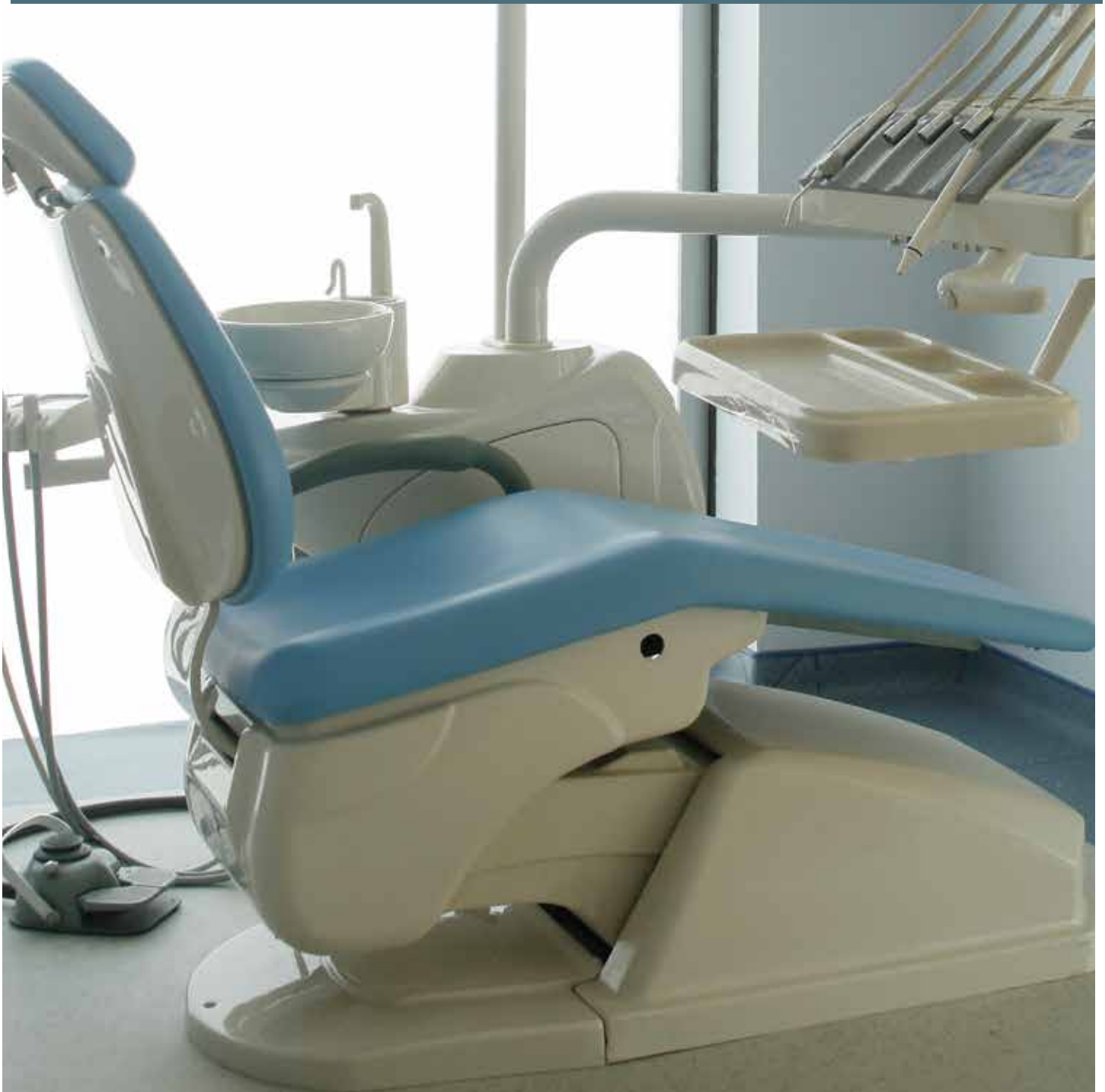


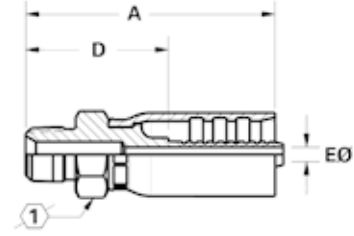
Synflex Hose End Fittings 390H (90H) Series







Synflex Permanent Swage Fittings

Male Pipe (90H)

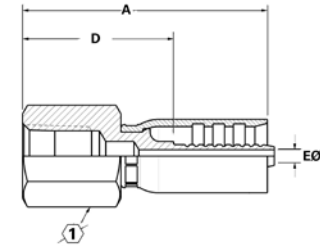
90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)







# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø			
			Dash Size	DN	Dash Size	mm	in	mm	in	mm	in	in
90H03-021000-0	-02	1/8-27	5	-03	47,5	1.87	26,9	1.06	2,8	0.11	9/16	--
90H03-041000-0	-04	1/4-18	5	-03	52,3	2.06	31,8	1.25	2,8	0.11	11/16	--
90H03-061000-0‡	-06	3/8-18	5	-03	54,6	2.15	35,1	1.38	2,8	0.11	3/4	--
90H04-021000-0	-02	1/8-27	6	-04	53,8	2.12	26,9	1.06	4,1	0.16	5/8	--
90H04-041000-0	-04	1/4-18	6	-04	58,7	2.31	31,8	1.25	4,1	0.16	11/16	--
90H04-061000-0	-06	3/8-18	6	-04	61,0	2.40	33,3	1.31	4,1	0.16	3/4	--
90H06-041000-0	-04	1/4-18	10	-06	65,8	2.59	33,3	1.31	7,1	0.28	3/4	--
90H06-061000-0	-06	3/8-18	10	-06	65,8	2.59	33,3	1.31	7,1	0.28	3/4	--
90H06-081000-0	-08	1/2-14	10	-06	72,1	2.84	39,6	1.56	7,1	0.28	15/16	--
90H08-061000-0	-06	3/8-18	12	-08	70,6	2.78	31,8	1.25	9,9	0.39	7/8	--
90H08-081000-0	-08	1/2-14	12	-08	77,0	3.03	38,1	1.50	9,9	0.39	15/16	--
90H12-121000-0	-12	3/4-14	19	-12	81,5	3.21	41,4	1.63	16,0	0.63	1-1/8	--
90H16-161000-0	-16	1-11-1/2	25	-16	100,6	3.96	47,8	1.88	20,6	0.81	1-3/8	--

Female Pipe (90H)

90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)

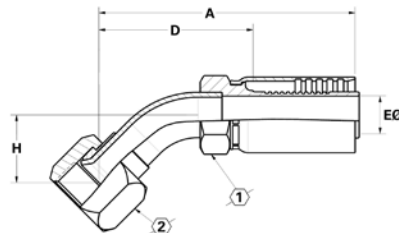





# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø			
			Dash Size	DN	Dash Size	mm	in	mm	in	mm	in	in
90H04-042000-0	-04	1/4-18	6	-04	59.4	2.34	31,8	1.25	4,1	0.16	3/4	--
90H06-062000-0‡	-06	3/8-18	10	-06	66.5	2.62	35,1	1.38	7,1	0.28	7/8	--
90H08-082000-0	-08	1/2-14	12	-08	75.2	2.96	38,1	1.50	9,9	0.39	1-1/16	--

Synflex Permanent Swage Fittings

Female JIC/SAE 37° Swivel 45° Elbow (90H)

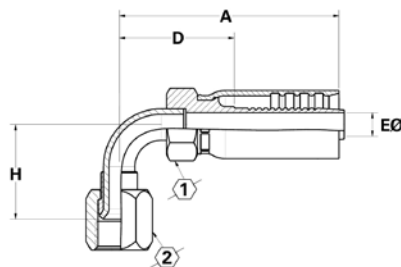
90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)






# Part Number	Terminal End	 Thread	Hose Size		A		D Cut Off Factor		E Ø		H			
			Dash Size	DN	Dash Size	mm	in	mm	in	mm	in	mm	in	in
90H03-045540-0‡	-04	7/16-20	5	-03	58,4	2.30	38,1	1.50	2,8	0.11	11,9	0.47	9/16	9/16
90H04-045540-0‡	-04	7/16-20	6	-04	64,8	2.55	38,1	1.50	4,1	0.16	11,9	0.47	5/8	9/16
90H04-055540-0‡	-05	1/2-20	6	-04	67,1	2.64	39,6	1.56	4,1	0.16	13,5	0.53	5/8	5/8
90H06-065540-0	-06	9/16-18	10	-06	74,2	2.92	42,9	1.69	7,1	0.28	15,0	0.59	3/4	11/16
90H06-085540-0‡	-08	3/4-16	10	-06	78,7	3.10	47,8	1.88	7,1	0.28	18,0	0.71	3/4	7/8
90H08-085540-0‡	-08	3/4-16	12	-08	83,3	3.28	46,0	1.81	9,9	0.39	18,0	0.71	7/8	7/8
90H08-105540-0‡	-10	7/8-14	12	-08	87,9	3.46	49,3	1.94	9,9	0.39	21,3	0.84	7/8	1
90H12-125540-0‡	-12	1 1/16-12	19	-12	108,2	4.26	65,0	2.56	16,0	0.63	28,4	1.12	1-1/8	1-1/4
90H16-165540-0‡	-16	1 5/16-12	25	-16	125,7	4.95	73,2	2.88	20,6	0.81	29,2	1.15	1-3/8	1-1/2

Female JIC/SAE 37° Swivel 90° Elbow (90H)

90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)

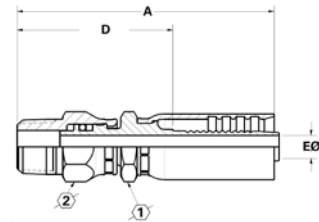






# Part Number	Terminal End	 Thread	Hose Size		A		D Cut Off Factor		E Ø		H			
			Dash Size	DN	Dash Size	mm	in	mm	in	mm	in	mm	in	in
90H03-0455S0-0	-04	7/16-20	5	-03	52,3	2.06	22,4	0.88	2,8	0.11	31,8	1.25	9/16	9/16
90H04-0455S0-0	-04	7/16-20	6	-04	58,6	2.31	22,4	0.88	4,0	0.16	31,8	1.25	5/8	9/16
90H04-0555S0-0‡	-05	1/2-20	6	-04	60,2	2.37	25,4	1.00	4,0	0.16	33,3	1.31	5/8	5/8
90H04-0655S0-0‡	-06	9/16-18	6	-04	61,8	2.43	28,7	1.13	4,0	0.16	35,1	1.38	5/8	11/16
90H05-0655S0-0‡	-06	9/16-18	8	-05	61,8	2.43	28,7	1.13	5,6	0.22	33,3	1.31	5/8	11/16
90H06-0455S0-0‡	-04	7/16-20	10	-06	63,5	2.50	22,4	0.88	4,0	0.16	31,8	1.25	3/4	9/16
90H06-0655S0-0‡	-06	9/16-18	10	-06	66,5	2.62	28,7	1.13	7,1	0.28	35,1	1.38	3/4	11/16
90H06-0855S0-0	-08	3/4-16	10	-06	69,9	2.75	35,1	1.38	7,1	0.28	38,1	1.50	3/4	7/8
90H08-0855S0-0	-08	3/4-16	12	-08	74,5	2.93	35,1	1.38	9,9	0.39	36,6	1.44	7/8	7/8
90H08-1055S0-0	-10	7/8-14	12	-08	77,6	3.06	41,4	1.63	9,9	0.39	39,6	1.56	7/8	1
90H12-1255S0-0‡	-12	1-1/16-12	19	-12	98,3	3.87	58,7	2.31	15,9	0.63	55,6	2.19	1-1/8	1-1/4
90H12-1655S0-0‡	-16	1-5/16-12	19	-12	104,6	4.12	63,5	2.50	15,9	0.63	62,0	2.44	1-1/4	1-1/2
90H16-1655S0-0‡	-16	1-5/16-12	25	-16	118,9	4.68	63,5	2.50	20,6	0.81	66,8	2.63	1-3/8	1-1/2

Synflex Permanent Swage Fittings

Male Pipe Swivel (90H)

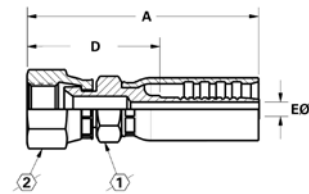
90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)







# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø			
			Dash Size	DN	Dash Size	mm	in	mm	in	mm	in	in
90H03-041400-0	-04	1/4-18	5	-03	67,1	2.64	46,0	1.81	2,8	0.11	5/8	11/16
90H04-041400-0	-04	1/4-18	6	-04	73,2	2.88	46,0	1.81	4,1	0.16	5/8	11/16
90H06-061400-0	-06	3/8-18	10	-06	80,5	3.17	49,3	1.94	7,1	0.28	3/4	3/4
90H06-081400-0+	-08	1/2-14	10	-06	85,3	3.36	54,1	2.13	7,1	0.28	3/4	7/8
90H08-081400-0	-08	1/2-14	12	-08	91,7	3.61	54,1	2.13	10,2	0.40	7/8	15/16
90H12-121400-0	-12	3/4-14	19	-12	98,0	3.86	55,6	2.19	15,2	0.60	1-1/8	1-1/8
90H16-161400-0+	-16	1-11-1/2	25	-16	118,6	4.67	66,8	2.63	20,6	0.81	1-3/8	1-1/2

Female JIC/SAE 37° Swivel (90H)

Fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)

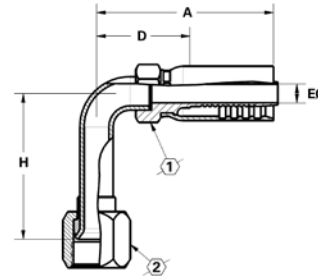


# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø			
			Dash Size	DN	Dash Size	mm	in	mm	in	mm	in	in
90H03-045400-0	-04	7/16 - 20	5	-03	54,6	2.15	35,1	1.38	2,8	0.11	9/16	5/8
90H03-055400-0+	-05	1/2 - 20	5	-03	54,6	2.15	35,1	1.38	2,8	0.11	9/16	3/4
90H04-045400-0	-04	7/16 - 20	6	-04	64,3	2.53	36,6	1.44	4,1	0.16	5/8	5/8
90H04-055400-0	-05	1/2 - 20	6	-04	64,3	2.53	36,6	1.44	4,1	0.16	5/8	3/4
90H04-065500-0	-05	9/16 - 18	6	-04	64,5	2.54	36,6	1.44	4,1	0.16	5/8	3/4
90H05-065500-0+	-05	9/16 - 18	8	-05	64,5	2.54	36,6	1.44	5,6	0.22	5/8	3/4
90H06-045400-0+	-04	7/16 - 20	10	-06	68,1	2.68	36,6	1.44	7,1	0.28	13/16	5/8
90H06-055400-0+	-05	1/2 - 20	10	-06	68,1	2.68	36,6	1.44	5,8	0.23	3/4	3/4
90H06-065500-0	-06	9/16 - 18	10	-06	71,6	2.82	39,6	1.56	7,1	0.28	3/4	3/4
90H06-085400-0	-08	3/4 - 16	10	-06	71,4	2.81	39,6	1.56	7,1	0.28	3/4	15/16
90H08-085400-0	-08	3/4 - 16	12	-08	80,0	3.15	41,4	1.63	9,9	0.39	7/8	15/16
90H08-105400-0	-10	7/8 - 14	12	-08	80,0	3.15	41,4	1.63	9,9	0.39	7/8	1-1/16
90H08-125500-0+	-12	1-1/16 - 12	12	-08	82,6	3.25	44,5	1.75	9,9	0.39	1-1/8	1-1/4
90H12-105400-0+	-10	7/8 - 14	19	-12	87,1	3.43	44,5	1.75	16,0	0.63	1-1/8	1-1/16
90H12-125500-0	-12	1-1/16 - 12	19	-12	87,1	3.43	44,5	1.75	16,0	0.63	1-1/8	1-1/4
90H16-165500-0	-16	1-5/16 - 12	25	-16	103,1	4.06	49,3	1.94	20,6	0.81	1-3/8	1-1/2

Synflex Permanent Swage Fittings

Female JIC/SAE 37° Swivel 90° Long Drop Elbow (90H)

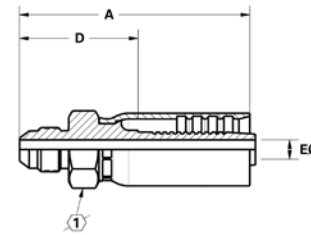
90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)



# Part Number	Terminal End	Thread	Hose Size		A		D Cut Off Factor		E Ø		H		1	2
			DN	Dash Size	mm	in	mm	in	mm	in	mm	in	in	in
90H03-0455L0-0‡	-04	7/16-20	5	-03	52,3	2.06	31,8	1.25	2,8	0.11	45,7	1.80	9/16	9/16
90H04-0455L0-0‡	-04	7/16-20	6	-04	58,6	2.31	31,8	1.25	4,0	0.16	45,7	1.80	5/8	9/16
90H04-0555L0-0‡	-05	1/2-20	6	-04	60,2	2.37	49,3	1.94	4,0	0.16	45,0	1.77	5/8	5/8
90H04-0655L0-0‡	-06	9/16-18	6	-04	62,4	2.46	35,1	1.38	4,0	0.16	55,4	2.18	5/8	11/16
90H06-0655L0-0	-06	9/16-18	10	-06	66,5	2.62	35,1	1.38	7,1	0.28	55,4	2.18	3/4	11/16
90H06-0855L0-0	-08	3/4-16	10	-06	69,9	2.75	38,1	1.50	7,1	0.28	61,7	2.43	3/4	7/8
90H08-0855L0-0‡	-08	3/4-16	12	-08	74,5	2.93	36,6	1.44	9,9	0.39	61,7	2.43	7/8	7/8
90H08-1055L0-0	-10	7/8-14	12	-08	77,6	3.06	39,6	1.56	9,9	0.39	65,3	2.57	7/8	1
90H12-1255L0-0‡	-12	1-1/16-12	19	-12	98,3	3.87	55,6	2.19	15,9	0.63	94,7	3.73	1-1/8	1-1/4
90H16-1655L0-0‡	-16	1-5/16-12	25	-16	119,0	4.69	66,8	2.63	20,6	0.81	110,0	4.33	1-3/8	1-1/2

Male JIC/SAE 37° (90H)

90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)

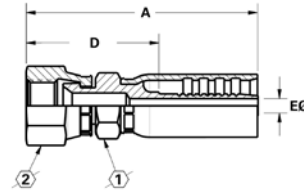


# Part Number	Terminal End	Thread	Hose Size		A		D Cut Off Factor		E Ø		1	2
			DN	Dash Size	mm	in	mm	in	mm	in	in	in
90H03-045000-0	-04	7/16-20	5	-03	51,9	2.05	31,8	1.25	2,8	0.11	9/16	--
90H04-045000-0	-04	7/16-20	6	-04	58,3	2.30	31,8	1.25	4,0	0.16	5/8	--
90H04-055000-0‡	-05	1/2-20	6	-04	58,3	2.30	31,8	1.25	4,0	0.16	5/8	--
90H04-065000-0‡	-06	9/16-18	6	-04	60,8	2.40	33,3	1.31	4,0	0.16	3/4	--
90H06-065000-0	-06	9/16-18	10	-06	65,6	2.58	33,3	1.31	7,1	0.28	3/4	--
90H06-085000-0	-08	3/4-16	10	-06	68,2	2.68	36,6	1.44	7,1	0.28	13/16	--
90H08-085000-0	-08	3/4-16	12	-08	72,9	2.87	35,1	1.38	9,9	0.39	7/8	--
90H08-105000-0‡	-10	7/8-14	12	-08	77,1	3.03	39,6	1.56	9,9	0.39	15/16	--
90H08-125000-0‡	-12	1-1/16-12	12	-08	79,8	3.14	41,4	1.63	15,9	0.39	1-1/8	--
90H12-125000-0‡	-12	1-1/16-12	19	-12	84,5	3.33	41,4	1.63	20,6	0.81	1-1/8	--

Synflex Permanent Swage Fittings

Female SAE 45° Swivel (90H)

90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)

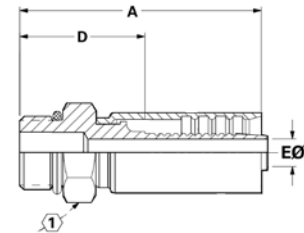


# Part Number	Terminal End	Thread	Hose Size		A		D Cut Off Factor		E Ø		1	2
			DN	Dash Size	mm	in	mm	in	mm	in		
90H03-045400-0	-04	7/16-20	5	-03	2,8	0.11	35,1	1.38	2,8	0.11	9/16	5/8
90H03-055400-0‡	-05	1/2-20	5	-03	2,8	0.11	35,1	1.38	2,8	0.11	9/16	3/4
90H04-045400-0	-04	7/16-20	6	-04	4,0	0.16	36,6	1.44	4,0	0.16	5/8	5/8
90H04-055400-0‡	-05	1/2-20	6	-04	4,0	0.16	36,6	1.44	4,0	0.16	5/8	3/4
90H04-06A000-0‡	-06	5/8-18	6	-04	4,0	0.16	36,6	1.44	4,0	0.16	5/8	13/16
90H06-06A000-0	-06	5/8-18	10	-06	7,1	0.28	39,6	1.56	7,1	0.28	3/4	13/16
90H06-085400-0	-08	3/4-16	10	-06	7,1	0.28	39,6	1.56	7,1	0.28	3/4	15/16
90H08-105400-0	-10	7/8-14	10	-06	7,1	0.28	39,6	1.56	7,1	0.28	3/4	1-1/16
90H12-12A000-0‡	-12	1-1/16-14	19	-12	15,9	0.63	44,5	1.75	15,9	0.63	1-1/8	1-1/4

Male Boss O-Ring (90H)

90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)

DO NOT swage with o-ring installed

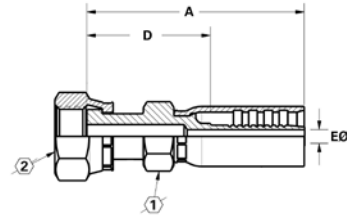


# Part Number	Terminal End	Thread	Hose Size		A		D Cut Off Factor		E Ø		1	2
			DN	Dash Size	mm	in	mm	in	mm	in		
90H03-04D000-0	-04	7/16-20	5	-03	47,2	1.86	26,9	1.06	2,8	0.11	9/16	--
90H04-04D000-0‡	-04	7/16-20	6	-04	53,5	2.11	26,2	1.03	4,0	0.16	5/8	--
90H04-05D000-0‡	-05	1/2-20	6	-04	53,6	2.11	26,2	1.03	4,0	0.16	5/8	--
90H06-06D000-0‡	-06	9/16-18	10	-06	61,5	2.42	25,4	1.00	7,1	0.28	3/4	--
90H06-08D000-0‡	-08	3/4-16	10	-06	62,7	2.47	26,2	1.03	7,1	0.28	7/8	--
90H08-08D000-0‡	-08	3/4-16	12	-08	70,7	2.78	26,2	1.03	9,9	0.39	15/16	--
90H08-10D000-0‡	-10	7/8-14	12	-08	72,2	2.84	29,5	1.16	9,9	0.39	1-1/16	--

Synflex Permanent Swage Fittings

Female ORS Swivel (90H)

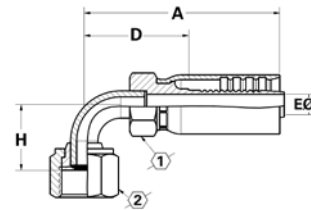
90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)



# Part Number	Terminal End	Thread	Hose Size		A		D Cut Off Factor		E Ø		1	2
			DN	Dash Size	mm	in	mm	in	mm	in	in	in
90H04-044000-0	-04	9/16-18	6	-04	66,0	2.60	38,6	1.52	4,0	0.16	5/8	11/16
90H06-064000-0	-06	11/16-16	10	-06	68,3	2.69	36,6	1.44	6,9	0.27	3/4	7/8
90H08-084000-0	-08	13/16-16	12	-08	77,7	3.06	39,8	1.57	9,7	0.38	7/8	1-1/16
90H08-104000-0‡	-10	1-14	12	-08	84,5	3.33	46,5	1.83	9,7	0.38	7/8	1-1/8
90H12-124000-0‡	-12	1-3/16-12	19	-12	92,5	3.64	50,7	2.00	15,5	0.61	1-1/8	1-3/8
90H16-164000-0‡	-16	1-7/16-12	25	-16	110,7	4.36	55,1	2.17	20,6	0.81	1-3/8	1-5/8

Female ORS Swivel 90° Elbow Short Drop (90H)

90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)

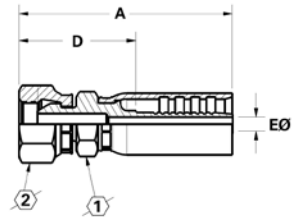


# Part Number	Terminal End	Thread	Hose Size		A		D Cut Off Factor		E Ø		H		1	2
			DN	Dash Size	mm	in	mm	in	mm	in	mm	in	in	in
90H04-0440S0-0‡	-04	9/16-18	6	-04	58,8	2.31	31,8	1.25	4,0	0.16	19,8	0.78	5/8	11/16
90H06-0640S0-0	-06	11/16-16	10	-06	68,1	2.68	36,6	1.44	7,1	0.28	22,9	0.90	3/4	13/16
90H08-0840S0-0‡	-08	13/16-16	12	-08	75,7	2.98	38,1	1.50	9,9	0.39	29,2	1.15	7/8	15/16
90H12-1240S0-0‡	-12	1-3/16-12	19	-12	94,2	3.71	50,8	2.00	15,9	0.63	47,8	1.88	1-1/8	1-3/8

Synflex Permanent Swage Fittings

Female SAE 30° Inverted Flare NPSM (90H)

90H fittings for use with hose: 3R80 (-03 to -12), 3E80 (-03 to -12), 3630 (-16), 3440 (-12 to -16)



# Part Number	Terminal End	Thread	Hose Size		A		D Cut Off Factor		E Ø		1	2
			DN	Dash Size	mm	in	mm	in	mm	in	in	in
90H03-042400-0‡	-04	1/4-18	5	-03	54,2	2.13	33,3	1.31	2,8	0.11	5/8	3/4
90H04-042400-0	-04	1/4-18	6	-04	60,6	2.38	33,3	1.31	4,0	0.16	5/8	3/4
90H06-042400-0‡	-04	1/4-18	10	-06	67,7	2.67	36,6	1.44	5,5	0.22	3/4	3/4
90H06-062400-0	-06	3/8-18	10	-06	67,4	2.65	30,2	1.19	7,1	0.28	7/8	7/8
90H08-082400-0	-08	1/2-14	12	-08	75,9	2.99	38,1	1.50	9,9	0.39	1	1
90H12-122400-0‡	-12	3/4-14	19	-12	87,2	3.43	44,5	1.75	15,9	0.63	1-1/8	1-1/4
90H16-162400-0	-16	1-11-1/2	25	-16	103,1	4.06	47,8	1.88	20,6	0.81	1-3/8	1-1/2