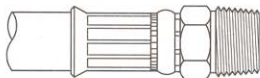


COLL-O-CRIMP® 470 'E' Series

†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

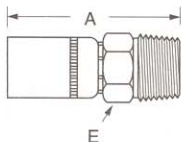
Plating: Zinc; yellow dichromate finish

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.

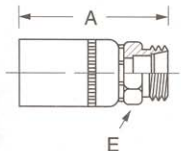
Label Set: FS-1800

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

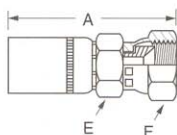
Male DIN 24° Seat s. Rh. (Heavy)



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.

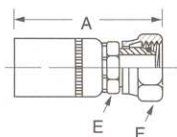
JIC 37° Female Swivel



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.

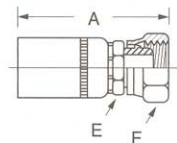
Female Swivel DIN 24°
Seat s. Rh. DKO (Heavy)



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)

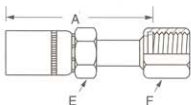
British Standard (BSPP)
60° Cone Female Pipe Swivel



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.

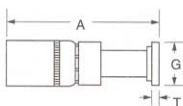
Female FOR-SEAL®
Swivel Straight



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.

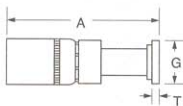
Split Flange Straight
(SAE Code 61)



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.)

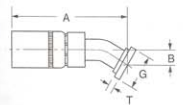
Split Flange Straight
(SAE Code 62)



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)

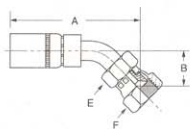


HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA. G	T NOMINAL
1	1-1/2	47016E-N25	24x252	6.46	1.11	4.06	.75	2.50	.495
1-1/4	1-1/2	47020E-N25	24x252	7.45	1.09	4.31	1.06	2.50	.495

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

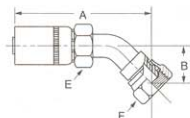
†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

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

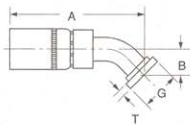
British Standard (BSPP) 60° Cone Female Pipe Swivel 45° Elbow



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.

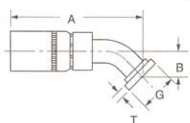
Split Flange 45° Tube Elbow (SAE Code 61)



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)

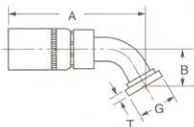


HOSE I.D.	NOMINAL FLANGE SIZE	CATALOG NUMBER	REPLACEMENT O-RING (NOT INCLUDED)	A	B	HOSE CUT-OFF FACTOR†	HOLE DIA.	DIA G	T NOMINAL
3/4	3/4	47012E-D42	12x252	5.48	1.36	3.44	.58	1.62	.345
3/4	1	47012E-D46	16x252	5.62	1.50	3.56	.58	1.88	.375
1	1	47016E-D46	16x252	6.09	1.42	3.75	.79	1.88	.375
1	1-1/4	47016E-D50	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.

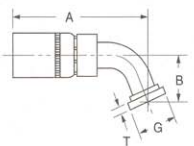
**Split Flange 60° Tube Elbow
(SAE Code 62)**



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)

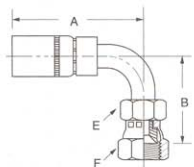
**Split Flange 67 1/2° Tube Elbow
(SAE Code 62)**



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

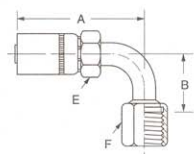
(For Split Flange Kits, see page 317-320)

**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

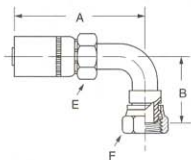
**Female FOR-SEAL® Swivel
Short 90° Tube Elbow Drop**



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.

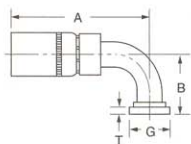
**British Standard (BSPP)
60° Cone Female Pipe
Swivel 90° Elbow**



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.

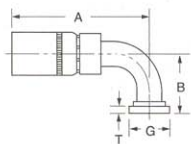
**Split Flange 90° Tube
Elbow (SAE Code 61)**



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.)