tube Elbow



HOSE I.D.	BSPP PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/4	1/4	04U-74P	G-1/4-19*	2.99	1.50	1.50	.16	3/4
3/8	3/8	06U-76P	G-3/8-19*	3.26	1.60	1.83	.25	7/8
3/8	1/2	06U-78P	G-1/2-14*	3.06	1.67	1.63	.25	1-1/16
1/2	1/2	08U-78P	G-1/2-14*	3.96	1.89	2.56	.36	1-1/16
1/2	5/8	08U-80P	G-5/8-14*	3.55	1.44	2.13	.36	1-1/4
5/8	5/8	10U-80P	G-5/8-14*	4.15	1.83	2.25	.49	1-3/16
3/4	3/4	12U-82P	G-3/4-14*	5.02	2.49	2.88	.58	1-1/4
1	1	16U-86P*	G-1-11*	5.23	3.09	3.00	.77	1-1/2
1-1/4	1-1/4	20U-90P*	G-1-1/4-11*	5.56	3.51	3.25	1.51	1-7/8

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

Female FOR-SEAL®  
 Swivel Short Drop 90°  
 Elbow

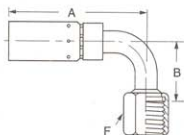


HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/4	1/4	04U-A24	9/16-18	3.00	.81	1.50	.16	11/16
1/4	3/8	04U-A26	11/16-16	3.13	.90	1.75	.16	13/16
3/8	1/4	06U-A24	9/16-18	3.00	.81	1.56	.16	11/16
3/8	3/8	06U-A26	11/16-16	3.13	.90	1.81	.26	13/16
3/8	1/2	06U-A28	13/16-16	3.33	1.15	1.88	.26	15/16
1/2	3/8	08U-A26	11/16-16	3.13	.90	1.75	.26	13/16
1/2	1/2	08U-A28	13/16-16	3.34	1.15	1.91	.36	15/16
1/2	5/8	08U-A30	1-14	3.46	1.27	2.03	.36	1-1/8
1/2	3/4	08U-A32	1-3/16-12	3.98	1.88	2.56	.36	1-3/8
5/8	5/8	10U-A30	1-14	3.92	1.27	2.00	.46	1-1/8
5/8	3/4	10U-A32	1-3/16-12	4.37	1.88	2.44	.46	1-3/8
3/4	5/8	12U-A30	1-14	4.26	1.27	2.13	.46	1-1/8
3/4	3/4	12U-A32	1-3/16-12	4.86	1.88	2.69	.59	1-3/8
3/4	1	12U-A36	1-7/16-12	5.13	2.21	3.00	.61	1-5/8
1	1	16U-A36	1-7/16-12	5.23	2.21	3.00	.76	1-5/8
1	1-1/4	16U-A40	1-11/16-12	5.24	2.51	3.00	.81	1-7/8
1-1/4	1-1/4	20U-A40	1-11/16-12	5.31	2.51	3.00	1.02	1-7/8
1-1/4	1-1/2	20U-A44	2-12	5.31	2.55	3.00	1.02	2-1/4

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

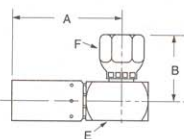
‡ Swivel nuts are universal – both SAE 45° and 37° connections.

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



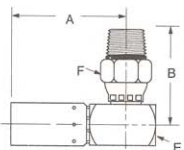
HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/4	1/4	04U-J34	9/16-18	3.07	1.26	1.59	.16	11/16
1/4	3/8	04U-J36	11/16-16	3.13	1.51	1.69	.16	13/16
1/4	1/2	04U-J38	13/16-16	3.37	1.62	1.88	.16	15/16
3/8	3/8	06U-J36	11/16-16	3.20	1.51	1.69	.24	13/16
3/8	1/2	06U-J38	13/16-16	3.36	1.62	1.93	.25	15/16
1/2	3/8	08U-J36	11/16-16	3.20	1.51	1.72	.24	13/16
1/2	1/2	08U-J38	13/16-16	3.37	1.62	1.94	.33	15/16
1/2	3/4	08U-J42	1-3/16-12	4.02	2.28	2.59	.36	1-3/8
5/8	5/8	10U-J40	1-1/4	4.29	1.85	2.13	.46	1-1/8
3/4	5/8	12U-J40	1-1/4	3.95	1.85	2.00	.46	1-1/8
3/4	3/4	12U-J42	1-3/16-12	4.83	2.28	2.69	.58	1-3/8
1	1	16U-J46	1-7/16-12	5.33	2.78	3.13	.76	1-5/8
1	1-1/4	16U-J50	1-11/16-12	5.24	3.01	3.04	.81	1-7/8
1-1/4	1-1/4	20U-J50	1-11/16-12	5.31	3.09	3.00	1.01	1-7/8

**JIC 37° Female Swivel 90°  
 Elbow**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	SQUARE E	HEX F
1/4	1/4	04U-554	7/16-20	2.43	1.06	.95	.16	11/16	9/16
3/8	3/8	06U-556	9/16-18	2.50	1.18	1.06	.25	11/16	11/16
1/2	1/2	08U-558	3/4-16	2.75	1.35	1.31	.36	3/4	7/8
1/2	5/8	08U-560	7/8-14	2.75	1.34	1.31	.36	3/4	1
3/4	5/8	12U-560	7/8-14	4.15	1.54	2.00	.61	1-1/8	1
3/4	3/4	12U-562	1-1/16-12	4.15	1.62	2.00	.61	1-1/8	1-1/4
3/4	7/8	12U-564	1-3/16-12	4.15	1.68	2.00	.61	1-1/8	1-3/8

**Male Straight Thread  
 O-Ring Swivel 90° Elbow**



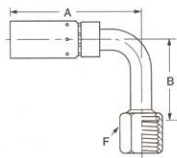
HOSE I.D.	PORT SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	SQUARE E	HEX F
1/4	3/8	04U-R66	9/16-18	2.43	1.68	.94	.16	11/16	7/8
3/8	3/8	06U-R66	9/16-18	2.50	1.68	1.06	.25	11/16	7/8
3/8	1/2	06U-R68	3/4-16	2.50	1.64	1.06	.25	11/16	7/8
3/8	5/8	06U-R70	7/8-14	2.50	1.80	1.06	.25	11/16	1
1/2	1/2	08U-R68	3/4-16	2.75	1.64	1.31	.36	3/4	7/8
1/2	5/8	08U-R70	7/8-14	2.75	1.79	1.31	.36	3/4	1-1/8
1/2	3/4	08U-R72	1-1/16-12	2.75	1.89	1.31	.36	3/4	1-1/4
3/4	3/4	12U-R72	1-1/16-12	4.15	2.24	2.00	.61	1-1/8	1-7/16

(Includes O-ring. For replacement O-ring, see page 254.)  
 Note: Swivel for installation purposes only.  
 (Not for temperatures above 212°F)

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

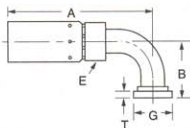
†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

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



HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/4	1/4	04U-A64	9/16-18	3.14	1.80	1.63	.16	11/16
1/4	3/8	04U-A66	11/16-16	3.31	2.13	1.83	.16	13/16
3/8	3/8	06U-A66	11/16-16	3.34	2.13	1.91	.24	13/16
3/8	1/2	06U-A68	13/16-16	3.37	2.51	1.94	.25	15/16
1/2	1/2	08U-A68	13/16-16	3.28	2.51	1.85	.36	15/16
1/2	5/8	08U-A70	1-14	3.49	2.76	2.00	.36	1-1/8
5/8	5/8	10U-A70	1-14	3.95	2.76	2.06	.46	1-1/8
3/4	3/4	12U-A72	1-3/16-12	4.87	3.78	2.72	.59	1-3/8
1	1	16U-A76	1-7/16-12	5.34	4.50	3.13	.76	1-5/8
1-1/4	1-1/4	20U-A80	1-11/16-12	5.31	5.09	3.00	1.01	1-7/8
1-1/4	1-1/2	20U-A84	2-12	5.31	5.54	3.00	1.01	2-1/4

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

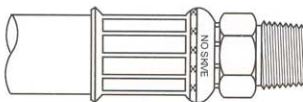


HOSE ID	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T
1/2	1/2	08U-G71	8x252	3.63	1.63	2.19	.41	1.19 (30mm)	.265
3/4	3/4	12U-G72	12x252	4.75	2.13	2.63	.58	1.50 (38mm)	.265
3/4	1	12U-G76	16x252	4.78	2.13	2.56	.58	1.75 (44mm)	.315
1	1	16U-G76	16x252	5.39	2.38	3.19	.77	1.75 (44mm)	.315
1	1-1/4	16U-G80	20x252	5.39	2.38	3.19	.77	2.00 (51mm)	.315
1-1/4	1-1/4	20U-G80	20x252	5.29	2.62	3.00	1.02	2.00 (51mm)	.315
1-1/4	1-1/2	20U-G84	24x252	5.29	2.68	3.00	1.02	2.38 (60mm)	.315

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

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

Hose End 430 'U' Series



⚠ Refer to important safety information on page 3.

**Typical Application:** Very high pressure hydraulic lines subjected to pressure surges and flexing. Some applications include mining, construction, farming, and high performance industrial equipment.

**Compatible Hose:** H039; H115; H145; H245; H425; H350; H430

**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:** Excellent selection of no-skive hose ends. Can be used with Caterpillar, John Deere, and many major manufacturers of heavy equipment.

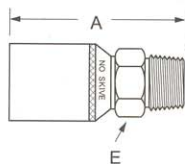
**Assemble With:** T-410-1 Coll-O-Crimp II, T-420-1 Coll-O-Crimp Super I, T-440-1 Coll-O-Crimp II Plus or T-480.

**Ordering Information:** Order individually by catalog number. O-rings not supplied with split flange hose ends. Order o-rings by catalog number; reference individual hose end listings for details.

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

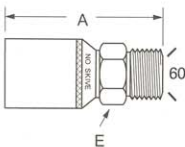
**Label Set:** FS-3100

Male Pipe (NPTF) Rigid



HOSE I.D.	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR	HOLE DIA.	HEX E
1/2	1/2	43008U-108	1/2-14	3.56	1.69	.34	7/8
1/2	3/4	43008U-112	3/4-14	3.29	1.38	.34	1-1/16
3/4	3/4	43012U-112	3/4-14	3.68	1.69	.61	1-1/16
3/4	1	43012U-116	1-11-1/2	3.77	1.75	.61	1-3/8
1	3/4	43016U-112	3/4-14	3.86	1.81	.71	1-1/4
1	1	43016U-116	1-11-1/2	4.05	2.00	.81	1-3/8
1	1-1/4	43016U-120	1-1/4-11-1/2	4.08	2.06	.81	1-11/16
1-1/4	1-1/4	43020U-120	1-1/4-11-1/2	4.58	2.31	1.02	1-11/16
1-1/2	1-1/2	43024U-124	1-1/2-11-1/2	4.87	2.38	1.25	2
2	2	43032U-132	2-11-1/2	5.51	2.69	1.69	2-1/2

British Standard 60° Cone (BSPP) Male Pipe Rigid



HOSE I.D.	BSPP PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR	HOLE DIA.	HEX E
3/4	3/4	43012U-P62	G-3/4-14*	3.56	1.56	.61	1-1/8
1	1	43016U-P66	G-1-11*	3.73	1.69	.81	1-3/8
1-1/4	1-1/4	43020U-P67	G-1-1/4-11*	4.41	2.13	1.02	1-3/4

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

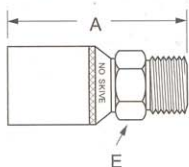
# COLL-CRIMP

## 430 'U' 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 37° and 45° connections.

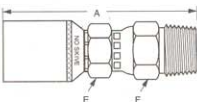
### FOR-SEAL® Male Rigid



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR <sup>†</sup>	HOLE DIA.	HEX E
1/2	1/2	43008U-E68	13/16-16	3.24	1.31	.34	7/8
3/4	3/4	43012U-E72	1-3/16-12	3.57	1.56	.61	1-1/4
1	1	43016U-E76	1-7/16-12	3.55	1.50	.81	1-1/2
1-1/4	1-1/4	43020U-E80	1-11/16-12	3.90	1.56	1.04	1-3/4

Does not include O-Ring. See page 267 for O-Ring.

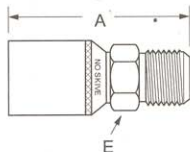
### Male Pipe Swivel



HOSE I.D.	PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR <sup>†</sup>	HOLE DIA.	HEX E	HEX F
1	1	43016U-J16	1-11	5.02	3.00	.78	1-1/4	1-3/8

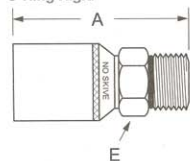
Note: Swivel for installation purposes only.  
(Not for temperatures above 212°F)

### SAE 37° Male Rigid



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR <sup>†</sup>	HOLE DIA.	HEX E
1/2	1/2	43008U-508	3/4-16	3.50	1.63	.34	7/8
1/2	5/8	43008U-510	7/8-14	3.30	1.38	.34	1
3/4	3/4	43012U-512	1-1/16-12	3.74	1.75	.61	1-1/8
3/4	7/8	43012U-514	1-3/16-12	3.81	1.81	.61	1-1/4
3/4	1	43012U-516	1-5/16-12	4.02	2.06	.61	1-3/8
1	1	43016U-516	1-5/16-12	4.02	2	.81	1-3/8
1	1-1/4	43016U-520	1-5/8-12	3.84	1.81	.81	1-11/16
1-1/4	1-1/4	43020U-520	1-5/8-12	4.57	2.31	1.02	1-11/16
1-1/2	1-1/2	43024U-524	1-7/8-12	4.95	2.50	1.25	2
2	2	43032U-532	2-1/2-12	5.57	2.75	1.69	2-5/8

### Male Straight Thread O-Ring Rigid



HOSE I.D.	PORT SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR <sup>†</sup>	HOLE DIA.	HEX E
1	1	43016U-P16	1-5/16-12	3.45	1.44	.81	1-1/2

(Includes O-Ring)  
For replacement O-Ring see page 254



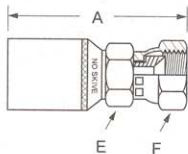
# COLLO CRIMP

## 430 'U' Series

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

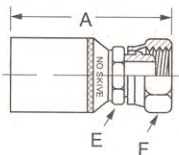
‡ Swivel nuts are universal – both SAE 45° and 37° connections.

### JIC 37° Female Swivel (Refer to Footnotes)



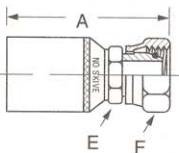
HOSE LD	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/2	3/8	43008U-606	9/16-18	3.56	1.69	.34	13/16	11/16
1/2	1/2	43008U-608 <sup>‡</sup>	3/4-16	3.67	1.75	.34	13/16	7/8
1/2	5/8	43008U-610 <sup>‡</sup>	7/8-14	3.72	1.81	.34	13/16	1
1/2	3/4	43008U-612	1-1/16-12	3.76	1.88	.34	1	1-1/4
3/4	3/4	43012U-612	1-1/16-12	4.08	2.06	.61	1	1-1/4
3/4	7/8	43012U-614	1-3/16-12	3.90	1.88	.61	1-1/4	1-3/8
3/4	1	43012U-616	1-5/16-12	4.01	2.00	.61	1-1/4	1-1/2
1	3/4	43016U-612	1-1/16-12	4.19	2.19	.61	1-1/4	1-1/4
1	1	43016U-616	1-5/16-12	4.28	2.25	.81	1-1/4	1-1/2
1	1-1/4	43016U-620	1-5/8-12	4.12	2.06	.81	1-5/8	2
1-1/4	1-1/4	43020U-620	1-5/8-12	4.87	2.63	1.02	1-11/16	2
1-1/4	1-1/2	43020U-624	1-7/8-12	5.03	2.75	1.02	1-7/8	2-1/4
1-1/2	1-1/2	43024U-624	1-7/8-12	5.29	2.81	1.25	2	2-1/4
2	2	43032U-632	2-1/2-12	6.04	3.25	1.69	2-1/2	3

### Female Swivel DIN Universal Seat l. Rh. (Light) (DIN 3901/3902)



HOSE LD	TUBE SIZE (MM)	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
3/4	22	43012U-22C	M30x2.0	4.12	2.13	.61	1-1/8	1-7/16

### Female Swivel DIN 24° Seat s. Rh. DKO (Heavy)

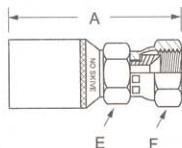


HOSE LD	TUBE SIZE (MM)	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
3/4	20	43012U-70C	M30x2.0	3.68	1.69	.61	1-1/8	1-7/16
3/4	25	43012U-75C	M36x2.0	4.14	2.13	.61	1-1/4	1-5/8
1	30	43016U-80C	M42x2.0	4.07	2.00	.81	1-5/8	2
1-1/4	30	43020U-80C	M42x2.0	4.32	2.00	1.02	1-5/8	2

(Includes O-Ring)

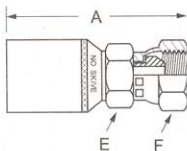
†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

**Female Swivel 30° Flare Metric Thread**  
(Komatsu, Linkbelt, etc.)



HOSE I.D.	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/2	43008U-22K	M22x1.5	3.72	1.81	.34	7/8	1
3/4	43012U-30K	M30x1.5	3.96	1.94	.61	1-1/8	1-3/8
1	43016U-33K	M33x1.5	4.27	2.25	.81	1-1/4	1-1/2
1-1/4	43020U-36K	M36x1.5	5.19	2.88	.92	1-5/8	1-3/4

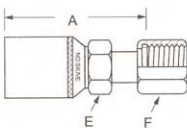
**British Standard (BSPP) 60° Cone Female Pipe Swivel**



HOSE I.D.	BSP PIPE SIZE	CATALOG NUMBER	THREAD SIZE	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX E	HEX F
1/2	1/2	43008U-358	G-1/2-14*	3.78	1.88	.34	7/8	1-1/16
3/4	3/4	43012U-362	G-3/4-14*	4.09	2.06	.61	1	1-1/4
1	1	43016U-366	G-1-11*	4.29	2.25	.81	1-1/4	1-1/2
1-1/4	1-1/4	43020U-370	G-1-1/4-11*	4.76	2.50	1.02	1-5/8	1-7/8

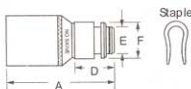
\*G As Part of Thread Size is ISO Designated for Parallel Thread.

**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
1/2	1/2	43008U-S68	13/16-16	3.75	1.88	.34	13/16	15/16
1/2	5/8	43008U-S70	1-1/4	3.86	2.00	.34	13/16	1-1/8
3/4	5/8	43012U-S70	1-1/4	4.06	2.06	.45	1	1-1/8
3/4	3/4	43012U-S72	1-3/16-12	4.16	2.19	.55	1	1-3/8
3/4	1	43012U-S76	1-7/16-12	4.15	2.13	.55	1	1-5/8
1	1	43016U-S76	1-7/16-12	4.68	2.69	.76	1-1/4	1-5/8
1	1-1/4	43016U-S80	1-11/16-12	4.33	2.31	.81	1-1/2	1-7/8
1-1/4	1-1/4	43020U-S80	1-11/16-12	4.51	2.25	1.02	1-5/8	1-7/8
1-1/2	1-1/2	43024U-S84	2-12	4.77	2.31	1.25	2	2-1/4

**READY LOK® Male Connector**  
(For Deep Mining Markets)

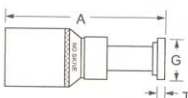


HOSE I.D.	CONNECTION SIZE	CATALOG NUMBER	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	LENGTH D	DIA. E	DIA. F
1/2	1/2	43008U-08S	3.31	1.43	.34	.94	.70	.94
3/4	3/4	43012U-12S	3.53	1.50	.61	1.14	.94	1.14
1	1	43016U-16S	3.76	1.75	.81	1.34	1.21	1.53
1-1/4	1-1/4	43020U-20S	4.01	1.75	1.02	1.34	1.49	1.80
1-1/2	1-1/2	43024U-24S	5.06	2.59	1.25	2.51	1.85	2.17

(For Ready-Lok® Staple, O-Ring and backup ring reference page 316.)

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

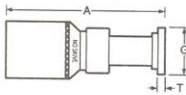
**Split Flange Straight**  
(SAE Code 61)



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
1/2	1/2	43008U-G08	8x252	4.18	2.25	.34	1.19 (30mm)	.265
1/2	3/4	43008U-G12	12x252	4.24	2.31	.34	1.50 (38mm)	.265
3/4	3/4	43012U-G12	12x252	4.16	2.13	.56	1.50 (38mm)	.265
3/4	1	43012U-G16	16x252	4.16	2.13	.56	1.75 (44mm)	.315
3/4	1-1/4	43012U-G20	20x252	4.16	2.13	.56	2.00 (51mm)	.315
1	1	43016U-G16	16x252	4.40	2.38	.76	1.75 (44mm)	.315
1	1-1/4	43016U-G20	20x252	4.40	2.38	.76	2.00 (51mm)	.315
1	1-1/2	43016U-G24	24x252	4.46	2.44	.76	2.38 (60mm)	.315
1-1/4	1-1/4	43020U-G20	20x252	5.01	2.75	1.02	2.00 (51mm)	.315
1-1/4	1-1/2	43020U-G24	24x252	5.07	2.81	1.02	2.38 (60mm)	.315
1-1/4	1-1/2	43020U-G24L64	24x252	9.60	7.31	1.01	2.38 (60mm)	.315
1-1/4	2	43020U-G32	32x252	5.13	2.88	1.02	2.81 (71mm)	.375
1-1/2	1-1/2	43024U-G24	24x252	5.63	3.13	1.25	2.38 (60mm)	.315
1-1/2	2	43024U-G32	32x252	5.83	3.31	1.25	2.81 (71mm)	.375
2	1-1/2	43032U-G24	24x252	6.23	3.38	1.56	2.38 (60mm)	.315
2	2	43032U-G32	32x252	6.08	3.25	1.56	2.81 (71mm)	.375

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

**Split Flange Straight**  
(SAE Code 62)



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
1/2	1/2	43008U-D08	8x252	4.25	2.38	.34	1.25 (32mm)	.345
1/2	3/4	43008U-D12	12x252	4.27	2.38	.34	1.62 (41mm)	.345
3/4	3/4	43012U-D12	12x252	4.19	2.19	.56	1.62 (41mm)	.345
3/4	1	43012U-D16	16x252	4.22	2.19	.56	1.88 (48mm)	.375
1	1	43016U-D16	16x252	4.46	2.44	.76	1.88 (48mm)	.375
1	1-1/4	43016U-D20	20x252	4.49	2.44	.76	2.12 (54mm)	.405
1-1/4	1-1/4	43020U-D20	20x252	5.10	2.81	1.02	2.12 (54mm)	.405
1-1/4	1-1/2	43020U-D24	24x252	5.21	2.94	1.02	2.50 (64mm)	.495
1-1/2	1-1/2	43024U-D24	24x252	5.63	3.13	1.25	2.50 (64mm)	.495
2	2	43032U-D32	32x252	7.18	4.38	1.56	3.12 (79mm)	.495

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

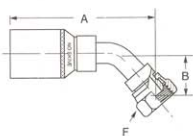
# COLL-CRIMP

## 430 'U' 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 37° and 45° connections.

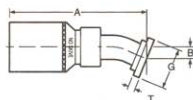
### British Standard 60° Cone (BSPP) Female Swivel 45° Tube Elbow



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
3/4	3/4	43012U-52P	G-3/4-14*	5.33	1.24	3.31	.56	1-1/4
1	1	43016U-56P	G-1-11*	5.08	1.36	3.06	.76	1-1/2

\*G as part of Thread is ISO Designation for Parallel Thread.

### Split Flange 22-1/2° Tube Elbow (SAE Code 61)

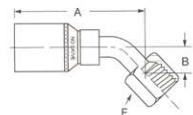


HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINA
1/2	1/2	43008U-H01	8x252	4.45	.38	2.56	.34	1.19 (30mm)	.265
1/2	3/4	43008U-H02	12x252	4.50	.40	2.63	.34	1.50 (38mm)	.265
3/4	3/4	43012U-H02	12x252	4.81	.44	2.81	.56	1.50 (38mm)	.265
3/4	1	43012U-H03	16x252	4.81	.44	2.81	.56	1.75 (44mm)	.315
1	1	43016U-H03	16x252	5.09	.45	3.06	.76	1.75 (44mm)	.315
1	1-1/4	43016U-H04	20x252	5.09	.45	3.06	.76	2.00 (51mm)	.315
1-1/4	1-1/4	43020U-H04	20x252	5.16	.50	2.88	1.02	2.00 (51mm)	.315
1-1/4	1-1/2	43020U-H05	24x252	5.21	.52	2.94	1.02	2.38 (60mm)	.315
1-1/2	1-1/2	43024U-H05	24x252	6.09	.67	3.63	1.25	2.38 (60mm)	.315
1-1/2	2	43024U-H06	32x252	6.18	.72	3.72	1.25	2.81 (71mm)	.375
2	2	43032U-H06	32x252	7.67	.94	4.88	1.56	2.81 (71mm)	.375

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

### JIC 37° Female Swivel 45° Tube Elbow

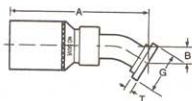
(Refer to Footnotes)



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/2	1/2	43008U-688 <sup>a</sup>	3/4-16	4.08	.55	2.19	.34	7/8
1/2	5/8	43008U-690 <sup>a</sup>	7/8-14	4.28	.63	2.38	.34	1
3/4	3/4	43012U-692	1-1/16-12	4.70	.78	2.69	.56	1-1/4
1	1	43016U-696	1-5/16-12	5.67	1.53	3.84	.76	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.

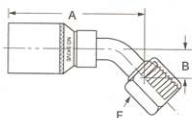
**Split Flange 30° Tube Elbow (SAE Code 61)**



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	HOSE CUT-OFF FACTOR†		HOLE DIA.	DIA. G	T NOMINAL	
				A	B				
1/2	1/2	43008U-H21	8x252	4.40	.50	2.50	.34	1.19 (30mm)	.265
1/2	3/4	43008U-H22	12x252	4.45	.53	2.56	.34	1.50 (38mm)	.265
3/4	3/4	43012U-H22	12x252	4.75	.59	2.75	.56	1.50 (38mm)	.265
3/4	1	43012U-H23	16x252	4.75	.59	2.75	.56	1.75 (44mm)	.315
1	1	43016U-H23	16x252	5.09	.64	3.06	.76	1.75 (44mm)	.315
1	1-1/4	43016U-H24	20x252	5.01	.64	3.00	.76	2.00 (51mm)	.315
1-1/4	1-1/4	43020U-H24	20x252	5.33	.72	3.06	1.02	2.00 (51mm)	.315
1-1/4	1-1/2	43020U-H25	24x252	5.38	.75	3.13	1.02	2.38 (60mm)	.315
1-1/2	1-1/2	43024U-H25	24x252	6.33	.91	3.81	1.25	2.38 (60mm)	.315
1-1/2	2	43024U-H26	32x252	6.50	1.01	4.00	1.25	2.81 (71mm)	.375
2	2	43032U-H26	32x252	7.88	1.31	5.44	1.56	2.81 (71mm)	.375

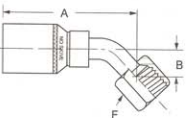
(For Split Flange Kits, see page 317-320.)

**Female FOR-SEAL® Swivel 45° Tube Elbow**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	HOSE CUT-OFF FACTOR†		HOLE DIA.	HEX F
				A	B		
1/2	1/2	43008U-L68	13/16-16	4.16	.59	2.25	.34 15/16
1/2	5/8	43008U-L70	1-14	4.48	.65	2.56	.34 1-1/8
3/4	3/4	43012U-L72	1-3/16-12	4.80	.84	2.81	.56 1-3/8
1	1	43016U-L76	1-7/16-12	5.11	.95	3.06	.76 1-5/8
1-1/4	1-1/4	43020U-L80	1-11/16-12	4.97	1.07	2.75	1.01 1-7/8
1-1/2	1-1/2	43024U-L84	2-12	5.98	1.07	3.50	1.25 2-1/4

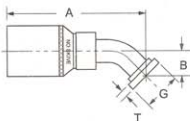
**JIC 37° Female Swivel 60° Tube Elbow**



HOSE I.D.	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	HOSE CUT-OFF FACTOR†		HOLE DIA.	HEX F
				A	B		
1/2	5/8	43008U-C60	7/8-14	4.48	1.00	2.63	.34 1
3/4	3/4	43012U-C62	1-1/16-12	5.12	1.71	3.13	.56 1-1/4
1	1	43016U-C66	1-5/16-12	5.74	1.53	3.69	.76 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.

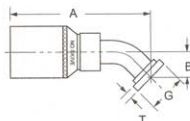
Split Flange 45° Tube Elbow (SAE Code 61)



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	HOSE CUT-OFF FACTOR		HOLE DIA.	DIA. G	T NOMINAL	
				A	B				
1/2	1/2	43008U-G41	8x252	4.51	.78	2.63	.34	1.19 (30mm)	.265
1/2	3/4	43008U-G42	12x252	4.55	.82	2.63	.34	1.50 (38mm)	.265
1/2	1	43008U-G46	16x252	4.86	.82	3.00	.34	1.75 (44mm)	.315
3/4	3/4	43012U-G42	12x252	4.92	1.00	2.94	.56	1.50 (38mm)	.265
3/4	1	43012U-G46	16x252	4.92	1.00	2.94	.56	1.75 (44mm)	.315
1	1	43016U-G46	16x252	4.82	1.06	2.81	.76	1.75 (44mm)	.315
1	1-1/4	43016U-G50	20x252	4.82	1.06	2.81	.76	2.00 (51mm)	.315
1-1/4	1-1/4	43020U-G50	20x252	5.10	1.15	2.81	1.01	2.00 (51mm)	.315
1-1/4	1-1/2	43020U-G54	24x252	5.14	1.19	2.88	1.01	2.38 (60mm)	.315
1-1/2	1-1/2	43024U-G54	24x252	6.32	1.41	3.84	1.25	2.38 (60mm)	.315
1-1/2	2	43024U-G62	32x252	6.46	1.55	4.00	1.25	2.81 (71mm)	.375
2	2	43032U-G62	32x252	8.34	2.08	5.50	1.56	2.81 (79mm)	.375

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

Split Flange 45° Tube Elbow (SAE Code 62)



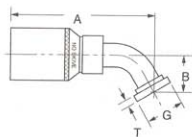
HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	HOSE CUT-OFF FACTOR		HOLE DIA.	DIA. G	T NOMINAL	
				A	B				
1/2	1/2	43008U-D41	8x252	4.82	.94	2.94	.34	1.25 (32mm)	.345
1/2	3/4	43008U-D42	12x252	4.82	1.00	2.94	.34	1.62 (41mm)	.345
3/4	3/4	43012U-D42	12x252	5.19	1.27	3.19	.56	1.62 (41mm)	.345
3/4	1	43012U-D46	16x252	5.21	1.29	3.19	.56	1.88 (48mm)	.375
1	1	43016U-D46	16x252	5.57	1.34	3.56	.76	1.88 (48mm)	.375
1	1-1/4	43016U-D50	20x252	5.56	1.44	3.50	.76	2.12 (54mm)	.405
1-1/4	1-1/4	43020U-D50	20x252	6.60	1.68	4.31	1.01	2.12 (54mm)	.405
1-1/4	1-1/2	43020U-D54	24x252	6.67	1.75	4.38	1.01	2.50 (64mm)	.495
1-1/2	1-1/2	43024U-D54	24x252	7.25	1.86	4.75	1.25	2.50 (64mm)	.495
2	2	43032U-D62	32x252	8.74	2.25	5.94	1.56	3.12 (79mm)	.495

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



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

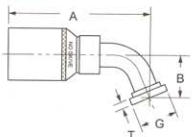
Split Flange 60° Tube Elbow (SAE Code 61)



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	HOSE CUT-OFF FACTOR†		HOLE DIA.	DIA. G	T NOMINAL	
				A	B				
1/2	1/2	43008U-H51	8x252	4.59	1.05	2.69	.34	1.19 (30mm)	.265
1/2	3/4	43008U-H52	12x252	4.62	1.10	2.75	.34	1.50 (38mm)	.265
3/4	3/4	43012U-H52	12x252	4.98	1.38	2.94	.56	1.50 (38mm)	.265
3/4	1	43012U-H53	16x252	4.98	1.38	2.94	.56	1.75 (44mm)	.315
1	1	43016U-H53	16x252	5.47	1.51	3.44	.76	1.75 (44mm)	.315
1	1-1/4	43016U-H54	20x252	5.58	1.51	3.56	.76	2.00 (51mm)	.315
1-1/4	1-1/4	43020U-H54	20x252	5.57	1.69	3.31	1.01	2.00 (51mm)	.315
1-1/4	1-1/2	43020U-H55	24x252	5.60	1.74	3.31	1.01	2.38 (60mm)	.315
1-1/2	1-1/2	43024U-H55	24x252	6.51	2.08	4.00	1.25	2.38 (60mm)	.315
1-1/2	2	43024U-H56	32x252	6.61	2.25	4.13	1.25	2.81 (71mm)	.375
2	2	43032U-H56	32x252	8.50	3.00	5.69	1.56	2.81 (71mm)	.375

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

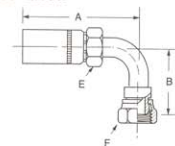
Split Flange 67-1/2° Tube Elbow (SAE Code 61)



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	HOSE CUT-OFF FACTOR†		HOLE DIA.	DIA. G	T NOMINAL	
				A	B				
1/2	1/2	43008U-H61	8x252	4.40	1.25	2.50	.34	1.19 (30mm)	.265
1/2	3/4	43008U-H62	12x252	4.46	1.25	2.56	.34	1.50 (38mm)	.265
1/2	1	43008U-H63	16x252	4.69	1.25	2.81	.34	1.75 (44mm)	.315
3/4	3/4	43012U-H62	12x252	4.99	1.59	3.00	.56	1.50 (38mm)	.265
3/4	1	43012U-H63	16x252	4.99	1.59	3.00	.56	1.75 (44mm)	.315
3/4	1-1/4	43012U-H64	20x252	4.99	1.59	3.00	.56	2.00 (51mm)	.315
1	1	43016U-H63	16x252	5.25	1.76	3.19	.76	1.75 (44mm)	.315
1	1-1/4	43016U-H64	20x252	5.25	1.76	3.19	.76	2.00 (51mm)	.315
1-1/4	1-1/4	43020U-H64	20x252	5.55	1.94	3.25	1.01	2.00 (51mm)	.315
1-1/4	1-1/2	43020U-H65	24x252	5.57	2.00	3.30	1.01	2.38 (60mm)	.315
1-1/2	1-1/2	43024U-H65	24x252	6.50	2.40	4.00	1.25	2.38 (60mm)	.315
1-1/2	2	43024U-H66	32x252	6.58	2.58	4.13	1.25	2.81 (71mm)	.375
2	2	43032U-H66	32x252	8.39	3.40	5.56	1.56	2.81 (71mm)	.375

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

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



HOSE I.D.	BSPP SIZE	CATALOG NUMBER	THREAD SIZE	HOSE CUT-OFF FACTOR†		HOLE DIA.	HEX E	HEX F	
				A	B				
3/4	3/4	43012U-82P	G-3/4-14*	4.58	2.46	2.97	.56	1-1/8	1-1/4
1	1	43016U-86P	G-1-11*	5.05	3.09	3.03	.76	1-1/4	1-1/2

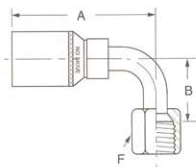
\*G As Part of Thread Size is ISO Designation for Parallel Thread.



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

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

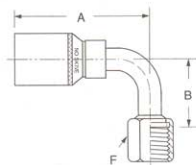
**JIC 37° Female Swivel 90° Tube Elbow**  
(Refer to Footnotes)



HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/2	1/2	43008U-648L36 <sup>a</sup>	3/4-16	4.04	3.60	2.13	.34	7/8
1/2	1/2	43008U-648L45 <sup>a</sup>	3/4-16	4.04	4.50	2.13	.34	7/8
1/2	1/2	43008U-668 <sup>a</sup>	3/4-16	3.85	1.09	1.94	.34	7/8
1/2	5/8	43008U-650 <sup>a</sup>	7/8-14	4.14	2.57	2.25	.34	1
1/2	5/8	43008U-670 <sup>a</sup>	7/8-14	4.11	1.23	2.19	.34	1
3/4	3/4	43012U-652	1-1/16-12	4.65	3.62	2.63	.56	1-1/4
3/4	3/4	43012U-672	1-1/16-12	4.65	2.50	2.63	.56	1-1/4
1	1	43016U-656L33	1-5/16-12	5.00	3.37	3.00	.76	1-1/2
1	1	43016U-656L56	1-5/16-12	5.00	5.62	3.00	.76	1-1/2
1	1	43016U-676	1-5/16-12	5.27	3.00	3.25	.76	1-1/2
1	1	43016U-676L22	1-5/16-12	4.83	2.22	2.81	.76	1-1/2
1-1/4	1-1/4	43020U-677 <sup>+</sup>	1-5/8-12	5.21	3.31	3.00	1.01	2
1-1/2	1-1/2	43024U-678 <sup>+</sup>	1-7/8-12	6.11	3.95	3.62	1.19	2-1/4

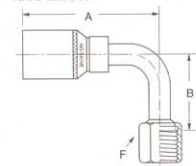
<sup>+</sup>Crimp style swivel nut.

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



HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/2	1/2	43008U-A28	13/16-16	3.90	1.15	2.00	.34	15/16
1/2	5/8	43008U-A30	1-14	4.21	1.27	2.31	.34	1-1/8
3/4	5/8	43012U-A30	1-14	4.24	1.27	2.25	.46	1-1/8
3/4	3/4	43012U-A32	1-3/16-12	4.78	1.88	2.75	.56	1-3/8
1	1	43016U-A36	1-7/16-12	4.95	2.21	2.93	.76	1-5/8
1-1/4	1-1/4	43020U-A40	1-11/16-12	5.26	2.51	3.00	1.02	1-7/8
1-1/4	1-1/2	43020U-A44	2-12	5.26	2.55	3.00	1.01	2-1/4
1-1/2	1-1/2	43024U-A44	2-12	6.11	2.70	3.63	1.25	2-1/4

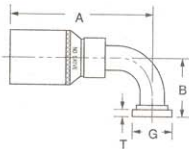
**Female FOR-SEAL® Swivel Long Drop 90° Tube Elbow**



HOSE ID	TUBE SIZE	CATALOG NUMBER	THREAD SIZE	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	HEX F
1/2	1/2	43008U-A68	13/16-16	4.32	2.51	2.44	.34	15/16
1/2	5/8	43008U-A70	1-14	4.61	2.76	2.75	.34	1-1/8
3/4	3/4	43012U-A72	1-3/16-12	4.73	3.78	2.75	.56	1-3/8
1	1	43016U-A76	1-7/16-12	5.16	4.50	3.13	.76	1-5/8
1-1/4	1-1/4	43020U-A80	1-11/16-12	5.26	5.09	3.00	1.01	1-7/8
1-1/4	1-1/2	43020U-A84	2-12	5.26	5.54	3.00	1.01	2-1/4
1-1/2	1-1/2	43024U-A84	2-12	6.11	5.54	3.63	1.25	2-1/4

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

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

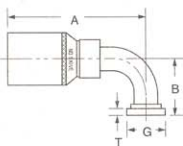


HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR	HOLE DIA.	DIA. G	T
1/2	1/2	43008U-G71	8x252	4.18	1.63	2.25	.34	1.19 (30mm)	.265
1/2	1/2	43008U-G71L32	8x252	4.04	3.20	2.13	.34	1.19 (30mm)	.265
1/2	3/4	43008U-G72	12x252	4.53	1.68	2.63	.34	1.50 (38mm)	.265
1/2	1	43008U-G76	16x252	4.63	1.68	2.75	.34	1.75 (44mm)	.315
3/4	3/4	43012U-G72	12x252	4.65	2.12	2.63	.56	1.50 (38mm)	.265
3/4	3/4	43012U-G72L37	12x252	4.65	3.75	2.63	.56	1.50 (38mm)	.265
3/4	3/4	43012U-G72L50	12x252	4.74	5.00	2.75	.56	1.50 (38mm)	.265
3/4	1	43012U-G76	16x252	4.65	2.12	2.63	.56	1.75 (44mm)	.315
3/4	1	43012U-G76L31	16x252	4.65	3.12	2.63	.56	1.75 (44mm)	.315
3/4	1-1/4	43012U-G80	20x252	5.65	2.12	3.63	.56	2.00 (51mm)	.315
1	1	43016U-G76	16x252	5.21	2.38	3.19	.76	1.75 (44mm)	.315
1	1	43016U-G76L21	16x252	5.06	2.12	3.06	.76	1.75 (44mm)	.315
1	1	43016U-G76L46	16x252	5.15	4.62	3.13	.76	1.75 (44mm)	.315
1	1-1/4	43016U-G80	20x252	5.21	2.38	2.94	.76	2.00 (51mm)	.315
1	1-1/4	43016U-G80L46	20x252	5.12	4.62	3.13	.76	2.00 (51mm)	.315
1	1-1/2	43016U-G84	24x252	5.15	2.44	3.13	.76	2.38 (60mm)	.315
1-1/4	1-1/4	43020U-G80	20x252	5.26	2.62	3.00	1.01	2.00 (51mm)	.315
1-1/4	1-1/4	43020U-G80L31	20x252	5.26	3.12	3.00	1.02	2.00 (51mm)	.315
1-1/4	1-1/4	43020U-G80L40	20x252	5.26	4.00	3.00	1.02	2.00 (51mm)	.315
1-1/4	1-1/4	43020U-G80L51	20x252	5.26	5.12	3.00	1.02	2.00 (51mm)	.315
1-1/4	1-1/4	43020U-G80L66	20x252	5.26	6.62	3.00	1.02	2.00 (51mm)	.315
1-1/4	1-1/2	43020U-G84	24x252	5.51	2.68	3.25	1.01	2.38 (60mm)	.315
1-1/4	1-1/2	43020U-G84L46	24x252	5.26	4.68	3.00	1.02	2.38 (60mm)	.315
1-1/2	1-1/2	43024U-G84	24x252	6.03	3.12	3.56	1.25	2.38 (60mm)	.315
1-1/2	1-1/2	43024U-G84L58	24x252	6.11	5.80	3.63	1.21	2.38 (60mm)	.315
1-1/2	1-1/2	43024U-G84L67	24x252	6.11	6.70	3.63	1.21	2.38 (60mm)	.315
1-1/2	2	43024U-G92	32x252	6.03	3.32	3.56	1.25	2.81 (71mm)	.375
1-1/2	2	43024U-G92L45	32x252	6.11	4.50	3.63	1.21	2.81 (71mm)	.375
1-1/2	2	43024U-G92L67	32x252	6.11	6.70	3.63	1.21	2.81 (71mm)	.375
2	1-1/2	43032U-G84	24x252	6.63	3.12	3.81	1.19	2.38 (60mm)	.315
2	2	43032U-G92	32x252	7.95	4.64	5.13	1.56	2.81 (71mm)	.375
2	2	43032U-G92L65	32x252	7.95	6.50	5.13	1.56	2.81 (71mm)	.375
2	2	43032U-G92L80	32x252	7.95	8.00	5.13	1.56	2.81 (71mm)	.375

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

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

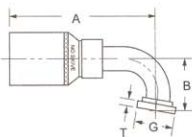
**Split Flange 90° Tube Elbow (SAE Code 62)**



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR	HOLE DIA.	DIA. G	T NOMINAL
1/2	1/2	43008U-D71	8x252	4.49	1.72	2.56	.34	1.25 (32mm)	.345
1/2	3/4	43008U-D72	12x252	4.53	1.90	2.63	.34	1.62 (41mm)	.345
3/4	3/4	43012U-D72	12x252	4.84	2.41	2.81	.56	1.62 (41mm)	.345
3/4	1	43012U-D76	16x252	4.84	2.70	2.81	.56	1.88 (48mm)	.375
1	1	43016U-D76	16x252	5.42	2.75	3.38	.76	1.88 (48mm)	.375
1	1-1/4	43016U-D80	20x252	5.31	2.90	3.25	.76	2.12 (54mm)	.405
1-1/4	1-1/4	43020U-D80	20x252	5.79	3.24	3.50	1.01	2.12 (54mm)	.405
1-1/4	1-1/2	43020U-D84	24x252	5.79	3.35	3.50	1.01	2.50 (64mm)	.405
1-1/2	1-1/2	43024U-D84	24x252	6.11	3.70	3.63	1.25	2.50 (64mm)	.495
1-1/2	2	43024U-D92	32x252	6.11	4.26	3.63	1.25	3.12 (79mm)	.495
2	2	43032U-D92	32x252	7.81	4.84	5.00	1.56	3.12 (79mm)	.495

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

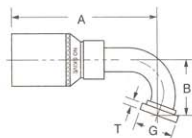
**Split Flange 100° Tube Elbow (SAE Code 61)**



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR	HOLE DIA.	DIA. G	T NOMINAL
3/4	3/4	43012U-H72	12x252	4.80	2.33	2.81	.61	1.50 (38mm)	.265
3/4	1	43012U-H73	16x252	4.80	2.33	2.81	.61	1.75 (44mm)	.315

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

**Split Flange 110° Tube Elbow (SAE Code 61)**

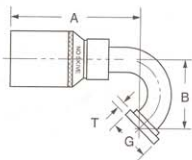


HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR	HOLE DIA.	DIA. G	T NOMINAL
1	1	43016U-H83	16x252	4.46	2.89	2.44	.76	1.75 (44mm)	.315
1-1/4	1-1/4	43020U-H84	20x252	4.82	3.12	2.56	1.01	2.00 (51mm)	.315
1-1/4	1-1/2	43020U-H85	24x252	5.24	3.17	2.94	1.01	2.38 (60mm)	.315
1-1/2	1-1/2	43024U-H85	24x252	5.49	3.69	3.00	1.25	2.38 (60mm)	.315
2	2	43032U-H86	32x252	7.26	5.65	4.44	1.56	2.81 (71mm)	.375

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

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

Split Flange 135° Tube Elbow (SAE Code 61)



HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A		HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
					B				
1/2	1/2	43008U-H91	8x252	4.06	2.12	2.19	.34	1.19 (30mm)	.265
3/4	3/4	43012U-H92	12x252	4.04	3.00	2.06	.61	1.50 (38mm)	.265

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

## Steel Fittings

### Split Flange Adapters and Kits

#### Split Flange Kits - SAE Standard Pressure Series (Code 61) SAE J518



**O-Ring Material:** Buna-N 90  
Durometer

**Temperature Range:**  
-40°F to +250°F (-40°C to +  
121°C)

Standard O-ring complies  
with SAE specification SAE  
J515 Type CH (See page  
247 for O-ring compound  
and application chart)

Included in kit.

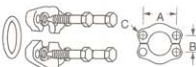
NOMINAL FLANGE SIZE	CATALOG NUMBER COMPLETE KIT	Included in kit.			A	B	C	BOLT TORQUE RANGE LB.-IN.	
		FLANGE HALVES 2 REQ'D.	O-RING	BOLTS					LOCK WASHER
1/2	SFK-08	8x251	8x252	8x853	8x254	1.50	.69	11/32	175-225
3/4	SFK-12	12x251	12x252	12x853	12x254	1.88	.88	13/32	250-350
1	SFK-16	16x251	16x252	12x853	12x254	2.06	1.03	13/32	325-425
1-1/4	SFK-20	20x251	20x252	20x853	20x254	2.31	1.19	15/32	425-550
1-1/2	SFK-24	24x251	24x252	24x853	24x254	2.75	1.41	17/32	550-700
2	SFK-32	32x251	32x252	24x853	24x254	3.06	1.69	17/32	650-800

Flanges conform to SAE J518.

## Steel Fittings

### Split Flange Adapters and Kits

#### Split Flange Kits – SAE High Pressure Series (Code 62) SAE J518



**O-Ring Material:** Buna-N 90 Durometer

**Temperature Range:**

-40°F to +250°F (-40°C to +121°C)

Standard O-ring complies with SAE specifications SAE J515 Type CH (See page 247 for O-ring compound and application chart)

**Note:** Code 62 split flange kits cannot be used with Thick Flange™ fittings. Use existing split flanges.

Included in kit.

NOMINAL FLANGE SIZE	CATALOG NUMBER COMPLETE KIT	FLANGE HALVES Z REQ'D.	O-RING	BOLTS	LOCK WASHER	A	B	C	BOLT TORQUE RANGE LB.-IN.
1/2	SFK62-8	8x262	8x252	8x853	8x254	1.57	.72	5/16	175-225
3/4	SFK62-12	12x262	12x252	12x863	12x254	2.00	.94	13/32	300-400
1	SFK62-16	16x262	16x252	16x863	20x254	2.25	1.09	15/32	500-600
1-1/4	SFK62-20	20x262	20x252	20x863	24x254	2.63	1.25	17/32	750-900
1-1/2	SFK62-24	24x262	24x252	24x863	24x264	3.12	1.44	21/32	1400-1600
2	SFK62-32	32x262	32x252	32x863	32x264	3.81	1.75	25/32	2400-2600

Flanges conform to SAE J518.

## Equipment

### Cabinets

#### C-40X • Stock Cabinet



Ideal for mounting the T-400-1 Coll-O-Crimp I Press and Pump or T-420-1 Coll-O-Crimp Super I. The sturdy C-40X Cabinet contains 40 heavy-duty plastic drawers that can be divided into one, two, three, or four compartments providing space for a large selection of Coll-O-Crimp hose ends and adapters.

**Drawers:** PD-40 (one drawer)

**Dividers:** PD-20 (24 per set)

**Size:** 46-1/2" high, 40" wide, 26" deep at base, 18" deep at top

**Weight:** 228 lbs.

#### FH-135X • Stock Cabinet



The sturdy FH-135X Cabinet contains 50 heavy-duty plastic drawers that can be divided into one, two, or three compartments allowing you ample space for a large selection of Coll-O-Crimp hose ends and adapters. Ideal for mounting the Coll-O-Crimp I Press and Pump.

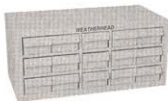
**Drawers:** PD-95 (one drawer)

**Dividers:** PD-15 (30 per set)

**Size:** 46-1/2" high, 33" wide, 14-1/2" deep

**Weight:** 115 lbs.

#### FH-15X • Stock Cabinet



Here is the ideal way to organize your inventory of hose ends and adapters. The rugged FH-15X Cabinet contains 15 plastic drawers for stocking hose ends and adapters.

**Drawers:** PD-95 (one drawer)

**Dividers:** PD-15 (30 per set)

**Size:** 13-5/8" high, 14-3/8" deep, 30-1/4" wide

**Weight:** 45 lbs.