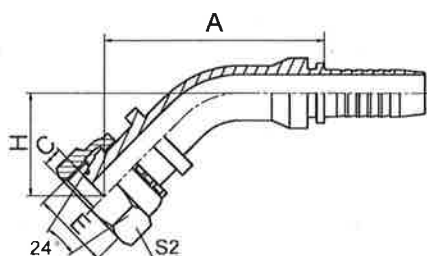
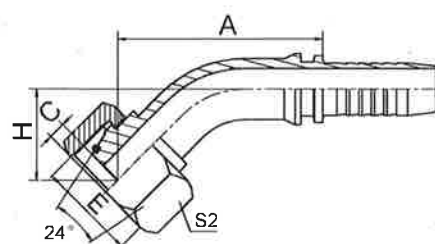


Two-Piece Fitting



SW20441



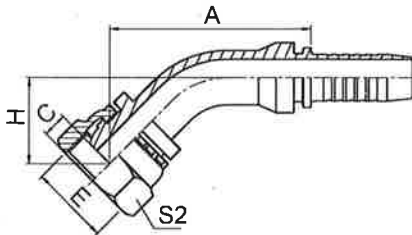
SW20441-T

45° METRIC FEMALE 24° CONE O-RING L.T.
ISO 12151-2--DIN 3865

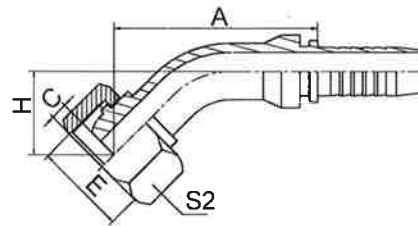
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS			
		DN	DASH			A	C	H	S2
SW20441-14-04	M14X1.5	6	04	8	O06.5X1.5	38.1	1.6	16	17
SW20441-16-05	M16X1.5	8	05	10	O08.0X1.5	40.3	2	17	19
SW20441-16-06	M16X1.5	10	06	10	O08.0X1.5	40.3	2	17	19
SW20441-18-05T	M18X1.5	8	05	12	O10.0X1.5	40.3	1.5	17	22
SW20441-18-06	M18X1.5	10	06	12	O10.0X1.5	45	1.5	18.5	22
SW20441-22-05T	M22X1.5	8	05	15	O12.0X2.0	40.9	3	17.6	27
SW20441-22-06T	M22X1.5	10	06	15	O12.0X2.0	42	3	18	27
SW20441-22-08	M22X1.5	12	08	15	O12.0X2.0	48.8	2.5	20	27
SW20441-26-08T	M26X1.5	12	08	18	O15.0X2.0	47.3	2.1	21	32
SW20441-26-10	M26X1.5	16	10	18	O15.0X2.0	58	2.1	23.5	32
SW20441-26-12	M26X1.5	20	12	18	O15.0X2.0	61.4	2.1	24.6	32
SW20441-27-10T	M27X1.5	16	10	18	O15.0X2.0	72	2.1	27.7	32
SW20441-27-12	M27X1.5	20	12	18	O15.0X2.0	86.9	2.5	39.5	32
SW20441-30-10T	M30X2	16	10	22	O20.0X2.0	56.4	3.8	24.1	36
SW20441-30-12	M30X2	20	12	22	O20.0X2.0	63.2	4	25.6	36
SW20441-36-12T	M36X2	20	12	28	O26.0X2.0	61.5	4.5	25.6	41
SW20441-36-16T	M36X2	25	16	28	O26.0X2.0	81.9	4.5	31.6	41
SW20441-45-20T	M45X2	32	20	35	O32.0X2.5	99.8	4	39.1	50
SW20441-52-20T	M52X2	32	20	42	O38.0X2.5	102	4	39.8	60
SW20441-52-24T	M52X2	40	24	42	O38.0X2.5	114.5	4	43.7	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20442-xx-xx.

Two-Piece Fitting



SW20441C



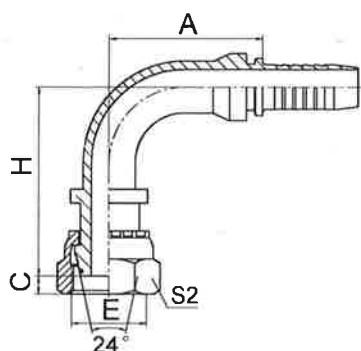
SW20441C-T

45° METRIC FEMALE MULTISEAL L.T.DIN 3868

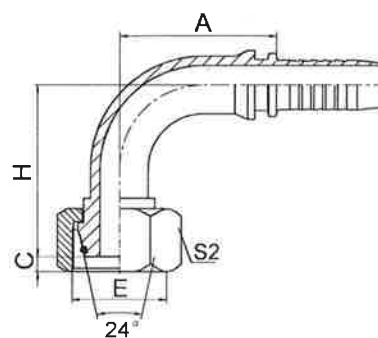
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS			
		DN	DASH		A	C	H	S2
SW20441C-14-04	M14X1.5	6	04	8	44	3.5	22	17
SW20441C-16-04	M16X1.5	6	04	10	44.8	3.5	22.7	19
SW20441C-16-05	M16X1.5	8	05	10	46.6	3.5	23.2	19
SW20441C-16-06	M16X1.5	10	06	10	48.2	3.5	23.9	19
SW20441C-18-06	M18X1.5	10	06	12	50	3	25.7	22
SW20441C-22-06T	M22X1.5	10	06	15	50.8	4.5	26	27
SW20441C-22-08	M22X1.5	12	08	15	62.8	4.5	27.9	27
SW20441C-26-10	M26X1.5	16	10	18	75.1	4	30.6	32
SW20441C-30-10T	M30X2	16	10	22	74.7	7	29.9	36
SW20441C-30-12	M30X2	20	12	22	82	7	33.5	36
SW20441C-30-14	M30X2	22	14	22	83.8	7	33.3	36
SW20441C-36-12T	M36X2	20	12	28	80.2	6.5	32.8	41
SW20441C-36-16	M36X2	25	16	28	89.6	6.5	35.7	41
SW20441C-36-18	M36X2	28	18	28	96.5	6.5	39.4	41
SW20441C-45-20T	M45X2	32	20	35	102.3	7	41.5	50
SW20441C-52-24T	M52X2	40	24	42	116.9	8	46.2	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20442C-xx-xx.

Two-Piece Fitting



SW20491

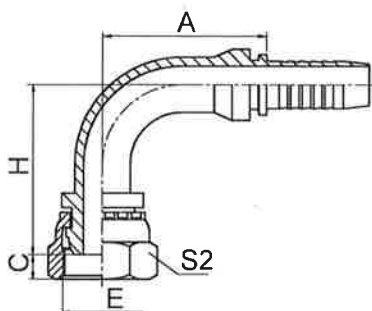


SW20491-T

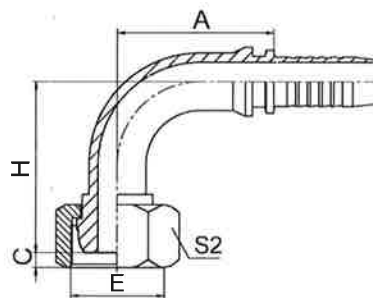
90° METRIC FEMALE 24° CONE O-RING L.T.
ISO 12151-2--DIN 3865

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS			
		DN	DASH			A	C	H	S2
SW20491-12-03	M12X1.5	5	03	6	O04.5X1.5	26.5	1.4	30	14
SW20491-12-04	M12X1.5	6	04	6	O04.5X1.5	27	1.4	30	14
SW20491-14-04	M14X1.5	6	04	8	O06.5X1.5	30	1.6	30.5	17
SW20491-16-04	M16X1.5	6	04	10	O08.0X1.5	30	2.1	30.5	19
SW20491-16-05	M16X1.5	8	05	10	O08.0X1.5	33	2	33	19
SW20491-16-06	M16X1.5	10	06	10	O08.0X1.5	35	2	33	19
SW20491-18-05T	M18X1.5	8	05	12	O10.0X1.5	33	1.5	33.5	22
SW20491-18-06	M18X1.5	10	06	12	O10.0X1.5	37	1.5	36	22
SW20491-22-06T	M22X1.5	10	06	15	O12.0X2.0	34.5	3	36	27
SW20491-22-08	M22X1.5	12	08	15	O12.0X2.0	42	2.5	41.5	27
SW20491-26-08T	M26X1.5	12	08	18	O15.0X2.0	39.5	2.1	42.9	32
SW20491-26-10	M26X1.5	16	10	18	O15.0X2.0	51.2	2.1	51.5	32
SW20491-26-12	M26X1.5	20	12	18	O15.0X2.0	55.5	2.1	51.5	32
SW20491-27-10T	M27X1.5	16	10	18	O15.0X2.0	56	2.1	54.9	32
SW20491-27-12	M27X1.5	20	12	18	O15.0X2.0	64.9	2.5	77	32
SW20491-30-10T	M30X2	16	10	22	O20.0X2.0	49	3.8	51.5	36
SW20491-30-12	M30X2	20	12	22	O20.0X2.0	57	4	56	36
SW20491-36-12T	M36X2	20	12	28	O26.0X2.0	55.3	4.5	56	41
SW20491-36-16T	M36X2	25	16	28	O26.0X2.0	71.2	4.5	67.5	41
SW20491-45-16T	M45X2	25	16	35	O32.0X2.5	71	4	69.5	50
SW20491-45-20T	M45X2	32	20	35	O32.0X2.5	91.5	4	86	50
SW20491-52-20T	M52X2	32	20	42	O38.0X2.5	93	4	87	60
SW20491-52-24T	M52X2	40	24	42	O38.0X2.5	109.4	4	100.5	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20492-xx-xx.



SW20491C



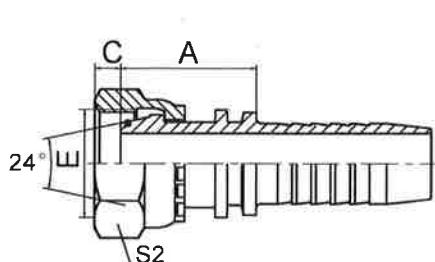
SW20491C-T

90° METRIC FEMALE 24° MULTISEAL L.T.
DIN 3868

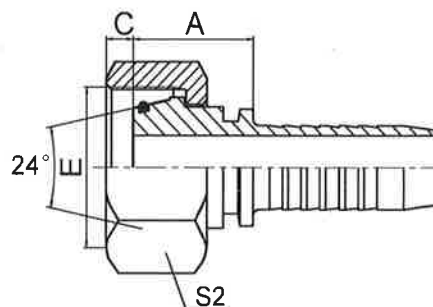
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS			
		DN	DASH		A	C	H	S2
SW20491C-14-04	M14X1.5	6	04	8	30	3.5	28.5	19
SW20491C-16-04	M16X1.5	6	04	10	30	4	32	19
SW20491C-16-05	M16X1.5	8	05	10	33	3.5	32	22
SW20491C-16-06	M16X1.5	10	06	10	35	3.5	32	22
SW20491C-18-06	M18X1.5	10	06	12	37	3	35	22
SW20491C-22-08	M22X1.5	12	08	15	42	4.5	42	27
SW20491C-26-10	M26X1.5	16	10	18	51.2	4	51.5	32
SW20491C-30-12	M30X2	20	12	22	57	7	55.5	36
SW20491C-36-12T	M36X2	20	12	28	55.3	6.5	55.5	41

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20492C-xx-xx.

Two-Piece Fitting



SW20511



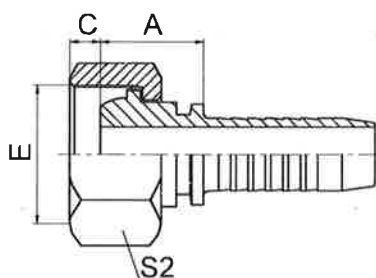
SW20511-T

METRIC FEMALE 24° CONE O-RING H.T.
ISO 12151-2--DIN 3865

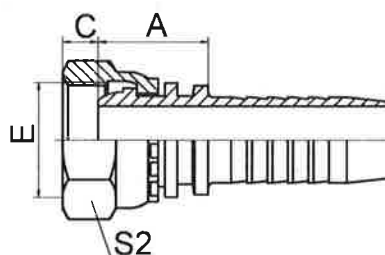
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS		
		DN	DASH			A	C	S2
SW20511-14-04	M14X1.5	6	04	6	O04.5X1.5	23	1.1	17
SW20511-16-04	M16X1.5	6	04	8	O06.5X1.5	20.5	1.8	19
SW20511-16-05	M16X1.5	8	05	8	O06.5X1.5	23	1.5	19
SW20511-18-04T	M18X1.5	6	04	10	O08.0X1.5	25.5	1.5	22
SW20511-18-06	M18X1.5	10	06	10	O08.0X1.5	26	1.5	22
SW20511-20-06T	M20X1.5	10	06	12	O10.0X1.5	26.5	2.5	24
SW20511-20-08	M20X1.5	12	08	12	O10.0X1.5	25.5	2.5	24
SW20511-22-06T	M22X1.5	10	06	14	O11.0X2.0	26.5	3	27
SW20511-22-08	M22X1.5	12	08	14	O11.0X2.0	27.5	2.5	27
SW20511-24-06T	M24X1.5	10	06	16	O13.0X2.0	27	3	30
SW20511-24-08T	M24X1.5	12	08	16	O13.0X2.0	27.5	3	30
SW20511-30-10T	M30X2	16	10	20	O16.3X2.4	33	2.5	36
SW20511-30-12	M30X2	20	12	20	O16.3X2.4	35	2.5	36
SW20511-36-12T	M36X2	20	12	25	O20.3X2.4	35	3.2	46
SW20511-36-16T	M36X2	25	16	25	O20.3X2.4	34	3.2	46
SW20511-42-12T	M42X2	20	12	30	O25.3X2.4	37.5	3.9	50
SW20511-42-16T	M42X2	25	16	30	O25.3X2.4	38.5	3.9	50
SW20511-52-20T	M52X2	32	20	38	O33.3X2.4	41.5	4.5	60
SW20511-52-24T	M52X2	40	24	38	O33.3X2.4	41.5	4.5	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20512-xx-xx.

Two-Piece Fitting



SW20511C



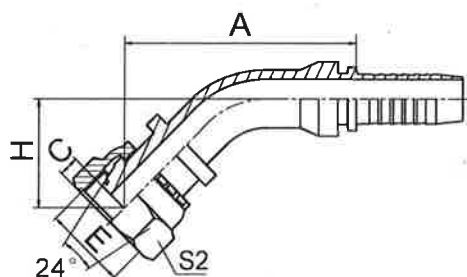
SW20511C-T

METRIC FEMALE 24° MULTISEAL H.T.
DIN3868

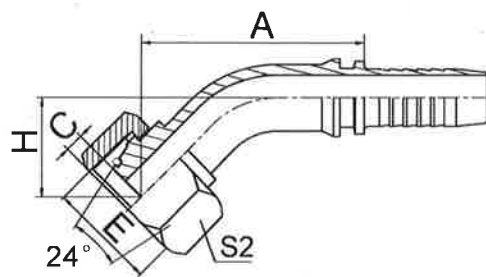
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		A	C	S2
SW20511C-18-04T	M18X1.5	6	04	10	21	3	22
SW20511C-20-05T	M20X1.5	8	05	12	21.5	4.5	24
SW20511C-20-06T	M20X1.5	10	06	12	21.5	4.5	24
SW20511C-22-06T	M22X1.5	10	06	14	21.5	4.5	27
SW20511C-24-08T	M24X1.5	12	08	16	23	5	30
SW20511C-30-10T	M30X2	16	10	20	26.5	7	36
SW20511C-36-12T	M36X2	20	12	25	27	6.5	46
SW20511C-42-16T	M42X2	25	16	30	29.5	9	50
SW20511C-52-20T	M52X2	32	20	38	34	8	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20512C-xx-xx.

Two-Piece Fitting



SW20541



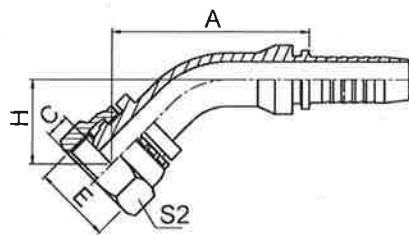
SW20541-T

45° METRIC FEMALE 24° CONE O-RING H.T.
ISO 12151-2--DIN 3865

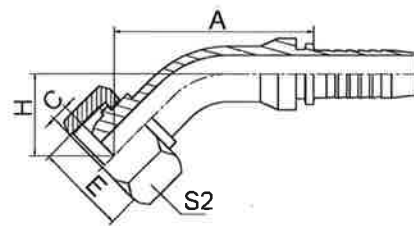
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS			
		DN	DASH			A	C	H	S2
SW20541-14-04	M16X1.5	6	04	6	O04.5X1.5	38.1	1.1	16	17
SW20541-16-04	M16X1.5	6	04	8	O06.5X1.5	38.4	1.8	16.3	19
SW20541-16-05	M16X1.5	8	05	8	O06.5X1.5	38.4	1.5	16.3	19
SW20541-18-04T	M18X1.5	6	04	10	O08.0X1.5	39.1	1.5	17	22
SW20541-18-06	M18X1.5	10	06	10	O08.0X1.5	43.8	1.5	17.3	22
SW20541-20-06T	M20X1.5	10	06	12	O10.0X1.5	42.5	2.5	18.5	24
SW20541-20-08	M20X1.5	12	08	12	O10.0X1.5	42.8	2.5	19	24
SW20541-22-06T	M22X1.5	10	06	14	O11.0X2.0	42	3	18	27
SW20541-22-08	M22X1.5	12	08	14	O11.0X2.0	49.6	2.5	20.7	27
SW20541-24-08T	M24X1.5	12	08	16	O13.0X2.0	47.3	3	21	30
SW20541-30-10T	M30X2	16	10	20	O16.3X2.4	57.3	2.5	25	36
SW20541-30-12	M30X2	20	12	20	O16.3X2.4	65.8	2.5	26.7	36
SW20541-36-12T	M36X2	20	12	25	O20.3X2.4	67.1	3.2	30.5	46
SW20541-36-16T	M36X2	25	16	25	O20.3X2.4	82.8	3.2	32.5	46
SW20541-42-16T	M42X2	25	16	30	O25.3X2.4	81	3.9	35.5	50
SW20541-52-20T	M52X2	32	20	38	O33.3X2.4	101.7	4.5	39.4	60
SW20541-52-24T	M52X2	40	24	38	O33.3X2.4	114.1	4.5	43.4	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20542-xx-xx.

Two-Piece Fitting



SW20541C



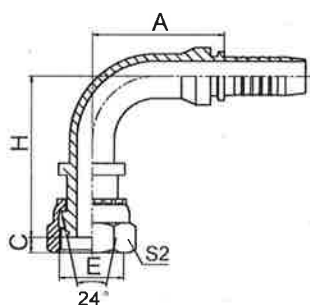
SW20541C-T

45° METRIC FEMALE MULTISEAL H.T.
DIN 3868

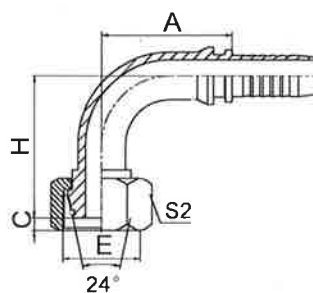
PART NO.	THREAD E	HOSE BORE		TUBE O.D.		DIMENSIONS			
		DN	DASH			A	C	H	S2
SW20541C-16-04	M16X1.5	6	04	8		37.4	3.5	15.3	19
SW20541C-18-04T	M18X1.5	6	04	10		38.1	3	16	22
SW20541C-20-06T	M20X1.5	10	06	12		41.6	4.5	17.6	24
SW20541C-24-08T	M24X1.5	12	08	16		47.7	5	21.5	30

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20542C-xx-xx.

Two-Piece Fitting



SW20591



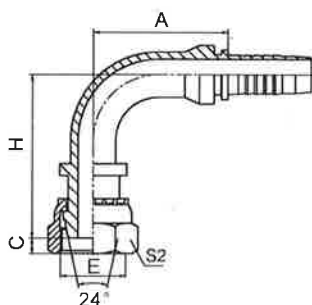
SW20591-T

90° METRIC FEMALE 24° CONE O-RING H.T.
ISO 12151-2—DIN 3865

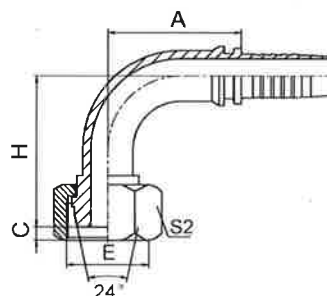
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS			
		DN	DASH			A	C	H	S2
SW20591-14-04	M16X1.5	6	04	6	O04.5X1.5	30	1.1	30.5	17
SW20591-16-04	M16X1.5	6	04	8	O06.5X1.5	30	1.8	31	19
SW20591-16-05	M16X1.5	8	05	8	O06.5X1.5	30	1.5	31	19
SW20591-18-05T	M18X1.5	8	05	10	O08.0X1.5	33	1.5	33.5	22
SW20591-18-06	M18X1.5	10	06	10	O08.0X1.5	37	1.5	35	22
SW20591-20-06T	M20X1.5	10	06	12	O10.0X1.5	34.5	2.5	35.5	24
SW20591-20-08	M20X1.5	12	08	12	O10.0X1.5	38	2.5	38	24
SW20591-22-06T	M22X1.5	10	06	14	O11.0X2.0	34.5	3	36	27
SW20591-22-08	M22X1.5	12	08	14	O11.0X2.0	42	2.5	42.5	27
SW20591-24-08T	M24X1.5	12	08	16	O13.0X2.0	39.5	3	43	30
SW20591-24-10	M24X1.5	16	10	16	O13.0X2.0	45	3	45.5	30
SW20591-30-10T	M30X2	16	10	20	O16.3X2.4	49	2.5	49.5	36
SW20591-30-12	M30X2	20	12	20	O16.3X2.4	55.8	2.5	54.5	36
SW20591-36-12T	M36X2	20	12	25	O20.3X2.4	56	3.2	59	46
SW20591-36-16T	M36X2	25	16	25	O20.3X2.4	71.2	3.2	68.8	46
SW20591-42-16T	M42X2	25	16	30	O25.3X2.4	71	3.9	70	50
SW20591-52-20T	M52X2	32	20	38	O33.3X2.4	93	4.5	86.5	60
SW20591-52-24T	M52X2	40	24	38	O33.3X2.4	109.4	4.5	100	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20592-xx-xx.

Two-Piece Fitting



SW20591C



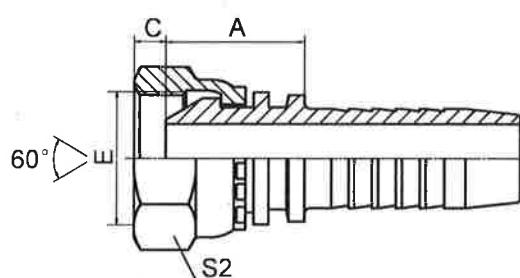
SW20591C-T

90° METRIC FEMALE MULTISEAL H.T.
DIN3868

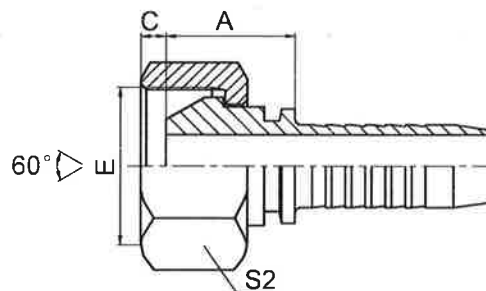
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS				
		DN	DASH		A	C	H	S2	
SW20591C-16-04	M16X1.5	6	04	8	30	3.5	32.5	19	
SW20591C-18-04T	M18X1.5	6	04	10	30	3	30.5	22	
SW20591C-20-05T	M20X1.5	8	05	12	33	4.5	34	24	
SW20591C-20-06T	M20X1.5	10	06	12	34.5	4.5	35.5	24	
SW20591C-22-06T	M22X1.5	10	06	14	34.5	4.5	36	27	
SW20591C-24-08T	M24X1.5	12	08	16	39.5	5	43.5	30	
SW20591C-30-10T	M30X2	16	10	20	49	7	50.5	36	
SW20591C-36-12T	M36X2	20	12	25	56	6.5	55.5	46	
SW20591C-42-16T	M42X2	25	16	30	71	9	68.4	50	
SW20591C-52-20T	M52X2	32	20	38	83	8	81.5	60	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20592C-xx-xx.

Two-Piece Fitting



SW20611



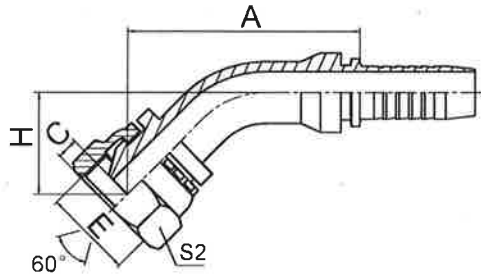
SW20611-T

METRIC FEMALE 60° CONE

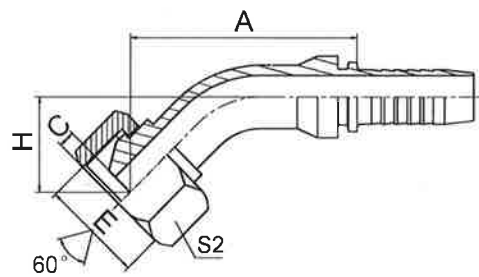
PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH		A	C	S2
SW20611-14-04	M14X1.5	6	04		18	5.5	19
SW20611-16-05	M16X1.5	8	05		18.5	5.5	22
SW20611-16-06	M16X1.5	10	06		19	5.5	22
SW20611-18-06	M18X1.5	10	06		20	5.5	24
SW20611-20-08	M20X1.5	12	08		22	7	27
SW20611-22-08	M22X1.5	12	08		22.5	6	27
SW20611-24-10	M24X1.5	16	10		24.5	6.5	30
SW20611-26-10	M26X1.5	16	10		24.5	6	32
SW20611-27-10DT	M27X1.5	16	10		23.5	6	32
SW20611-27-10T	M27X2	16	10		23.5	8	32
SW20611-30-10D	M30X1.5	16	10		26.5	6	36
SW20611-30-12D	M30X1.5	20	12		26.5	6	36
SW20611-30-12	M30X2	20	12		26.5	6	36
SW20611-36-16	M36X2	25	16		29.5	6.5	41
SW20611-39-16T	M39X2	25	16		30	6.5	46
SW20611-45-20T	M45X2	32	20		30.5	8.5	55
SW20611-52-24T	M52X2	40	24		32	10	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20612-xx-xx.

Two-Piece Fitting



SW20641



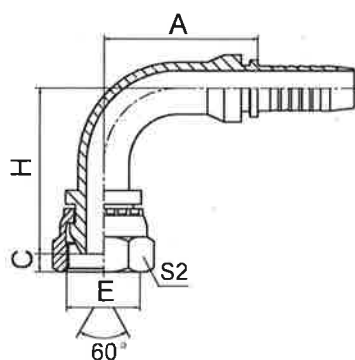
SW20641-T

45° METRIC FEMALE 60°
CONE

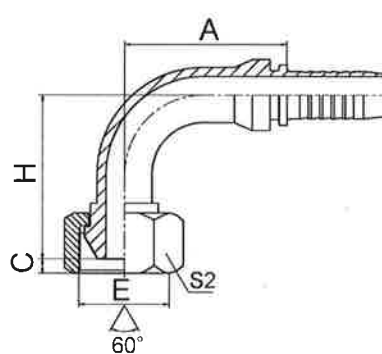
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
SW20641-14-04	M14X1.5	6	04		42.7	5.5	20.6	19
SW20641-16-05	M16X1.5	8	05		45.1	5.5	21.8	22
SW20641-18-06	M18X1.5	10	06		47.4	5.5	23.2	24
SW20641-22-08	M22X1.5	12	08		61.8	6	26.8	27
SW20641-27-10DT	M27X1.5	16	10		71.4	6	27.1	32
SW20641-30-12D	M30X1.5	20	12		81.6	6	33.5	36
SW20641-36-14T	M36X2	22	14		81.9	6.5	31.6	41
SW20641-39-16T	M39X2	25	16		88.5	6.5	34.3	46
SW20641-45-20T	M45X2	32	20		99.1	8.5	38.4	55
SW20641-52-24T	M52X2	40	24		113.4	10	42.7	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20642-xx-xx.

Two-Piece Fitting



SW20691



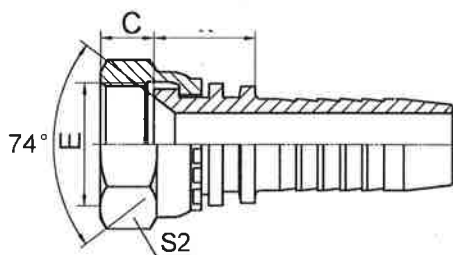
SW20691-T

90° METRIC FEMALE 60° CONE

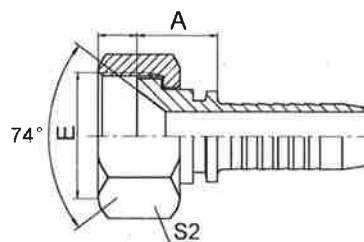
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
SW20691-14-04	M14X1.5	6	04		30	5.5	37	19
SW20691-16-05	M16X1.5	8	05		33	5.5	40.5	22
SW20691-18-06	M18X1.5	10	06		35.3	5.5	43.8	24
SW20691-22-08	M22X1.5	12	08		41	6	52	27
SW20691-27-10DT	M27X1.5	16	10		56	6	55	32
SW20691-30-12D	M30X1.5	20	12		66.2	6	68.5	36
SW20691-36-16	M36X2	25	16		80	6.5	72	41
SW20691-36-14T	M36X2	22	14		71.2	6.5	67.5	41
SW20691-39-16T	M39X2	25	16		76.7	6.5	74	46
SW20691-45-20T	M45X2	32	20		91.5	8.5	85	55
SW20691-52-24T	M52X2	40	24		109.4	10	99	60

Note: 1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is SW20692-xx-xx.

Two-Piece Fitting



SW20711

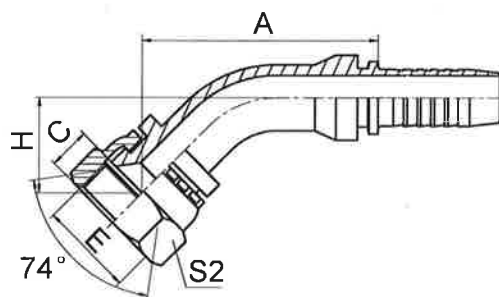


SW20711-T

GB METRIC FEMALE 74° CONE SEAT

PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH		A	C	S2
SW20711-10-02	M10X1	4	02		14	7.5	14
SW20711-12-03C	M12X1.25	5	03		14	9	17
SW20711-12-03	M12X1.5	5	03		14	10	17
SW20711-12-04	M12X1.5	6	04		14.5	10	17
SW20711-14-04	M14X1.5	6	04		15.5	10.5	19
SW20711-14-05	M14X1.5	8	05		15.5	10.5	19
SW20711-14-06	M14X1.5	10	06		15	10.5	19
SW20711-16-04	M16X1.5	6	04		16.5	10	22
SW20711-16-05	M16X1.5	8	05		16	10	22
SW20711-16-06	M16X1.5	10	06		16	10	22
SW20711-18-05T	M18X1.5	8	05		16	8	22
SW20711-18-06	M18X1.5	10	06		17.5	10	24
SW20711-20-06T	M20X1.5	10	06		16	10	24
SW20711-20-08	M20X1.5	12	08		18.5	10	27
SW20711-22-06T	M22X1.5	10	06		16	10	27
SW20711-22-08	M22X1.5	12	08		18.5	10	27
SW20711-22-10	M22X1.5	16	10		19	10	27
SW20711-24-08T	M24X1.5	12	08		17.5	11	30
SW20711-27-08T	M27X1.5	12	08		18.5	11	32
SW20711-27-10T	M27X1.5	16	10		19.5	11	32
SW20711-27-12	M27X1.5	20	12		21.5	11	32
SW20711-30-10T	M30X1.5	16	10		18	11	36
SW20711-30-12	M30X1.5	20	12		21.5	11	36
SW20711-33-10T	M33X2	16	10		19.5	13	41
SW20711-33-12T	M33X2	20	12		20	13	41
SW20711-33-14	M33X2	22	14		20	13	41
SW20711-36-12T	M36X2	20	12		20	14	41
SW20711-36-14T	M36X2	22	14		20	14	41
SW20711-36-16	M36X2	25	16		22.5	14	41
SW20711-39-16T	M39X2	25	16		23.5	14	46
SW20711-42-16T	M42X2	25	16		23.5	15	50
SW20711-42-20	M42X2	32	20		25	15.1	50
SW20711-45-20T	M45X2	32	20		25	15	55
SW20711-52-24T	M52X2	40	24		25	17	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20712-xx-xx.

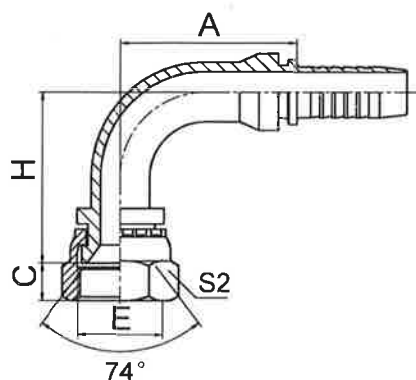
**SW20741**

45° GB METRIC FEMALE 74° CONE SEAT
REF. GB/T 9065.1

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
SW20741-14-04	M14X1.5	6	04	40.6	10.5	18.5	19
SW20741-16-05	M16X1.5	8	05	43.4	10	20	22
SW20741-18-06	M18X1.5	10	06	45.7	10	21.4	24
SW20741-22-08	M22X1.5	12	08	58.9	10	24	27
SW20741-27-10	M27X1.5	16	10	70.7	11	26.4	32
SW20741-30-12	M30X1.5	20	12	77.4	11	30	36
SW20741-33-12	M33X2	20	12	78.1	13	30	41
SW20741-33-16	M33X2	25	16	87.7	13	32.3	41
SW20741-36-14	M36X2	22	14	79.8	14	29.6	41
SW20741-36-16	M36X2	25	16	85.7	14	31.5	41
SW20741-39-16	M39X2	25	16	87	14	31.8	46
SW20741-45-20W	M45X2	32	20	100.2	15	39.4	50
SW20741-52-24W	M52X2	40	24	115.3	17	40.9	60

Note: 1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is SW20742-xx-xx.

Two-Piece Fitting



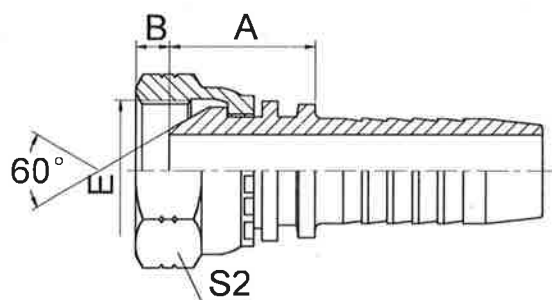
SW20791

90° GB METRIC FEMALE 74° CONE SEAT
REF. GB/T 9065.1

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
SW20791-12-04C	M12X1.25	6	04	30	9	33.5	17
SW20791-12-04	M12X1.5	6	04	30	10	33.5	17
SW20791-14-04	M14X1.5	6	04	30	10.5	34	19
SW20791-16-04	M16X1.5	6	04	30	10	35	22
SW20791-16-05	M16X1.5	8	05	34	10	38	22
SW20791-18-06	M18X1.5	10	06	35.3	10	41.3	24
SW20791-22-08	M22X1.5	12	08	41	10	48	27
SW20791-22-10	M22X1.5	16	10	56	10	52.5	27
SW20791-27-10	M27X1.5	16	10	56	11	54	32
SW20791-30-12	M30X1.5	20	12	66.2	11	63.5	36
SW20791-33-12	M33X2	20	12	65.5	13	63.5	41
SW20791-33-16	M33X2	25	16	76.7	13	69	41
SW20791-36-12	M36X2	20	12	65.5	14	63.5	41
SW20791-36-14	M36X2	22	14	71.2	14	64.5	41
SW20791-39-16	M39X2	25	16	78	14	70.5	46
SW20791-45-20W	M45X2	32	20	91.5	15	86.5	50
SW20791-52-20W	M52X2	32	20	93	17	83.3	60
SW20791-52-24W	M52X2	40	24	109.4	17	100.3	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW20792-xx-xx.

Two-Piece Fitting

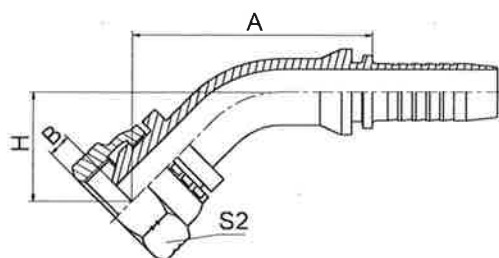


SW21611

NPSM FEMALE 60° CONE
SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	B	S2	
SW21611-04-04	1/4"X18	6	04	18	4.6	19	
SW21611-04-06	1/4"X18	10	06	19	4.6	19	
SW21611-06-04	3/8"X18	6	04	19	6	22	
SW21611-06-05	3/8"X18	8	05	19	6	22	
SW21611-06-06	3/8"X18	10	06	19	6	22	
SW21611-08-08	1/2"X14	12	08	21.5	7.5	27	
SW21611-12-10	3/4"X14	16	10	24	8.9	32	
SW21611-12-12	3/4"X14	20	12	24	8.9	32	
SW21611-16-12T	1"X11.5	20	12	25	10.5	41	
SW21611-16-16	1"X11.5	25	16	27	10.5	41	
SW21611-20-20W	1.1/4"X11.5	32	20	29.5	11.1	50	
SW21611-24-24W	1.1/2"X11.5	40	24	29.5	11.2	55	
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW21612-xx-xx.							

Two-Piece Fitting



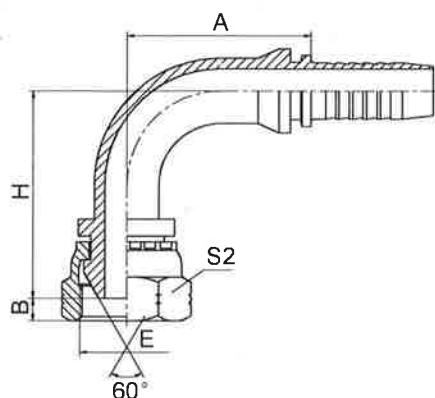
SW21641

45° NPSM FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	B	H	S2
SW21641-04-04	1/4"X18	6	04		45.1	4.6	23	19
SW21641-06-06	3/8"X18	10	06		47.2	6	24.9	22
SW21641-08-08	1/2"X14	12	08		62.7	7.5	27.7	27
SW21641-12-12	3/4"X14	20	12		81.4	8.9	34	32
SW21641-16-16	1"X11.5	25	16		89.2	10.5	35	41
SW21641-20-20W	1.1/4"X11.5	32	20		99.8	11.2	39.3	50
SW21641-24-24W	1.1/2"X11.5	40	24		115.1	11.2	44.4	55
SW21641-32-32W	2"X11.5	50	32		136.4	11.2	63.4	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW21642-xx-xx.

Two-Piece Fitting



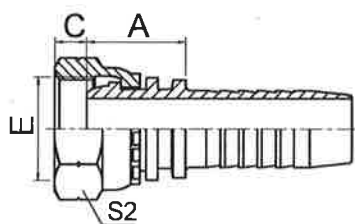
SW21691

90° NPSM FEMALE 60° CONE
SAE J514

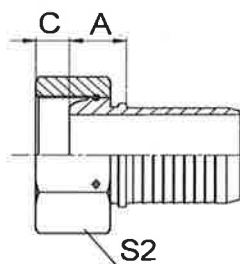
PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	B	H	S2
SW21691-04-04	1/4"X18	6	04	30	4.6	36.5	19
SW21691-06-04	3/8"X18	6	04	30	6	37.7	22
SW21691-06-05	3/8"X18	8	05	34	6	40.7	22
SW21691-06-06	3/8"X18	10	06	35.3	6	43	22
SW21691-08-08	1/2"X14	12	08	41	7.5	51	27
SW21691-12-10	3/4"X14	16	10	56.5	8.9	53.5	32
SW21691-12-12	3/4"X14	20	12	65.5	8.9	69.1	32
SW21691-16-12T	1"X11.5	20	12	65.5	10.5	64.5	41
SW21691-16-16	1"X11.5	25	16	76.7	10.5	73.8	41
SW21691-20-20W	1.1/4"X11.5	32	20	91.5	11.2	86	50
SW21691-24-20T	1.1/2"X11.5	32	20	91.5	11.2	83.5	55
SW21691-24-24W	1.1/2"X11.5	40	24	109.4	11.2	101.5	55
SW21691-32-32W	2"X11.5	50	32	131.8	11.2	124.5	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW21692-xx-xx.

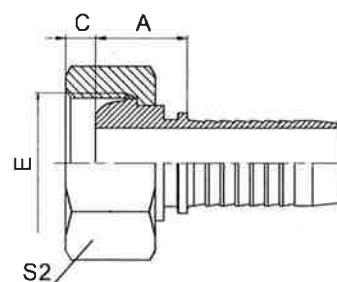
Two-Piece Fitting



SW22111



SW22111W



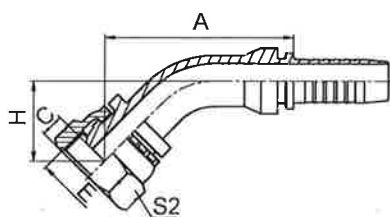
SW22111-T

BSP FEMALE MULTISEAL

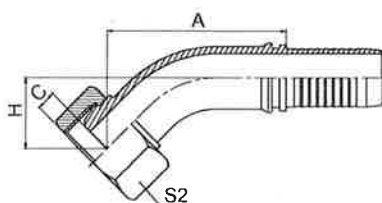
PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH		A	C	S2
SW22111-02-04	G1/8"X28	6	04		19	2	14
SW22111-04-03	G1/4"X19	5	03		19	4	19
SW22111-04-04	G1/4"X19	6	04		19.5	4	19
SW22111-06-05	G3/8"X19	8	05		20	5	22
SW22111-06-06	G3/8"X19	10	06		20.5	5	22
SW22111-06-08	G3/8"X19	12	08		21	5	22
SW22111-08-06T	G1/2"X14	10	06		20	6	27
SW22111-08-08	G1/2"X14	12	08		23	6	27
SW22111-08-10	G1/2"X14	16	10		23.5	6	27
SW22111-10-10	G5/8"X14	16	10		24	8	30
SW22111-10-12	G5/8"X14	20	12		25	8	30
SW22111-12-08T	G3/4"X14	12	08		23	9	32
SW22111-12-10	G3/4"X14	16	10		25.5	9	32
SW22111-12-12	G3/4"X14	20	12		26	9	32
SW22111-16-12T	G1"X11	20	12		24.5	11	41
SW22111-16-16	G1"X11	25	16		28	10.5	41
SW22111-20-16T	G1.1/4"X11	25	16		28	9.1	50
SW22111-20-20W	G1.1/4"X11	32	20		29.5	9.1	50
SW22111-24-24W	G1.1/2"X11	40	24		37	11.5	55
SW22111-32-32W	G2"X11	50	32		37	15.3	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW22112-xx-xx.

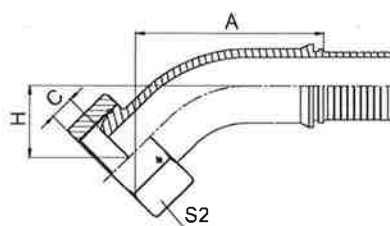
Two-Piece Fitting



SW22141



SW22141-T



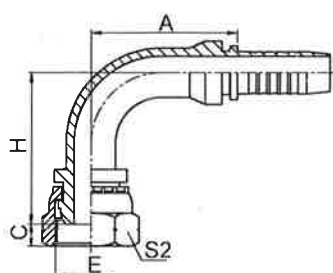
SW22141-W

45° BSP FEMALE MULTISEAL

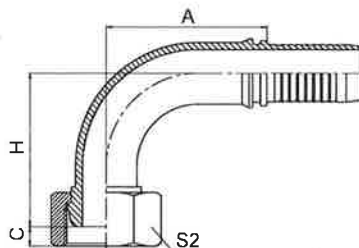
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
SW22141-02-04	G1/8"X28	6	04		43.7	2	21.6	14
SW22141-04-03	G1/4"X19	5	03		41.3	4	20.4	19
SW22141-04-04	G1/4"X19	6	04		43.4	4	21.3	19
SW22141-06-05	G3/8"X19	8	05		46.2	5	22.9	22
SW22141-06-06	G3/8"X19	10	06		47.8	5	23.5	22
SW22141-06-08	G3/8"X19	12	08		60.4	5	25.4	22
SW22141-08-04T	G1/2"X14	6	04		43.9	6	23.8	27
SW22141-08-06T	G1/2"X14	10	06		42.5	6	18.2	27
SW22141-08-08	G1/2"X14	12	08		62.1	6	27.2	27
SW22141-08-10	G1/2"X14	16	10		72.8	6	28.5	27
SW22141-10-10	G5/8"X14	16	10		73.2	8	28.9	30
SW22141-10-12	G5/8"X14	20	12		79.8	8	32.5	30
SW22141-12-08T	G3/4"X14	12	08		63.2	9.5	28.3	32
SW22141-12-10	G3/4"X14	16	10		70.4	9.5	29.6	32
SW22141-12-12	G3/4"X14	20	12		80	9	33.2	32
SW22141-16-12	G1"X11	20	12		81.6	11	33.5	41
SW22141-16-16	G1"X11	25	16		89	10.5	34	41
SW22141-20-16T	G1.1/4"X11	25	16		87.1	9.1	32.9	50
SW22141-20-20W	G1.1/4"X11	32	20		99.1	9.1	38.4	50
SW22141-24-24W	G1.1/2"X11	40	24		119.8	11.5	49	55
SW22141-32-32W	G2"X11	50	32		138.4	15.3	56.2	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW22142-xx-xx.

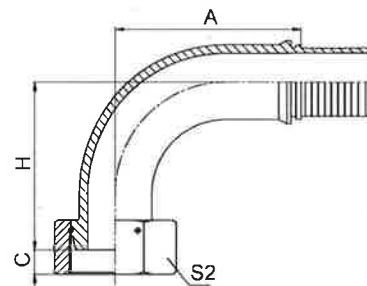
Two-Piece Fitting



SW22191



SW22191-T

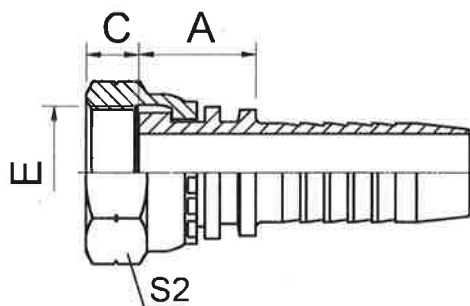


SW22191-W

90° BSP FEMALE MULTISEAL

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
SW22191-02-04	G1/8"X28	6	04		30	2	38	14
SW22191-04-03	G1/4"X19	5	03		27	4	35	19
SW22191-04-04	G1/4"X19	6	04		30	4	38	19
SW22191-04-05	G1/4"X19	8	05		33	4	41.5	19
SW22191-06-05	G3/8"X19	8	05		33	5	42	22
SW22191-06-06	G3/8"X19	10	06		35.3	5	44.3	22
SW22191-06-08	G3/8"X19	12	08		41	5	50	22
SW22191-08-06T	G1/2"X14	10	06		35.3	6	44.3	27
SW22191-08-08	G1/2"X14	12	08		41	6	52.5	27
SW22191-10-10	G5/8"X14	16	10		56	8	57.5	30
SW22191-10-12	G5/8"X14	20	12		65.5	8	67	30
SW22191-12-08T	G3/4"X14	12	08		41	9.5	52	32
SW22191-12-10	G3/4"X14	16	10		56	9	58.5	32
SW22191-12-12	G3/4"X14	20	12		64.9	9	68	32
SW22191-16-12T	G1"X11	20	12		65.5	11	65	41
SW22191-16-16	G1"X11	25	16		77.5	10.5	73.5	41
SW22191-20-16T	G1.1/4"X11	25	16		76.7	9.1	72	50
SW22191-20-20W	G1.1/4"X11	32	20		91.5	9.1	85	50
SW22191-24-24W	G1.1/2"X11	40	24		109.4	11.5	108	55
SW22191-32-32W	G2"X11	50	32		131	15.3	128.3	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW22192-xx-xx.

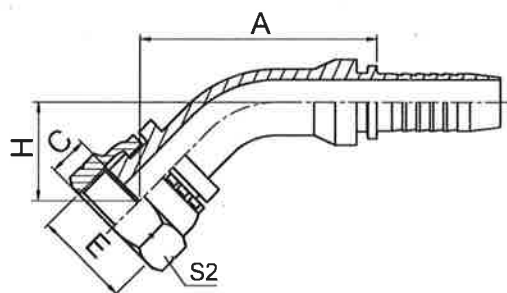


SW22211

BSP FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S2	
SW22211-04-04	G1/4"X19	6	04		15.5	8	19	
SW22211-04-06	G1/4"X19	10	06		15.5	8	19	
SW22211-06-04	G3/8"X19	6	04		17	9	22	
SW22211-06-05	G3/8"X19	8	05		17	9	22	
SW22211-06-06	G3/8"X19	10	06		16.5	9	22	
SW22211-06-08	G3/8"X19	12	08		17.5	9	22	
SW22211-08-06T	G1/2"X14	10	06		18	10.5	27	
SW22211-08-08	G1/2"X14	12	08		18.5	10.5	27	
SW22211-10-08	G5/8"X14	12	08		20	12	30	
SW22211-10-10	G5/8"X14	16	10		21	12	30	
SW22211-12-08T	G3/4"X14	12	08		20.5	13.5	32	
SW22211-12-10	G3/4"X14	16	10		21.5	13.5	32	
SW22211-12-12	G3/4"X14	20	12		21.5	13.5	32	
SW22211-16-12T	G1"X11	20	12		21.5	15.5	41	
SW22211-16-16	G1"X11	25	16		23	15.5	41	
SW22211-20-20W	G1.1/4"X11	32	20		26	15.5	50	
SW22211-24-24W	G1.1/2"X11	40	24		27.5	17.5	55	
SW22211-32-32W	G2"X11	50	32		30.5	23	70	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW22212-xx-xx.



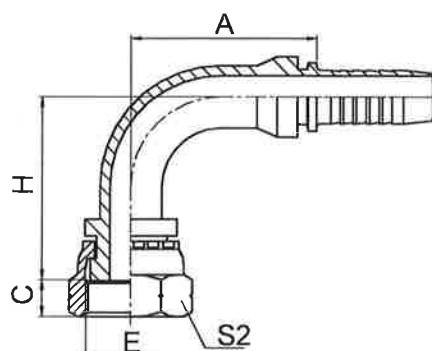
SW22241

45° BSP FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
SW22241-04-04	G1/4"X19	6	04		40.9	8	18.8	19
SW22241-06-06	G3/8"X19	10	06		45.3	9	21	22
SW22241-08-08	G1/2"X14	12	08		58.9	10.5	24	27
SW22241-12-12	G3/4"X14	20	12		76.8	13.5	30	32
SW22241-16-16	G1"X11	25	16		82.7	15.5	31.5	41
SW22241-20-20W	G1.1/4"X11	32	20		97.3	15.5	36.6	50

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW22242-xx-xx.

Two-Piece Fitting



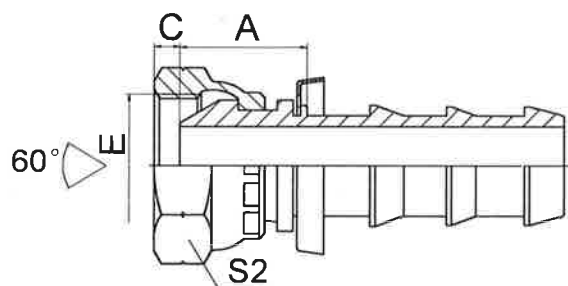
SW22291

90° BSP FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
SW22291-04-04	G1/4"X19	6	04		30	8	34.5	19
SW22291-06-06	G3/8"X19	10	06		35.3	9	41.3	22
SW22291-08-08	G1/2"X14	12	08		41	10.5	48	27
SW22291-12-12	G3/4"X14	20	12		65.5	13.5	63.5	32
SW22291-16-16	G1"X11	25	16		76.7	15.5	70	41
SW22291-20-20W	G1.1/4"X11	32	20		91.5	15.5	82.5	50
SW22291-24-24W	G1.1/2"X11	40	24		109.4	17.5	98.5	55

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW22292-xx-xx.

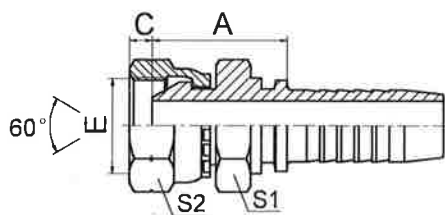
PUSH-ON FITTING



SW22611-PO

BSP FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C		S2
SW22611-04-04PO	G1/4"X19	6	04		19.5	5.5		19
SW22611-06-06PO	G3/8"X19	10	06		21.5	6.3		22
SW22611-08-08PO	G1/2"X14	12	08		24.5	7.5		27
SW22611-12-12PO	G3/4"X14	20	12		29	10.9		32



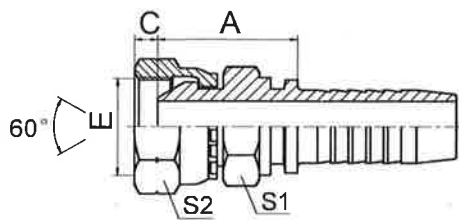
SW22611D

BSP FEMALE 60° CONE DOUBLE HEXAGON

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S1	S2
SW22611D-04-04	G1/4"X19	6	04		23.5	5.5	19	19
SW22611D-06-06	G3/8"X19	10	06		26.5	6.3	22	22
SW22611D-08-08	G1/2"X14	12	08		31	7.5	27	27
SW22611D-10-08	G5/8"X14	12	08		31	9.5	30	30
SW22611D-12-08	G3/4"X14	12	08		31.5	10.9	32	32
SW22611D-12-12	G3/4"X14	20	12		33.5	10.9	32	32
SW22611D-16-16	G1"X11	25	16		35.5	11.7	41	41
SW22611D-20-20W	G1.1/4"X11	32	20		46	10.1	50	50

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW22612D-xx-xx.

Two-Piece Fitting

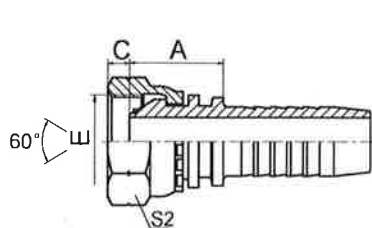


SW22611D-SM

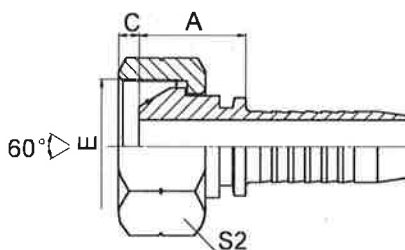
BSP FEMALE 60° CONE DOUBLE HEXAGON

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S1	S2
SW22611D-04-04SM	G1/4"X19	6	04		23.5	5.5	12	19
SW22611D-06-06SM	G3/8"X19	10	06		24.5	6.3	17	22
SW22611D-08-08SM	G1/2"X14	12	08		29	7.5	22	27
SW22611D-10-08SM	G5/8"X14	12	08		29	9.5	22	30
SW22611D-12-08SM	G3/4"X14	12	08		31.5	10.9	27	32
SW22611D-12-12SM	G3/4"X14	20	12		33.5	10.9	27	32
SW22611D-16-16SM	G1"X11	25	16		35.5	11.7	32	41
SW22611D-20-20WSM	G1.1/4"X11	32	20		42	11	41	50
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW22612D-xx-xxSM.								

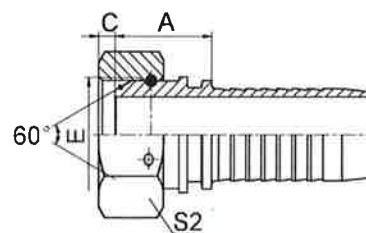
Two-Piece Fitting



SW22611-OR



SW22611-ORT



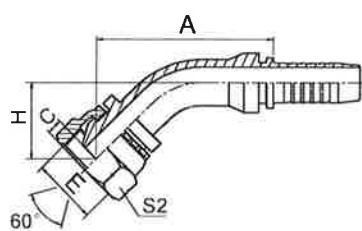
SW22611-ORW

BSP FEMALE 60° CONE O-RING

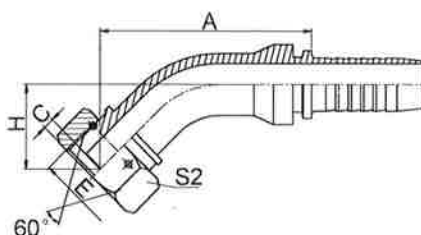
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S2	
SW22611-02-03OR	G1/8"X28	5	03		15	5.5	14	
SW22611-02-04OR	G1/8"X28	6	04		15.5	5.5	14	
SW22611-04-03OR	G1/4"X19	5	03		17.5	5.5	19	
SW22611-04-04OR	G1/4"X19	6	04		18	5.5	19	
SW22611-04-05OR	G1/4"X19	8	05		18	5.5	19	
SW22611-04-06OR	G1/4"X19	10	06		18	5.5	19	
SW22611-06-04OR	G3/8"X19	6	04		19	6.3	22	
SW22611-06-05OR	G3/8"X19	8	05		19	6.3	22	
SW22611-06-06OR	G3/8"X19	10	06		19.5	6.3	22	
SW22611-06-08OR	G3/8"X19	12	08		19.5	6.3	22	
SW22611-08-06ORT	G1/2"X14	10	06		18.5	7.5	27	
SW22611-08-08OR	G1/2"X14	12	08		21.5	7.5	27	
SW22611-10-08OR	G5/8"X14	12	08		22	9.5	30	
SW22611-10-10OR	G5/8"X14	16	10		23	9.5	30	
SW22611-12-08ORT	G3/4"X14	12	08		20	10.9	32	
SW22611-12-10OR	G3/4"X14	16	10		24	10.9	32	
SW22611-12-12OR	G3/4"X14	20	12		24	10.9	32	
SW22611-16-12ORT	G1"X11	20	12		23	11.7	41	
SW22611-16-16OR	G1"X11	25	16		27	11.7	41	
SW22611-20-16ORT	G1.1/4"X11	25	16		27	10.1	50	
SW22611-20-20ORW	G1.1/4"X11	32	20		30.5	10.1	50	
SW22611-24-20ORT	G1.1/2"X11	32	20		29.5	13	55	
SW22611-24-24ORW	G1.1/2"X11	40	24		32	12.5	55	
SW22611-32-24ORT	G2"X11	40	24		30	16	70	
SW22611-32-32ORW	G2"X11	50	32		31	16.1	70	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW22612-xx-xxOR.

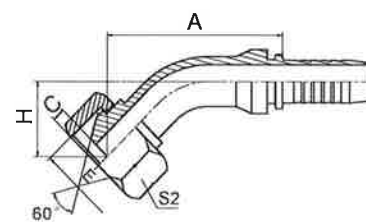
Two-Piece Fitting



SW22641



SW22641-W



SW22641-T

45° BSP FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
SW22641-04-04	G1/4"X19	6	04		42.3	5.5	20.2	19
SW22641-06-04	G3/8"X19	6	04		43.2	6.3	21.1	22
SW22641-06-05	G3/8"X19	8	05		45.3	6.3	22	22
SW22641-06-06	G3/8"X19	10	06		46.9	6.3	22.6	22
SW22641-08-06T	G1/2"X14	10	06		46.7	7.5	22.5	27
SW22641-08-08	G1/2"X14	12	08		61.1	7.5	26.1	27
SW22641-10-08	G5/8"X14	12	08		61.4	9.5	26.5	30
SW22641-10-10	G5/8"X14	16	10		72.1	9.5	27.8	30
SW22641-12-08T	G3/4"X14	12	08		59.4	10.9	24.4	32
SW22641-12-10	G3/4"X14	16	10		72.5	10.9	28.2	32
SW22641-12-12	G3/4"X14	20	12		78.6	10.9	31.8	32
SW22641-16-12T	G1"X11	20	12		77.6	11.7	30.2	41
SW22641-16-16	G1"X11	25	16		88.4	11.7	34.2	41
SW22641-20-16T	G1.1/4"X11	25	16		86.8	10.1	32.5	50
SW22641-20-20W	G1.1/4"X11	32	20		98.8	10.1	38	50
SW22641-24-24W	G1.1/2"X11	40	24		116.2	12.5	45.5	55
SW22641-32-32W	G2"X11	50	32		135.7	16.1	52.7	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW22642-xx-xx.