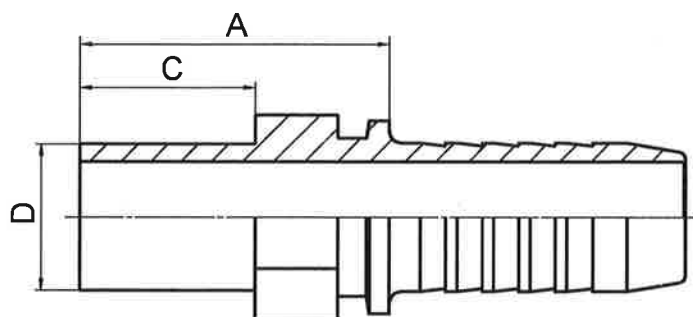


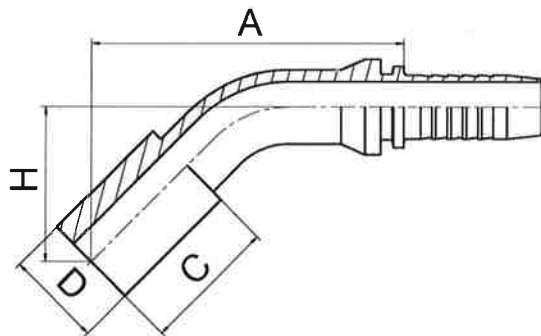
Two-Piece Fitting



SW51011

GB METRIC STANDPIPE

PART NO.	TUBE O.D.	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C		
SW51011-04-03	4	5	03		27	17		
SW51011-06-03	6	5	03		30.5	19		
SW51011-06-04	6	6	04		31	19		
SW51011-08-04	8	6	04		31	19		
SW51011-08-05	8	8	05		31.5	19		
SW51011-08-06	8	10	06		31.5	19		
SW51011-10-04	10	6	04		35	22		
SW51011-10-05	10	8	05		35	22		
SW51011-10-06	10	10	06		35	22		
SW51011-12-05	12	8	05		35	22		
SW51011-12-06	12	10	06		35	22		
SW51011-14-06	14	10	06		35	22		
SW51011-14-08	14	12	08		35.5	22		
SW51011-16-06	16	10	06		35	22		
SW51011-16-08	16	12	08		36	22		
SW51011-16-10	16	16	10		36.5	22		
SW51011-16-12	16	20	12		38	22		
SW51011-18-12	18	20	12		41.5	24		
SW51011-22-12	22	20	12		45	28		
SW51011-28-16	28	25	16		49	30		
SW51011-34-20	34	32	20		53	33		
SW51011-42-24	42	40	24		57	35		
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number isSW51012-xx-xx.								

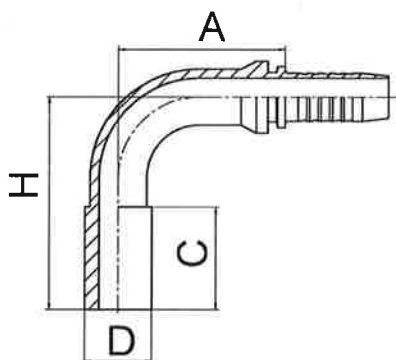
**SW51041**

GB METRIC 45° STANDPIPE

PART NO.	TUBE O.D.	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	
SW51041-06-04	6	6	04		46.6	19	26.6	
SW51041-08-04	8	6	04		46.6	19	26.6	
SW51041-08-05	8	8	05		48.7	19	25.7	
SW51041-10-04	10	6	04		48.7	22	26.6	
SW51041-10-06	10	10	06		52.4	22	28.1	
SW51041-12-06	12	10	06		52.4	22	28.1	
SW51041-14-06	14	10	06		52.4	22	28.1	
SW51041-14-08	14	12	08		64.6	22	29.7	
SW51041-16-10	16	16	10		75.8	22	31	
SW51041-18-12	18	20	12		83.4	24	36	
SW51041-22-14	22	22	14		86.7	28	38.3	
SW51041-28-16	28	25	16		96.7	30	42.4	
SW51041-34-20	34	32	20		109.5	33	47.2	
SW51041-42-24	42	40	24		123.3	35	52.6	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW51042-xx-xx.

Two-Piece Fitting

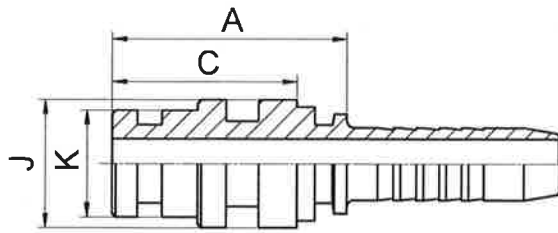


SW51091

GB METRIC 90° STANDPIPE

PART NO.	TUBE O.D.	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	
SW51091-06-04	6	6	04	30.5	19	42.5	
SW51091-06-06	6	10	06	35.3	19	47.8	
SW51091-08-04	8	6	04	30	19	42.5	
SW51091-08-05	8	8	05	33	19	45.5	
SW51091-10-04	10	6	04	30	22	45.5	
SW51091-10-06	10	10	06	35.3	22	50.8	
SW51091-12-06	12	10	06	35.3	22	50.8	
SW51091-12-08	12	12	08	41	22	56	
SW51091-14-06	14	10	06	35.3	22	50.8	
SW51091-14-08	14	12	08	41	22	56	
SW51091-15-10	15	16	10	56.5	26	64.5	
SW51091-16-08	16	12	08	41	22	56	
SW51091-16-10	16	16	10	56	22	60.5	
SW51091-18-10	18	16	10	56.5	24	62.5	
SW51091-18-12	18	20	12	64.9	24	72	
SW51091-28-16	28	25	16	76.7	30	83.5	
SW51091-34-20	34	32	20	91.5	33	97.5	
SW51091-42-24	42	40	24	109.4	35	113	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW51091-xx-xx.



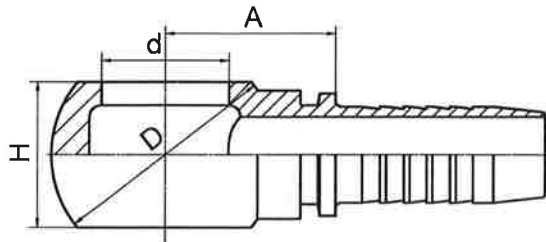
SW60011

MT STAPLE-LOK MALE

PART NO.	HOSE BORE		DIMENSIONS			
	DN	DASH	A	C	J	K
SW60011-04-04	6	04	31	26	15	11
SW60011-05-05	8	05	33.5	26	18	13
SW60011-06-06	10	06	33	26	18	15
SW60011-08-06	10	06	33.5	26	22	18
SW60011-08-08	12	08	34	26	22	18
SW60011-10-10	16	10	39	30	25	20
SW60011-12-12	20	12	40.5	31	28	24
SW60011-16-14	22	14	41	31	35	30
SW60011-16-16	25	16	42	31	35	30

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW60012-xx-xx.

Two-Piece Fitting

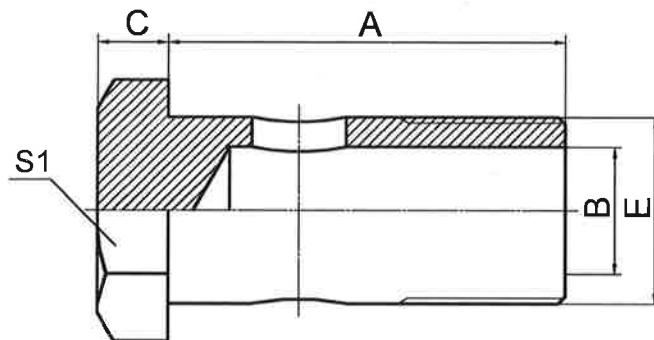


SW70011

METRIC BANJO
DIN 7642

PART NO.	BOLT	HOSE BORE			DIMENSIONS			
		DN	DASH		A	d	D	H
SW70011-10-03	M10X1	5	03		14.5	10.1	17	10
SW70011-10-04	M10X1	6	04		17	10.1	17	10
SW70011-12-04	M12X1.5	6	04		20.5	12.1	20	12
SW70011-12-05	M12X1.5	8	05		20.5	12.1	20	12
SW70011-12-06	M12X1.5	10	06		20.5	12.1	20	12
SW70011-14-04	M14X1.5	6	04		19	14.1	24	14
SW70011-14-05	M14X1.5	8	05		19	14.1	24	14
SW70011-14-06	M14X1.5	10	06		21	14.1	24	14
SW70011-16-04	M16X1.5	6	04		20.5	16.1	28	16
SW70011-16-05	M16X1.5	8	05		20.5	16.1	28	16
SW70011-16-06	M16X1.5	10	06		20.5	16.1	28	16
SW70011-18-04	M18X1.5	6	04		23	18.1	32	20
SW70011-18-05	M18X1.5	8	05		24	18.1	32	20
SW70011-18-06	M18X1.5	10	06		24	18.1	32	20
SW70011-18-08	M18X1.5	12	08		24.5	18.1	32	20
SW70011-22-06	M22X1.5	10	06		28.1	22.1	39	25
SW70011-22-08	M22X1.5	12	08		28.5	22.1	39	25
SW70011-22-10	M22X1.5	16	10		27.5	22.1	39	25
SW70011-26-12	M26X1.5	20	12		33.5	26.2	46	30
SW70011-30-16	M30X1.5	25	16		37	30.2	54	36
SW70011-30-20	M30X1.5	32	20		41	30.1	54	36
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW70012-xx-xx.								

Two-Piece Fitting

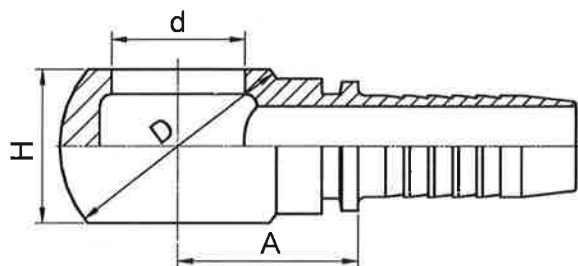


SW700M

METRIC BOLT
DIN 7643

PART NO.	THREAD E	DIMENSIONS					
				A	B	C	S1
SW700M-10	M10X1			19	4	6	17
SW700M-12	M12X1.5			24	6	6	17
SW700M-14	M14X1.5			26	8	7	19
SW700M-16	M16X1.5			28	9	7.5	22
SW700M-18	M18X1.5			32	11	8	24
SW700M-22	M22X1.5			39	14	9	27
SW700M-26	M26X1.5			45	18	10	32
SW700M-30	M30X1.5			51	22	11	38

Two-Piece Fitting



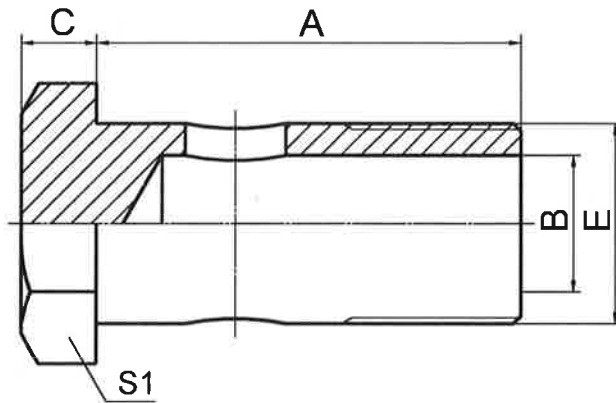
SW71011

JB METRIC BANJO

PART NO.	BOLT	HOSE BORE			DIMENSIONS			
		DN	DASH		A	d	D	H
SW71011-06-04	M6X1	6	04		16	6	18	12
SW71011-08-04	M8X1	6	04		17	8	20	13
SW71011-10-04	M10X1	6	04		19	10	22	13
SW71011-10-05	M10X1	8	05		19	10	22	13
SW71011-10-06	M10X1	10	06		19	10	22	13
SW71011-12-06	M12X1.5	10	06		21	12	26	15
SW71011-14-04	M14X1.5	6	04		20.5	14	28	18
SW71011-14-05	M14X1.5	8	05		21.5	14	28	18
SW71011-14-06	M14X1.5	10	06		21.5	14	28	18
SW71011-14-08	M14X1.5	12	08		22.5	14	28	18
SW71011-16-05	M16X1.5	8	05		22.5	16	32	18
SW71011-16-08	M16X1.5	12	08		25	16	32	18
SW71011-18-06	M18X1.5	10	06		26.5	18	36	22
SW71011-18-08	M18X1.5	12	08		27	18	36	22
SW71011-18-10	M18X1.5	16	10		27.5	18	36	22
SW71011-20-06	M20X1.5	10	06		29.5	20	36	22
SW71011-20-08	M20X1.5	12	08		30	20	36	22
SW71011-22-10	M22X1.5	16	10		30.5	22	46	30
SW71011-22-12	M22X1.5	20	12		31	22	46	30
SW71011-27-10	M27X2	16	10		36.5	27	56	36
SW71011-27-14	M27X2	22	14		36	27	56	36
SW71011-27-16	M27X2	25	16		36	27	56	36
SW71011-33-12	M33X2	20	12		43	33	64	50
SW71011-42-20	M42X2	32	20		54	42	78	64

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW71012-xx-xx.

Two-Piece Fitting

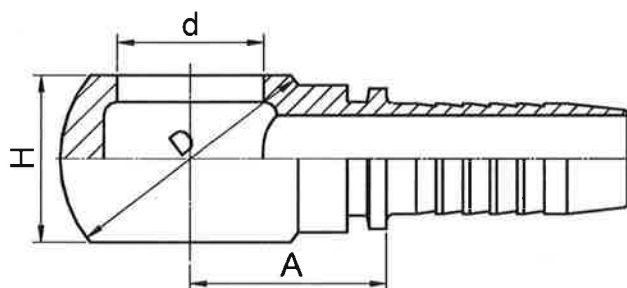


SW710M

JB METRIC BOLT

PART NO.	THREAD E	DIMENSIONS						
		A	B	C	S1			
SW710M-10	M10X1	25	4	6	17			
SW710M-14	M14X1.5	32	8	7	19			
SW710M-18	M18X1.5	38	11	8	24			
SW710M-22	M22X1.5	48	14	9	30			
SW710M-27	M27X2	60	18	10	36			
SW710M-33	M33X2	67	22	12	41			
SW710M-42	M42X2	85	28	14	55			

Two-Piece Fitting



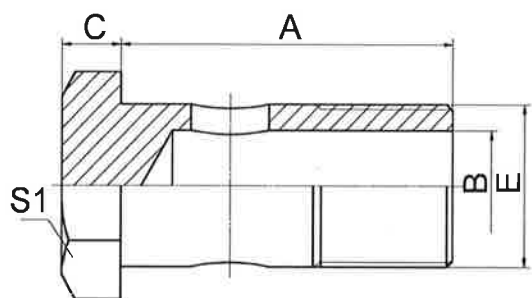
SW72011

BSP BANJO

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	d	D	H
SW72011-02-03	G1/8"X28	5	03		18	9.9	24	16
SW72011-02-04	G1/8"X28	6	04		18.5	9.9	24	16
SW72011-04-03	G1/4"X19	5	03		19	13.3	24	15
SW72011-04-04	G1/4"X19	6	04		19.5	13.3	24	15
SW72011-04-05	G1/4"X19	8	05		19	13.3	24	15
SW72011-04-06	G1/4"X19	10	06		19.5	13.3	24	15
SW72011-06-04	G3/8"X19	6	04		22	16.7	29	20
SW72011-06-05	G3/8"X19	8	05		22.5	16.7	29	20
SW72011-06-06	G3/8"X19	10	06		22	16.7	29	20
SW72011-06-08	G3/8"X19	12	08		22.5	16.7	29	20
SW72011-08-05	G1/2"X14	8	05		27.5	21	38	25
SW72011-08-06	G1/2"X14	10	06		27.5	21	38	25
SW72011-08-08	G1/2"X14	12	08		28	21	38	25
SW72011-08-10	G1/2"X14	16	10		28.5	21	38	25
SW72011-10-10	G5/8"X14	16	10		30	23	40	27
SW72011-12-10	G3/4"X14	16	10		31.5	26.5	48	31
SW72011-12-12	G3/4"X14	20	12		32	26.5	48	31
SW72011-16-08	G1"X11	12	08		40	33.3	60	42
SW72011-16-12	G1"X11	20	12		40	33.3	60	42
SW72011-16-16	G1"X11	25	16		41	33.3	60	42

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW72012-xx-xx.

Two-Piece Fitting

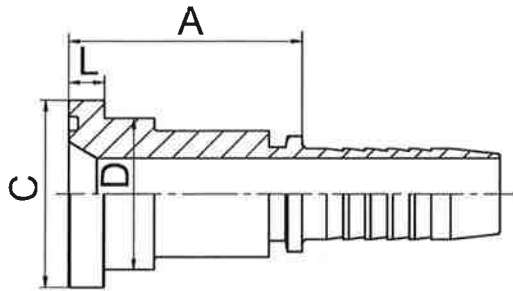


SW720B

BSP BOLT

PART NO.	THREAD E	DIMENSIONS						
				A	B	C	S1	
SW720B-02	G1/8"X28			29.5	4.8	4.8	14	
SW720B-04	G1/4"X19			28.5	6	6	19	
SW720B-06	G3/8"X19			38.5	9	7	22	
SW720B-08	G1/2"X14			44	13	8.5	27	
SW720B-10	G5/8"X14			48.5	15	10	30	
SW720B-12	G3/4"X14			56	18	10	32	
SW720B-16	G1"X11			68.5	22	13	41	

Two-Piece Fitting



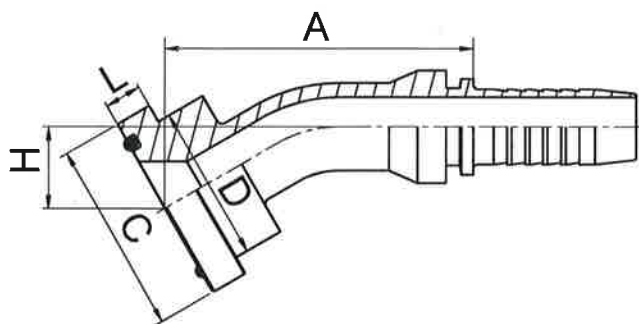
SW87311

SAE FLANGE 3000 PSI
ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	D	L
SW87311-08-08	1/2"	12	08		46	30.2	24	6.73
SW87311-12-08	3/4"	12	08		47	38.1	31.7	6.73
SW87311-12-10	3/4"	16	10		47.5	38.1	31.7	6.73
SW87311-12-12	3/4"	20	12		48	38.1	31.7	6.73
SW87311-12-16	3/4"	25	16		49	38.1	31.7	6.73
SW87311-16-12	1"	20	12		51	44.4	38	8
SW87311-16-16	1"	25	16		52	44.4	38	8
SW87311-16-20	1"	32	20		53	44.4	38	8
SW87311-20-16	1.1/4"	25	16		57	50.8	43	8
SW87311-20-20	1.1/4"	32	20		58	50.8	43	8
SW87311-24-20	1.1/2"	32	20		68	60.3	50	8
SW87311-24-24	1.1/2"	40	24		68	60.3	50	8
SW87311-32-24	2"	40	24		70	71.4	62	9.53
SW87311-32-32	2"	50	32		70	71.4	62	9.53
SW87311-40-40	2.1/2"	64	40		76	84.1	74	9.53

Note: 1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is SW87312-xx-xx.

Two-Piece Fitting

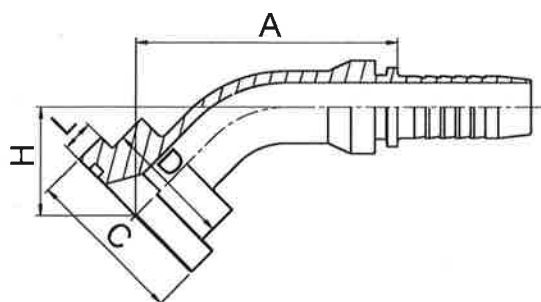


SW87331

30° SAE FLANGE 3000 PSI

PART NO.	FLANGE SIZE	HOSE BORE		O RING	DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW87331-08-08	1/2"	12	08	18.64X3.53		30.2	23.9	14.7	7
SW87331-12-12	3/4"	20	12	24.99X3.53		38.1	31.7	18.3	7
SW87331-16-12	1"	20	12	32.92X3.53		44.4	38	18.3	8.2
SW87331-16-16	1"	25	16	32.92X3.53		44.4	38	18.3	8.2
SW87331-20-16	1.1/4"	25	16	37.69X3.53		50.8	43.2	18.3	8.2
SW87331-20-20	1.1/4"	32	20	37.69X3.53		50.8	43.2	20.5	8.2
SW87331-24-20	1.1/2"	32	20	47.22X3.53		60.3	50.3	23	8.2
SW87331-24-24	1.1/2"	40	24	47.22X3.53		60.3	50.3	24.8	8.2
SW87331-32-32	2"	50	32	56.74X3.53		71.4	62.2	28.6	9.8

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW87332-xx-xx.

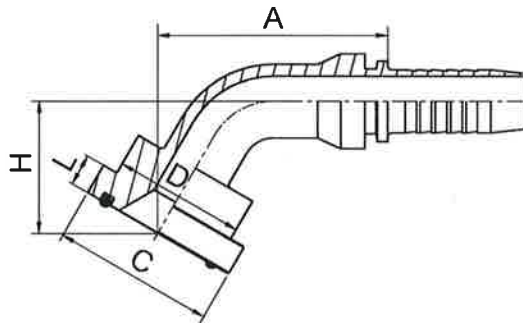
**SW87341**

45° SAE FLANGE 3000
 PSI ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW87341-08-08	1/2"	12	08		58.2	30.2	24	23.3	6.73
SW87341-12-08	3/4"	12	08		58.9	38.1	31.7	24	6.73
SW87341-12-10	3/4"	16	10		69.6	38.1	31.7	25.3	6.73
SW87341-12-12	3/4"	20	12		76.3	38.1	31.7	28.9	6.73
SW87341-16-12	1"	20	12		76.3	44.4	38	28.9	8
SW87341-16-16	1"	25	16		83.9	44.4	38	29.7	8
SW87341-16-20	1"	32	20		94.5	44.4	38	33.8	8
SW87341-20-16	1.1/4"	25	16		85.2	50.8	43	29.7	8
SW87341-20-20	1.1/4"	32	20		94.5	50.8	43	33.8	8
SW87341-24-20	1.1/2"	32	20		95.9	60.3	50	35.2	8
SW87341-24-24	1.1/2"	40	24		109.9	60.3	50	39.1	8
SW87341-32-24	2"	40	24		109.9	71.4	62	39.1	9.53
SW87341-32-32	2"	50	32		129.3	71.4	62	46.3	9.53

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW87342-xx-xx.

Two-Piece Fitting

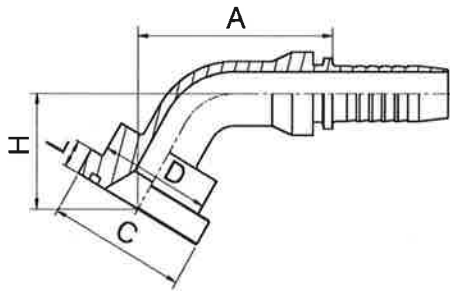


SW87361

60° SAE FLANGE 3000 PSI

PART NO.	FLANGE SIZE	HOSE BORE		O RING	DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW87361-08-08	1/2"	12	08	18.64X3.53		30.2	23.9	31.9	7
SW87361-12-08	3/4"	12	08	24.99X3.53		38.1	31.7	33.6	7
SW87361-12-12	3/4"	20	12	24.99X3.53		38.1	31.7	41.4	7
SW87361-12-16	3/4"	25	16	24.99X3.53		38.1	31.7		7
SW87361-16-12	1"	20	12	32.92X3.53		44.4	38	41.4	8.2
SW87361-16-16	1"	25	16	32.92X3.53		44.4	38	43.4	8.2
SW87361-16-20	1"	32	20	32.92X3.53		44.4	38		8.2
SW87361-20-16	1.1/4"	25	16	37.69X3.53		50.8	43.2	43.4	8.2
SW87361-20-20	1.1/4"	32	20	37.69X3.53		50.8	43.2	49.6	8.2
SW87361-20-24	1.1/4"	40	24	37.69X3.53		50.8	43.2		8.2
SW87361-24-20	1.1/2"	32	20	47.22X3.53		60.3	50.3	53.9	8.2
SW87361-24-24	1.1/2"	40	24	47.22X3.53		60.3	50.3	60.7	8.2
SW87361-32-24	2"	40	24	56.74X3.53		71.4	62.2	60.7	9.8
SW87361-32-32	2"	50	32	56.74X3.53		71.4	62.2	71.9	9.8
SW87361-40-32	2.1/2"	50	32	69.44X3.53		84.1	74.4		9.8

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW87362-xx-xx.

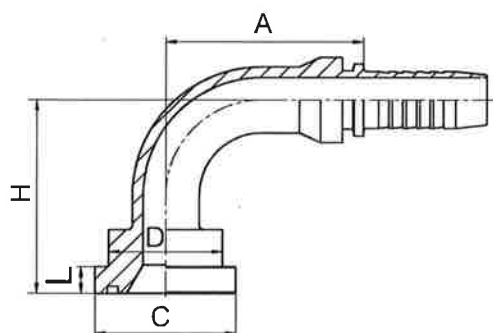


SW87361(V62.5)

62.5° SAE FLANGE 3000 PSI

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW87361-12-12(V62.5)	3/4"	20	12		102.2	38.1	32	42.4	6.73
SW87361-16-16(V62.5)	1"	25	16		105	44.4	38	44.7	8
SW87361-20-20(V62.5)	1.1/4"	32	20		122.8	50.8	43	51.3	8
SW87361-24-24(V62.5)	1.1/2"	40	24		146.6	60.3	50	60.4	8

Two-Piece Fitting



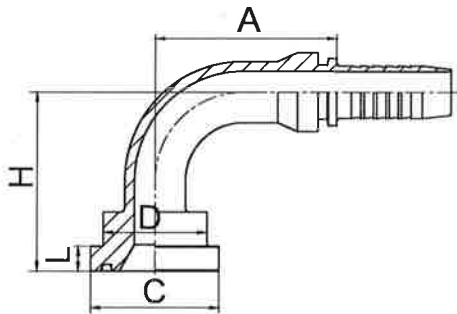
SW87391

90° SAE FLANGE 3000 PSI
REF.ISO 12151-3 / SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW87391-08-08	1/2"	12	08		41	30.2	24	47	6.73
SW87391-12-08	3/4"	12	08		41	38.1	31.7	48	6.73
SW87391-12-10	3/4"	16	10		56	38.1	31.7	52.5	6.73
SW87391-12-12	3/4"	20	12		66.2	38.1	31.7	62	6.73
SW87391-12-16	3/4"	25	16		76.7	38.1	31.7	67.5	6.73
SW87391-16-12	1"	20	12		65.5	44.4	38	62	8
SW87391-16-16	1"	25	16		76.7	44.4	38	67.5	8
SW87391-16-20	1"	32	20		91.5	44.4	38	78.5	8
SW87391-20-16	1.1/4"	25	16		76.7	50.8	43	67.5	8
SW87391-20-20	1.1/4"	32	20		91.5	50.8	43	78.5	8
SW87391-20-24	1.1/4"	40	24		107	50.8	43	78.5	8
SW87391-24-20	1.1/2"	32	20		91.5	60.3	50	80.5	8
SW87391-24-24	1.1/2"	40	24		109.4	60.3	50	94	8
SW87391-32-24	2"	40	24		109.4	71.4	62	94	9.53
SW87391-32-32	2"	50	32		131.8	71.4	62	114.3	9.53
SW87391-40-32	2.1/2"	50	32		131.8	84.1	74	116.3	9.53

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW87392-xx-xx.

Two-Piece Fitting

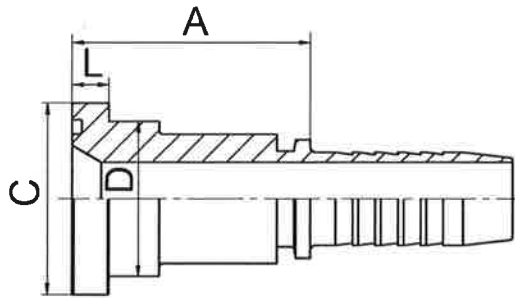


SW87391-H

90° SAE FLANGE 3000 PSI

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW87391-12-12(H90)	3/4"	20	12		65.5	38.1	32	90	6.73
SW87391-12-12(H100)	3/4"	20	12		66.2	38.1	31.7	100	6.73
SW87391-12-12(H127)	3/4"	20	12		66.2	38.1	31.7	127	6.73
SW87391-12-12(H150)	3/4"	20	12		66.2	38.1	31.7	150	6.73
SW87391-16-16(H100)	1"	25	16		76.7	44.4	38	100	8
SW87391-16-16(H127)	1"	25	16		76.7	44.4	38	127	8
SW87391-16-16(H150)	1"	25	16		76.7	44.4	38	150	8
SW87391-20-20(H100)	1.1/4"	32	20		91.5	50.8	43	100	8
SW87391-20-20(H127)	1.1/4"	32	20		91.5	50.8	43	127	8
SW87391-20-20(H150)	1.1/4"	32	20		91.5	50.8	43	150	8
SW87391-24-24(H127)	1.1/2"	40	24		109.4	60.3	50	127	8

Two-Piece Fitting

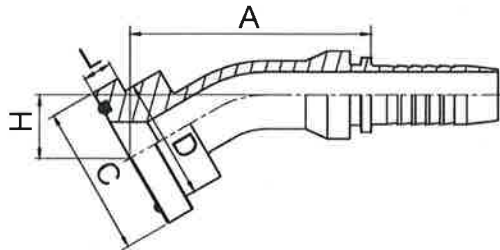


SW87611

SAE FLANGE 6000 PSI
ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	L	
SW87611-08-08	1/2"	12	08		47	31.7	24	7.75	
SW87611-12-10	3/4"	16	10		50.5	41.3	32	8.76	
SW87611-12-12	3/4"	20	12		51	41.3	32	8.76	
SW87611-16-12	1"	20	12		56	47.6	38	9.53	
SW87611-16-16	1"	25	16		57	47.6	38	9.53	
SW87611-16-20	1"	32	20		61	47.6	38	9.53	
SW87611-20-16	1.1/4"	25	16		65	54	44	10.29	
SW87611-20-20	1.1/4"	32	20		66	54	44	10.29	
SW87611-24-20	1.1/2"	32	20		75	63.5	51	12.57	
SW87611-24-24	1.1/2"	40	24		75	63.5	51	12.57	
SW87611-32-24	2"	40	24		85	79.4	67	12.57	
SW87611-32-32	2"	50	32		85	79.4	67	12.57	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW87612-xx-xx.

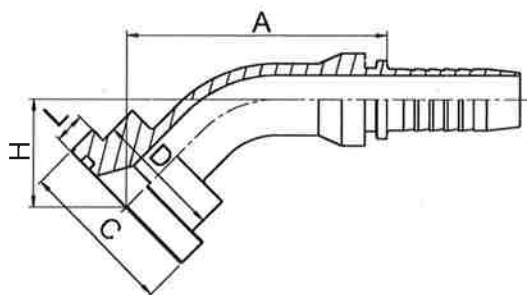


SW87631

30° SAE FLANGE 6000 PSI
REF.ISO 12151-3 / SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		O RING	DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW87631-08-08	1/2"	12	08	18.64X3.53		31.7	23.9	15.7	7.9
SW87631-12-12	3/4"	20	12	24.99X3.53		41.3	31.7	19.8	8.9
SW87631-16-12	1"	20	12	32.92X3.53		47.6	38		9.6
SW87631-16-16	1"	25	16	32.92X3.53		47.6	38	20.8	9.6
SW87631-16-20	1"	32	20	32.92X3.53		47.6	38		9.6
SW87631-20-16	1.1/4"	25	16	37.69X3.53		54	43.6		10.4
SW87631-20-20	1.1/4"	32	20	37.69X3.53		54	43.6	24	10.4
SW87631-24-20	1.1/2"	32	20	47.22X3.53		63.5	50.8	25.5	12.7
SW87631-24-24	1.1/2"	40	24	47.22X3.53		63.5	50.8	27.3	12.7
SW87631-32-24	2"	40	24	56.74X3.53		79.4	66.5	27.3	12.7
SW87631-32-32	2"	50	32	56.74X3.53		79.4	66.5	31.2	12.7

Two-Piece Fitting



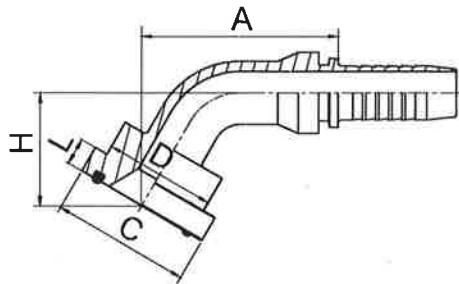
SW87641

45° SAE FLANGE 6000 PSI
REF.ISO 12151-3 / SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW87641-08-08	1/2"	12	08		58.9	31.7	24	24	7.75
SW87641-08-12	1/2"	20	12		64.3	31.7	24	26.6	7.75
SW87641-12-10	3/4"	16	10		72.5	41.3	32	28.2	8.76
SW87641-12-12	3/4"	20	12		79.2	41.3	32	31.8	8.76
SW87641-16-16	1"	25	16		88.9	47.6	38	34.7	9.53
SW87641-20-20	1.1/4"	32	20		102.3	54	44	41.5	10.29
SW87641-24-20	1.1/2"	32	20		105.8	63.5	51	45.1	12.57
SW87641-24-24	1.1/2"	40	24		119.8	63.5	51	49	12.57
SW87641-32-24	2"	40	24		125.4	79.4	67	54.7	12.57
SW87641-32-32	2"	50	32		144.8	79.4	67	61.9	12.57

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW87642-xx-xx.

Two-Piece Fitting

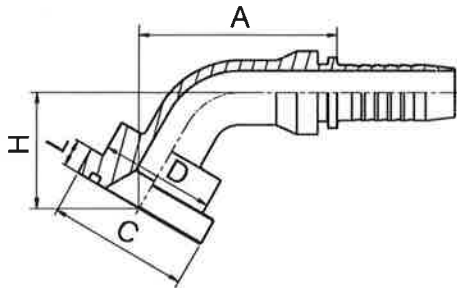


SW87661

60° SAE FLANGE 6000 PSI
REF.ISO 12151-3 / SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		O RING	DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW87661-08-08	1/2"	12	08	18.64X3.53		31.7	23.9	33.6	7.9
SW87661-12-12	3/4"	20	12	24.99X3.53		41.3	31.7	44	8.9
SW87661-16-12	1"	20	12	32.92X3.53		47.6	38		9.6
SW87661-16-16	1"	25	16	32.92X3.53		47.6	38	47.7	9.6
SW87661-16-20	1"	32	20	32.92X3.53		47.6	38		9.6
SW87661-20-16	1.1/4"	25	16	37.69X3.53		54	43.6		10.4
SW87661-20-20	1.1/4"	32	20	37.69X3.53		54	43.6	55.7	10.4
SW87661-24-20	1.1/2"	32	20	47.22X3.53		63.5	50.8	58.3	12.7
SW87661-24-24	1.1/2"	40	24	47.22X3.53		63.5	50.8	65	12.7
SW87661-32-24	2"	40	24	56.74X3.53		79.4	66.5	65	12.7
SW87661-32-32	2"	50	32	56.74X3.53		79.4	66.5	76.3	12.7

Two-Piece Fitting



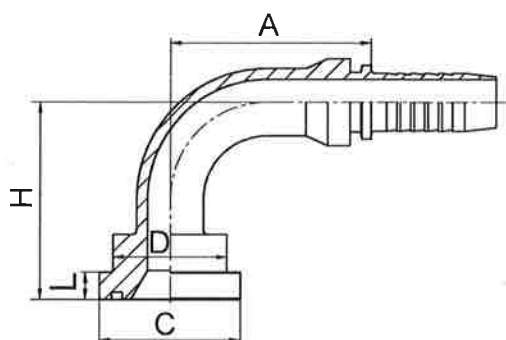
SW87661 (V62.5)

62.5° SAE FLANGE 6000PSI
REF.ISO 12151-3 / SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW87661-12-12(V62.5)	3/4"	20	12		93.3	41.3	32	46	8.76
SW87661-16-16(V62.5)	1"	25	16		108.3	47.6	38	50.9	9.53
SW87661-20-20(V62.5)	1.1/4"	32	20		127.8	54	44	61.1	10.29
SW87661-24-24(V62.5)	1.1/2"	40	24		153	63.5	51	72.8	12.57

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW87662-xx-xx.

Two-Piece Fitting



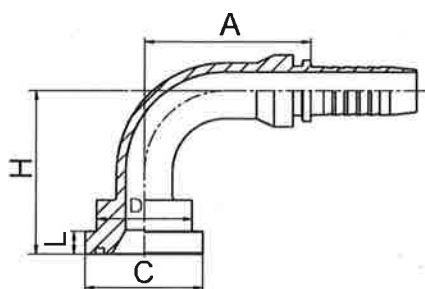
SW87691

90° SAE FLANGE 6000 PSI
REF.ISO 12151-3 / SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW87691-08-08	1/2"	12	08		41	31.7	24	48	7.75
SW87691-12-10	3/4"	16	10		56	41.3	32	56.5	8.76
SW87691-12-12	3/4"	20	12		65.5	41.3	32	66	8.76
SW87691-16-12	1"	20	12		65.5	47.6	38	69	9.53
SW87691-16-16	1"	25	16		76.7	47.6	38	74.5	9.53
SW87691-16-20	1"	32	20		91.5	47.6	38	85.5	9.53
SW87691-20-16	1.1/4"	25	16		76.7	54	44	78.5	10.29
SW87691-20-20	1.1/4"	32	20		91.5	54	44	89.5	10.29
SW87691-24-20	1.1/2"	32	20		91.5	63.5	51	94.5	12.57
SW87691-24-24	1.1/2"	40	24		109.4	63.5	51	108	12.57
SW87691-32-24	2"	40	24		109.4	79.4	67	116	12.57
SW87691-32-32	2"	50	32		131.8	79.4	67	136.3	12.57

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is SW87692-xx-xx.

Two-Piece Fitting



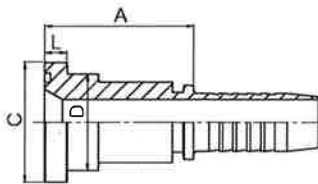
SW87691-H

90° SAE FLANGE 6000 PSI
REF. ISO 1251-3 / SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS					
		DN	DASH		A	C	D	H	L
SW87691-12-12(H100)	3/4"	20	12		65.5	41.3	32	100	8.76
SW87691-12-12(H127)	3/4"	20	12		65.5	41.3	32	127	8.76
SW87691-12-12(H150)	3/4"	20	12		65.5	41.3	32	150	8.76
SW87691-16-16(H100)	1"	25	16		76.7	47.6	38	100	9.53
SW87691-16-16(H127)	1"	25	16		76.7	47.6	38	127	9.53
SW87691-16-16(H150)	1"	25	16		76.7	47.6	38	150	9.53
SW87691-20-20(H100)	1.1/4"	32	20		91.5	54	44	100	10.29
SW87691-20-20(H127)	1.1/4"	32	20		91.5	54	44	127	10.29
SW87691-20-20(H150)	1.1/4"	32	20		91.5	54	44	150	10.29
SW87691-24-24(H100)	1.1/2"	40	24		109.4	63.5	51	100	12.57
SW87691-24-24(H127)	1.1/2"	40	24		109.4	63.5	51	127	12.57

Note: 1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is SW87X92-xx-xx.

Two-Piece Fitting

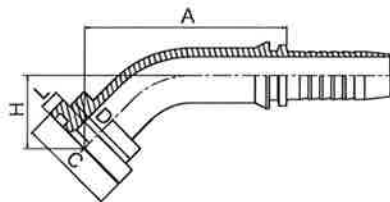


SW88111

JIS FLANGE

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	L	
SW88111-10-08	5/8"	12	08		45	34.2	27.8	6.7	
SW88111-10-10	5/8"	16	10		45.5	34.2	27.8	6.7	
SW88111-10-12	5/8"	20	12		46	34.2	27.8	6.7	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 88112-xx-xx.

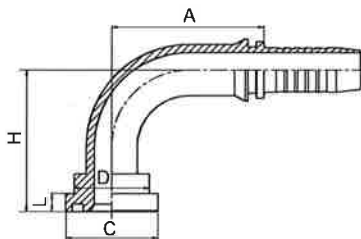


SW88141

45° JIS FLANGE

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW88141-10-08	5/8"	12	08		59	34.2	27.8	24	6.7
SW88141-10-10	5/8"	16	10		69.6	34.2	27.8	25.3	6.7
SW88141-10-12	5/8"	20	12		77	34.2	27.8	29	6.7

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 88142-xx-xx.



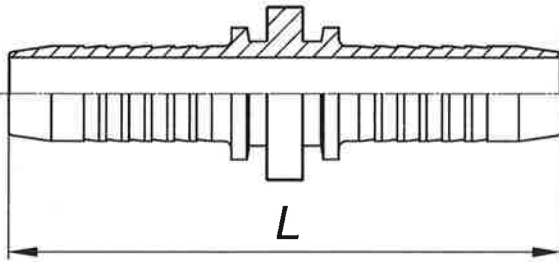
SW88191

90° JIS FLANGE

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
SW88191-10-08	5/8"	12	08		41	34.2	27.8	48	6.7
SW88191-10-10	5/8"	16	10		56	34.2	27.8	52.5	6.7
SW88191-10-12	5/8"	20	12		66.2	34.2	27.8	62	6.7

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 88192-xx-xx.

Two-Piece Fitting



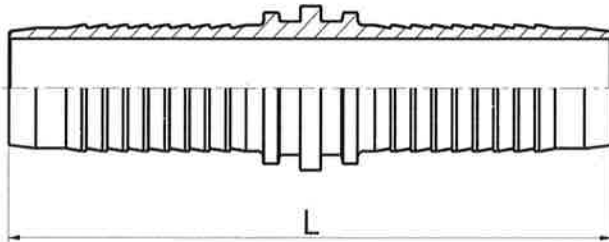
SW90011

DOUBLE CONNECTOR

PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
SW90011-04		6	04			69	
SW90011-05		8	05			69	
SW90011-06		10	06			73	
SW90011-08		12	08			77	
SW90011-10		16	10			83	
SW90011-12		20	12			93	
SW90011-16		25	16			114	
SW90011-20		32	20			132	
SW90011-24		40	24			162	
SW90011-32		50	32			170	

Note: For wire braid hose.

Two-Piece Fitting



SW90012

DOUBLE CONNECTOR

PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
SW90012-04		6	04			83	
SW90012-05		8	05			87	
SW90012-06		10	06			87	
SW90012-08		12	08			91	
SW90012-10		16	10			97	
SW90012-12		20	12			110	
SW90012-16		25	16			134	
SW90012-20		32	20			153	
SW90012-24		40	24			172	
SW90012-32		50	32			178	

Note: For spiral hose.