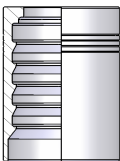
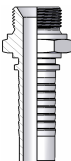
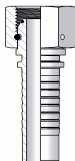
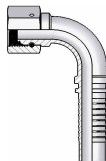
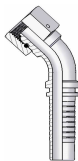
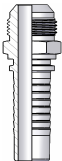
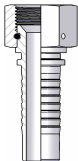
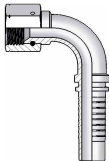
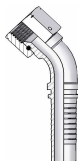
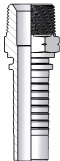
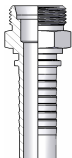
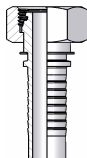
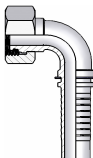
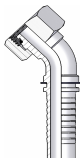
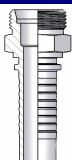
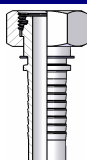
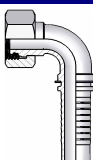
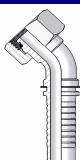
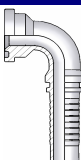
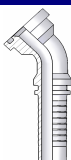
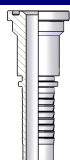
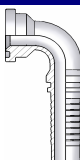
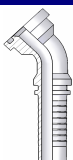
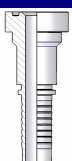
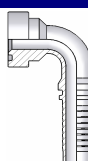
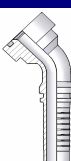




Ниппель спиральный рукав / Multispiral tail

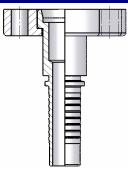
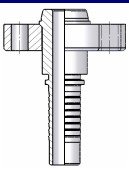
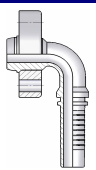
Страница / Page		3		4		5		5		5			
Ferrule Воскола				BSP									
		0019				0350M		0050M		0150M		0250M	
		R9 - 4SP - 4SH				BSP MALE 60°seat		BSP FEMALE 60°R		90° Swept Elbow R		45° Swept Elbow R	
						AGR		DKR		DKR-90°		DKR-45°	
Страница / Page		6		6		7		7				4	
JIC										NPTF male			
		0850M		0900M		0950M		1000M				0370M	
		JIC MALE 37°		JIC FEMALE 37°R		90° Swept Elbow R		45° Swept Elbow R				NPTF MALE 60°seat	
		AGJ		DKJ		DKJ-90°		DKJ-45°				AGN	
Страница / Page		8		8		9		9					
CEL				DKOL									
		0500M				0085M		0185M		0285M			
		METRIC MALE 24°				FEMALE 24°OR		90° Swept Elbow OR		45° Swept Elbow OR			
		CEL				DKOL		DKOL-90°		DKOL-45°			
Страница / Page		10		10		11		11					
CES				DKOS									
		0450M				0084M		0184M		0284M			
		METRIC MALE 24°				FEMALE 24°OR		90° Swept Elbow OR		45° Swept Elbow OR			
		CES				DKOS		DKOS-90°		DKOS-45°			
Страница / Page		12		12		13		13		14		14	
SAE flange													
		1250M		1050M		1150M		1300M		1100M		1200M	
		3000 psi SOLID		3000 psi SOLID 90°		3000 psi SOLID 45°		6 000 psi SOLID		6000 psi SOLID 90°		6000 psi SOLID 45°	
		SFL		SFL 90°		SFL 45°		SFS		SFS 90°		SFS 45°	
Страница / Page		15		15		15							
Super CAT													
		130SM		110SM		120SM							
		9000 psi SOLID		9000 psi SOLID 90°		9000 psi SOLID 45°							
		SFC		SFC 90°		SFC 45°							

Dimensions and general characteristics may be changed at any time without prior notice.

Data contained herein are for information purpose only, and it does not enlarge, amend or imply any warranty other than provided by us with the product.
Any use of the product not in conformance with our instructions may be dangerous.



Ниппель спиральный рукав / Multispiral tail

Страница / Page	16	16	17
			
	F432	F032	F132
	MALE 24°	FEMALE 24°	90° Swept Elbow
	SFF	SFM	SFM-90°

Ниппеля спиральных рукавов: диаметры

Multispiral Inserts: Available Sizes

Multispiral	1/4"	3/8"	1/2"	5/8"	3/4"	1"
-------------	------	------	------	------	------	----

Dimensions and general characteristics may be changed at any time without prior notice.

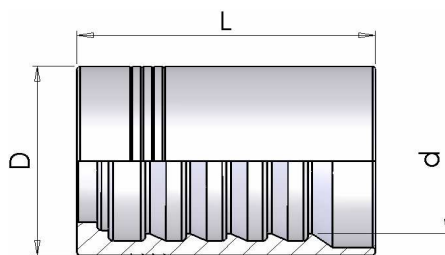
Data contained herein are for information purpose only, and it does not enlarge, amend or imply any warranty other than provided by us with the product
Any use of the product not in conformance with our instructions may be dangerous.

0019 Муфта обжимная (зачистная)

Swaged Ferrule (skive)

для рукава / for hose:

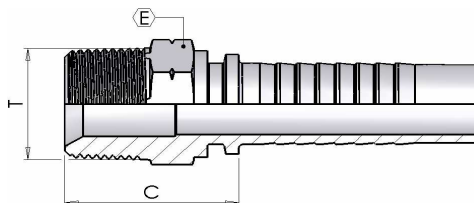
R9 - 4SP - 4SH



part number	hose I.D.		Dimension			skive	valid for
	in	mm	D	L	d	length	
0019-04	1/4	6,4	21,0	40,0	15,3	30	R9 - DIN 4SP - 4SH
0019-06	3/8	9,5	25,4	43,0	18,1	31	R9 - DIN 4SP - 4SH
0019-08	1/2	12,7	30,0	45,0	22,2	34	R9 - DIN 4SP - 4SH
0019-10	5/8	15,9	33,4	50,0	25,5	38	R9 - DIN 4SP - 4SH
0019-12	3/4	19	38,0	55,0	29,4	39	R9 - DIN 4SP - 4SH
0019-16	1	25,4	46,0	75,0	36,1	56	R9 - DIN 4SP - 4SH

0370M Штуцер NPTF конус 60°

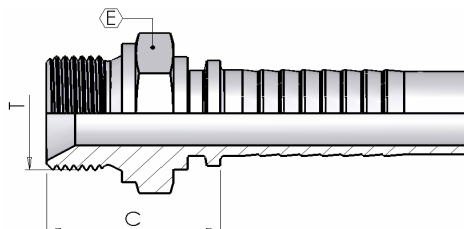
(AGN) NPTF Male 60° cone



part number	hose I.D.		Dimension			
			dash size	thread	hex	cut-off
	in	mm		T	E	C
0370M04-04	1/4	6,4	04	1/4-18	15	29
0370M04-06	1/4	6,4	04	3/8-18	19	29
0370M06-06	3/8	9,5	06	3/8-18	19	29
0370M08-08	1/2	12,7	08	1/2-14	22	35
0370M12-12	3/4	19	12	3/4-14	27	39
0370M16-16	1	25,4	16	1-11.1/2	36	46

0350M Штуцер BSP конус 60°

(AGR) BSP Male Parallel 60° cone

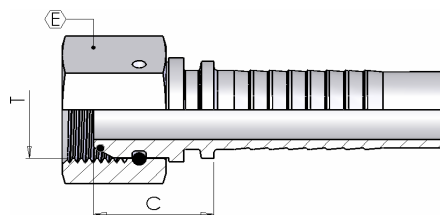


part number	hose I.D.		Dimension			
			dash size	thread	hex	cut-off
	in	mm		T	E	C
0350M04-04	1/4	6,4	04	1/4-19	19	28
0350M06-06	3/8	9,5	06	3/8-19	22	30
0350M08-08	1/2	12,7	08	1/2-14	27	33
0350M10-10	5/8	15,9	10	5/8-14	30	35
0350M12-12	3/4	19	12	3/4-14	32	37
0350M16-16	1	25,4	16	1-11	41	42

0050M Ниппель BSP конус 60°

(DKR)

BSP Female 60° cone Thrust Wire

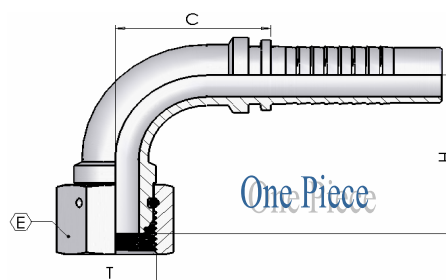


part number	hose I.D.		Dimension			
	in	mm	dash size	thread T	hex E	cut-off C
0050M04-04	1/4	6,4	04	1/4-19	19	20
0050M06-06	3/8	9,5	06	3/8-19	22	21
0050M08-08	1/2	12,7	08	1/2-14	27	23
0050M10-10	5/8	15,9	10	5/8-14	30	23
0050M12-12	3/4	19	12	3/4-14	32	27
0050M16-16	1	25,4	16	1-11	38	30

0150M Ниппель 90° BSP конус 60°

(DKR 90°)

BSP 90° Swept Elbow 60° cone Thrust Wire

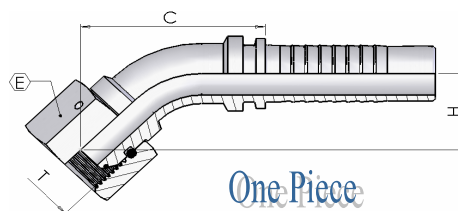


part number	hose I.D.		Dimension				
	in	mm	dash size	thread T	hex E	drop H	cut-off C
0150M04-04	1/4	6,4	04	1/4-19	19	28	26
0150M06-06	3/8	9,5	06	3/8-19	22	34	35
0150M08-08	1/2	12,7	08	1/2-14	27	40	40
0150M10-10	5/8	15,9	10	5/8-14	30	46	46
0150M12-12	3/4	19	12	3/4-14	32	56	58
0150M16-16	1	25,4	16	1-11	38	68	72

0250M Ниппель 45° BSP конус 60°

(DKR 45°)

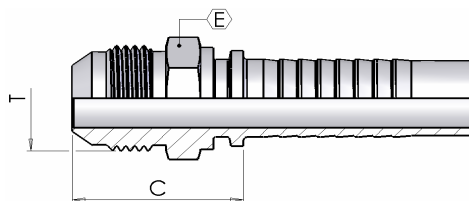
BSP 45° Swept Elbow 60° cone Thrust Wire



part number	hose I.D.		Dimension				
	in	mm	dash size	thread T	hex E	drop H	cut-off C
0250M04-04	1/4	6,4	04	1/4-19	19	16	43
0250M06-06	3/8	9,5	06	3/8-19	22	19	54
0250M08-08	1/2	12,7	08	1/2-14	27	23	67
0250M10-10	5/8	15,9	10	5/8-14	30	24	70
0250M12-12	3/4	19	12	3/4-14	32	29	87
0250M16-16	1	25,4	16	1-11	38	35	108

0850M Штуцер JIC конус 74°

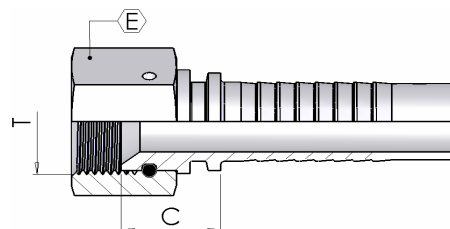
(AGJ) JIC Male 74° cone



part number	hose I.D.		Dimension			
			dash size	thread	hex	cut-off
	in	mm		T	E	C
0850M04-04	1/4	6,4	04	7/16-20	12	28
0850M06-06	3/8	9,5	06	9/16-18	15	28
0850M06-08	3/8	9,5	06	3/4-16	19	32
0850M08-08	1/2	12,7	08	3/4-16	19	32
0850M08-10	1/2	12,7	08	7/8-14	24	36
0850M10-10	5/8	15,9	10	7/8-14	24	36
0850M10-12	5/8	15,9	10	1.1/16-12	27	40
0850M12-12	3/4	19	12	1.1/16-12	27	40
0850M12-16	1	25,4	16	1.5/16-12	34	43
0850M16-16	1	25,4	16	1.5/16-12	34	45

0900M Ниппель JIC конус 74°

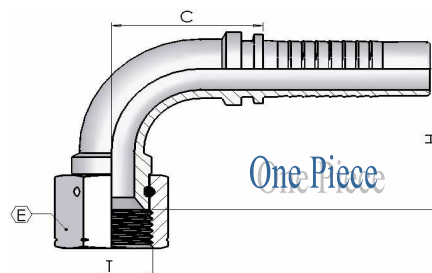
(DKJ) JIC Female 74° cone Thrust Wire



part number	hose I.D.		Dimension			
			dash size	thread	hex	cut-off
	in	mm		T	E	C
0900M04-04	1/4	6,4	04	7/16-20	17	16
0900M06-06	3/8	9,5	06	9/16-18	19	18
0900M08-08	1/2	12,7	08	3/4-16	24	20
0900M08-10	1/2	12,7	08	7/8-14	27	21
0900M10-10	5/8	15,9	10	7/8-14	27	21
0900M10-12	5/8	15,9	10	1.1/16-12	32	22
0900M12-12	3/4	19	12	1.1/16-12	32	23
0900M12-16	3/4	19	12	1.5/16-12	41	26
0900M16-16	1	25,4	16	1.5/16-12	41	27

0950M Ниппель 90° JIC конус 74°

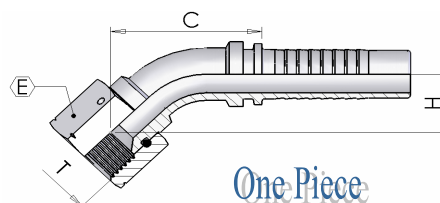
(DKJ 90°) JIC 90° Swept Elbow 74° cone Thrust Wire



part number	hose I.D.		Dimension				
			dash size	thread T	hex E	drop H	cut-off C
0950M04-04	1/4	6,4	04	7/16-20	17	26	26
0950M06-06	3/8	9,5	06	9/16-18	19	33	35
0950M08-08	1/2	12,7	08	3/4-16	24	39	40
0950M08-10	1/2	12,7	08	7/8-14	27	41	40
0950M10-10	5/8	15,9	10	7/8-14	27	45	46
0950M12-12	3/4	19	12	1.1/16-12	32	54	58
0950M16-16	1	25,4	16	1.5/16-12	41	68	72

1000M Ниппель 45° JIC конус 74°

(DKJ 45°) JIC 45° Swept Elbow 74° cone Thrust Wire

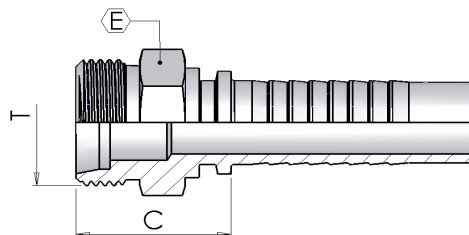


part number	hose I.D.		Dimension				
			dash size	thread T	hex E	drop H	cut-off C
1000M04-04	1/4	6,4	04	7/16-20	17	15	42
1000M06-06	3/8	9,5	06	9/16-18	19	18	53
1000M08-08	1/2	12,7	08	3/4-16	24	23	66
1000M08-10	1/2	12,7	08	7/8-14	27	23	67
1000M10-10	5/8	15,9	10	7/8-14	27	23	69
1000M12-12	3/4	19	12	1.1/16-12	32	28	85
1000M16-16	1	25,4	16	1.5/16-12	41	36	109

0500M Штуцер метрика 24°L

(CEL)

Metric Male 24° Seat Light

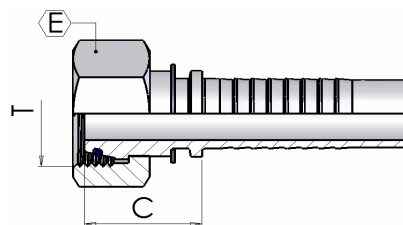


part number	hose I.D.		Dimension				
			dash size	thread T	erm.	hex E	cut-off C
0500M08-22	1/2	12,7	08	M22-1.5	15	22	26
0500M10-26	5/8	15,9	10	M30-2	18	27	27
0500M12-30	3/4	19	12	M36-2	22	30	34
0500M16-36	1	25,4	16	M36-2	28	36	34

0085M Ниппель метрика 24°L

(DKOL)

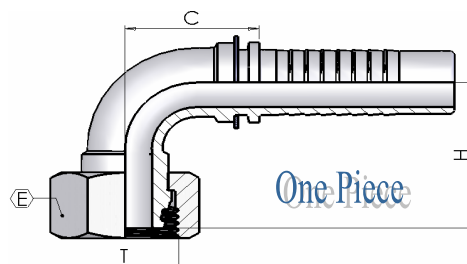
Metric Female 24° Seat Light



part number	hose I.D.		Dimension				
			dash size	thread T	erm.	hex E	cut-off C
0085M06-18	3/8	9,5	06	M18-1.5	12	22	25
0085M08-22	1/2	12,7	08	M22-1.5	15	27	29
0085M10-26	5/8	15,9	10	M26-1.5	18	32	29
0085M12-30	3/4	19	12	M30-2	22	36	31
0085M16-36	1	25,4	16	M36-2	28	41	32

0185M Ниппель 90° метрика 24°L

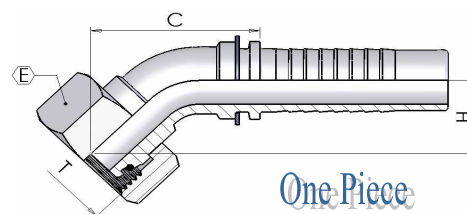
(DKOL 90°) 90° Metric Swept Elbow 24° Seat Light



part number	hose I.D.		Dimension					
			dash size	thread	erm.	hex E	drop H	cut-off C
0185M06-18	3/8	9,5	06	M18-1.5	12	22	33	35
0185M08-22	1/2	12,7	08	M22-1.5	15	27	37	44
0185M10-26	5/8	15,9	10	M26-1.5	18	32	44	47
0185M12-30	3/4	19	12	M30-2	22	36	52	59
0185M16-36	1	25,4	16	M36-2	28	41	63	74

0285M Ниппель 45° метрика 24°L

(DKOL 45°) 45° Metric Swept Elbow 24° Seat Light

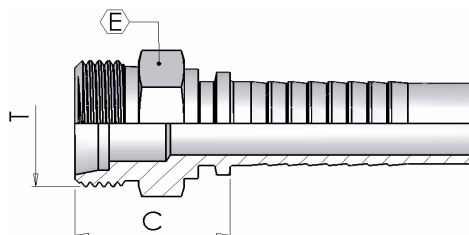


part number	hose I.D.		Dimension					
			dash size	thread	erm.	hex E	drop H	cut-off C
0285M06-18	3/8	9,5	06	M18-1.5	12	22	21	54
0285M08-22	1/2	12,7	08	M22-1.5	15	27	21	80
0285M10-26	5/8	15,9	10	M26-1.5	18	32	24	71
0285M12-30	3/4	19	12	M30-2	22	36	27	85
0285M16-36	1	25,4	16	M36-2	28	41	35	105

0450M Штуцер метрический конус 24°, S

(CES)

Metric Male 24° Seat Heavy

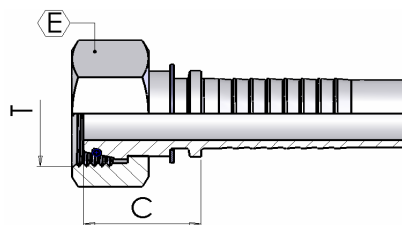


part number	hose I.D.		Dimension				
			dash size	thread T	erm.	hex E	cut-off C
0450M08-24	1/2	12,7	08	M24-1.5	16	24	32
0450M10-30	5/8	15,9	10	M30-2	20	30	34
0450M12-30	3/4	19	12	M30-2	20	36	36
0450M12-36	3/4	19	12	M36-2	25	36	40
0450M16-42	1	25,4	16	M42-2	30	46	44

0084M Ниппель метрический, конус 24°, S

(DKOS)

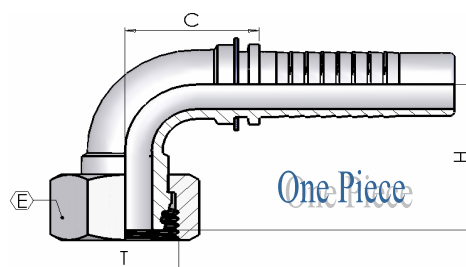
Metric Female 24° Seat Heavy



part number	hose I.D.		Dimension				
			dash size	thread T	erm.	hex E	cut-off C
0084M04-16	1/4	6,4	04	M16-1.5	8	19	27
0084M06-20	3/8	9,5	06	M20-1.5	12	24	25
0084M08-24	1/2	12,7	08	M24-1.5	16	30	29
0084M10-30	5/8	15,9	10	M30-2	20	36	34
0084M12-30	3/4	19	12	M30-2	20	36	35
0084M12-36	3/4	19	12	M36-2	25	46	41
0084M16-36	1	25,4	16	M36-2	25	46	43
0084M16-42	1	25,4	16	M42-2	30	50	45

0184M **Ниппель метрический 90°, конус 24°, S**
(DKOS 90°)

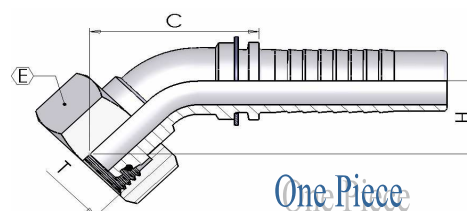
90° Metric Swept Elbow 24° Seat Heavy



part number	hose I.D.		Dimension					
			dash size	thread	erm.	hex	drop	cut-off
	in	mm		T		E	H	C
0184M04-16	1/4	6,4	04	M16-1.5	8	19	26	28
0184M06-20	3/8	9,5	06	M20-1.5	12	24	33	35
0184M08-24	1/2	12,7	08	M24-1.5	16	30	38	42
0184M10-30	5/8	15,9	10	M30-2	20	36	50	47
0184M12-30	3/4	19	12	M30-2	20	36	56	59
0184M12-36	3/4	19	12	M36-2	25	46	59	58
0184M16-42	1	25,4	16	M42-2	30	50	67	74

0284M **Ниппель метрический 45°, конус 24°, S**
(DKOS 45°)

45° Metric Swept Elbow 24° Seat Heavy

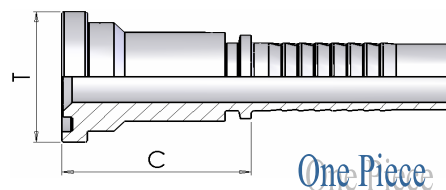


part number	hose I.D.		Dimension					
			dash size	thread	erm.	hex	drop	cut-off
	in	mm		T		E	H	C
0284M04-16	1/4	6,4	04	M16-1.5	8	19	15	38
0284M06-20	3/8	9,5	06	M20-1.5	12	24	19	45
0284M08-24	1/2	12,7	08	M24-1.5	16	30	21	64
0284M10-30	5/8	15,9	10	M30-2	20	36	29	74
0284M12-30	3/4	19	12	M30-2	20	36	30	91
0284M12-36	3/4	19	12	M36-2	25	46	31	91
0284M16-42	1	25,4	16	M42-2	30	50	33	107

1250M **Фланец SEA 3000 PSI прямой**

(SFL)

Straight SAE Flange 3000 PSI

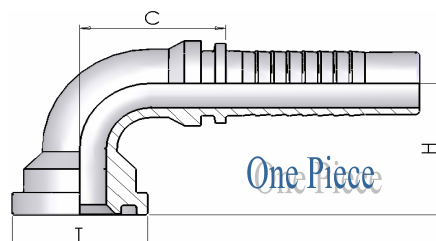


part number	hose I.D.		dash size	Dimension		cut-off
	in	mm		flange T	mm	
1250M08-08	1/2	12,7	08	1/2	30,2	46
1250M08-12	1/2	12,7	08	3/4	38.1	50
1250M10-12	5/8	15,9	10	3/4	38.1	50
1250M12-12	3/4	19	12	3/4	38.1	51
1250M12-16	3/4	19	12	1	44.5	54
1250M16-16	1	25,4	16	1	44.5	56
1250M16-20	1	25,4	16	1.1/4	50.8	59

1050M **Фланец SEA 3000 PSI 90°**

(SFL 90°)

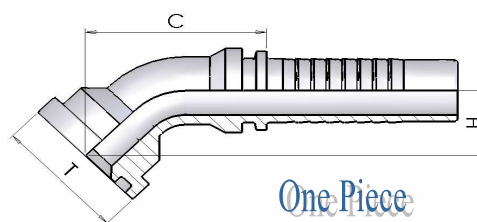
90° SAE Flange 3000 PSI



part number	hose I.D.		dash size	Dimension		drop	cut-off
	in	mm		flange T	mm		
1050M08-08	1/2	12,7	08	1/2	30,2	39	40
1050M08-12	1/2	12,7	08	3/4	38.1	44	40
1050M10-12	5/8	15,9	10	3/4	38.1	47	46
1050M12-12	3/4	19	12	3/4	38.1	53	58
1050M12-16	3/4	19	12	1	44.5	58	58
1050M16-16	1	25,4	16	1	44.5	65	72
1050M16-20	1	25,4	16	1.1/4	50.8	70	72

1150M Фланец SEA 3000 PSI 45°

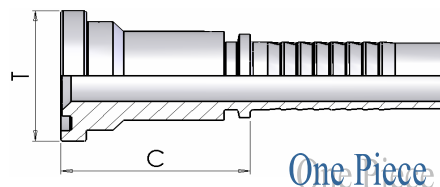
(SFL 45°) 45° SAE Flange 3000 PSI



part number	hose I.D.		dash size	Dimension		drop H	cut-off C
	in	mm		flange T	mm		
1150M08-08	1/2	12,7	08	1/2	30,2	22	63
1150M08-12	1/2	12,7	08	3/4	38,1	25	69
1150M10-12	5/8	15,9	10	3/4	38,1	24	70
1150M12-12	3/4	19	12	3/4	38,1	27	84
1150M12-16	3/4	19	12	1	44,5	30	88
1150M16-16	1	25,4	16	1	44,5	33	106
1150M16-20	1	25,4	16	1.1/4	50,8	37	110

1300M Фланец SEA 6000 PSI прямой

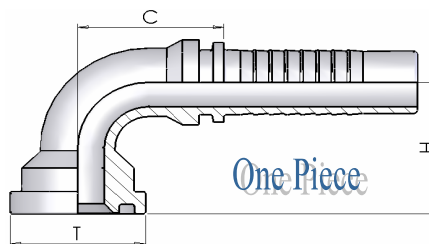
(SFS) Straight SAE Flange 6000 PSI



part number	hose I.D.		dash size	Dimension		cut-off C
	in	mm		flange T	mm	
1300M08-08	1/2	12,7	08	1/2	31,7	47
1300M08-12	1/2	12,7	08	3/4	41,3	54
1300M10-12	5/8	15,9	10	3/4	41,3	54
1300M12-12	3/4	19	12	3/4	41,3	55
1300M12-16	3/4	19	12	1	47,6	61
1300M12-20	3/4	19	12	1.1/4	54	69
1300M16-12	1	25,4	16	3/4	41,3	57
1300M16-16	1	25,4	16	1	47,6	63
1300M16-20	1	25,4	16	1.1/4	54	70

1100M **Фланец SEA 6000 PSI 90°**

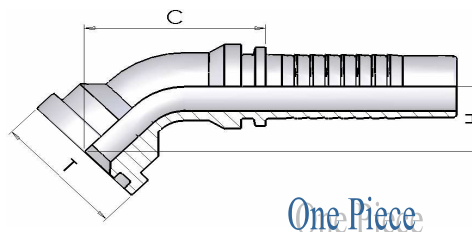
(SFS 90°) 90° SAE Flange 6000 PSI



part number	hose I.D.		dash size	Dimension		drop H	cut-off C
				flange T	mm		
1100M08-08	1/2	12,7	08	1/2	31,7	39	40
1100M08-12	1/2	12,7	08	3/4	41,3	48	40
1100M10-12	5/8	15,9	10	3/4	41,3	51	46
1100M12-12	3/4	19	12	3/4	41,3	57	58
1100M12-16	3/4	19	12	1	47,6	63	56
1100M16-12	1	25,4	16	3/4	41,3	64	72
1100M16-16	1	25,4	16	1	47,6	69	72
1100M16-20	1	25,4	16	1.1/4	54	77	72

1200M **Фланец SEA 6000 PSI 45°**

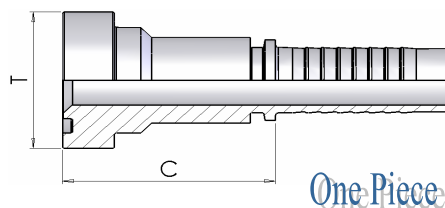
(SFS 45°) 45° SAE Flange 6000 PSI



part number	hose I.D.		dash size	Dimension		drop H	cut-off C
				flange T	mm		
1200M08-08	1/2	12,7	08	1/2	31,7	22	66
1200M08-12	1/2	12,7	08	3/4	41,3	28	70
1200M10-12	5/8	15,9	10	3/4	41,3	27	73
1200M12-12	3/4	19	12	3/4	41,3	30	87
1200M12-16	3/4	19	12	1	47,6	34	94
1200M16-12	1	25,4	16	3/4	41,3	35	103
1200M16-16	1	25,4	16	1	47,6	37	109
1200M16-20	1	25,4	16	1.1/4	54	41	115

130SM **Фланец "CAT" прямой**

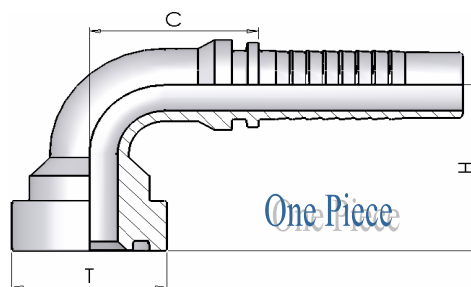
(SFC) Straight 'CAT' Flange



part number	hose I.D.		Dimension				
			dash size	flange			cut-off
	in	mm		T	mm		
130SM12-12	3/4	19	12	3/4	41		59
130SM12-16	3/4	19	12	1	48		66
130SM16-16	1	25,4	16	1	48		67
130SM16-20	1	25,4	16	1.1/4	54		75

110SM **Фланец "CAT" 90°**

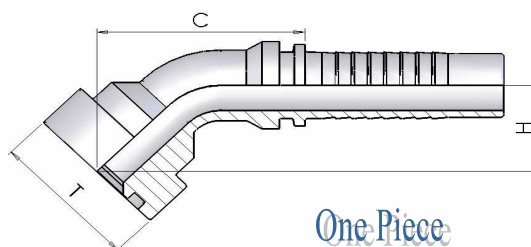
(SFC 90°) 90° 'CAT' Flange



part number	hose I.D.		Dimension				
			dash size	flange		drop	cut-off
	in	mm		T	mm	H	C
110SM12-12	3/4	19	12	3/4	41	60	58
110SM12-16	3/4	19	12	1	48	67	58
110SM16-16	1	25,4	16	1	48	74	80
110SM16-20	1	25,4	16	1.1/4	54	80	79

120SM **Фланец "CAT" 45°**

(SFC 45°) 45° 'CAT' Flange



part number	hose I.D.		Dimension				
			dash size	flange		drop	cut-off
	in	mm		T	mm	H	C
120SM12-12	3/4	19	12	3/4	41	32	90
120SM12-16	3/4	19	12	1	48	33	97
120SM16-16	1	25,4	16	1	48	40	121
120SM16-20	1	25,4	16	1.1/4	54	44	124

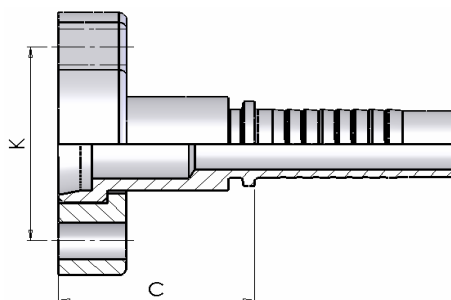
F432M

F434M

(SFF)

Фланец POCLAIN штуцер

POCLAIN Male Flange



part number	hose I.D.		dash size	flange T	Dimension			
	in	mm					dim K	cut-off C
F432M08-08	1/2	12,7	08	1/2			44	41
F432M10-10	5/8	15,9	10	5/8			44	41
F432M12-12	3/4	19	12	3/4			56	52
F432M16-16	1	25,4	16	1			64	64
F432M20-20	1.1/4	31,8	20	1.1/4			74	70
F434M08-08	1/2	12,7	08	1/2			40	41
F434M10-10	5/8	15,9	10	5/8			40	41
F434M12-12	3/4	19	12	3/4			51	52
F434M16-16	1	25,4	16	1			57	64
F434M20-20	1.1/4	31,8	20	1.1/4			67	70

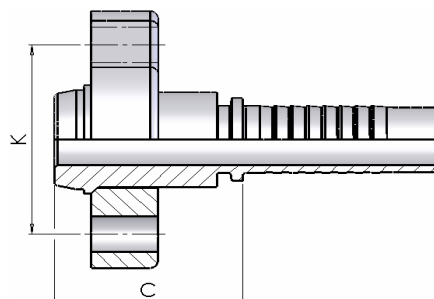
F032M

F034M

(SFM)

Фланец POCLAIN ниппель

POCLAIN Female Flange



part number	hose I.D.		dash size	flange T	Dimension			
	in	mm					dim K	cut-off C
F032M08-08	1/2	12,7	08	1/2			44	45
F032M10-10	5/8	15,9	10	5/8			44	44
F032M12-12	3/4	19	12	3/4			56	51
F032M16-16	1	25,4	16	1			64	62
F032M20-20	1.1/4	31,8	20	1.1/4			74	82
F034M08-08	1/2	12,7	08	1/2			40	45
F034M10-10	5/8	15,9	10	5/8			40	44
F034M12-12	3/4	19	12	3/4			51	51
F034M16-16	1	25,4	16	1			57	62
F034M20-20	1.1/4	31,8	20	1.1/4			67	82

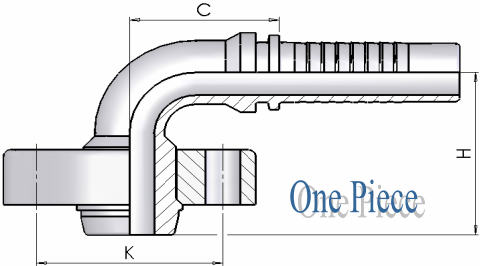
F132M

F134M

(SFM 90°)

Фланец РОСЛАИН ниппель 90°

90° POCLAIN Female Flange



part number	hose I.D.		Dimension						
	in	mm	dash size	flange T			dim K	drop H	cut-off C
F132M08-08	1/2	12,7	08	1/2			44	50	40
F132M10-10	5/8	15,9	10	5/8			44	52	48
F132M12-12	3/4	19	12	3/4			56	62	63
F132M16-16	1	25,4	16	1			64	81	80
F132M20-20	1.1/4	31,8	20	1.1/4			74	96	98
F134M08-08	1/2	12,7	08	1/2			40	50	40
F134M10-10	5/8	15,9	10	5/8			40	52	48
F134M12-12	3/4	19	12	3/4			51	62	63
F134M16-16	1	25,4	16	1			57	81	80
F134M20-20	1.1/4	31,8	20	1.1/4			67	96	98

