



GRYPHON FLEX™

Hydraulic Fittings Catalogue

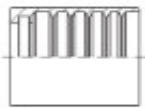
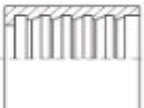
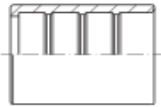
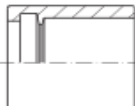


- ✓ Meets SAE standards
- ✓ Cost-effective fittings line
- ✓ Robust with reliable performance
- ✓ Qualified with GryphonFlex™ hose



**Gryphon
Flex™**

FERRULES

FERRULE FOR ONE WIRE HOSE	00110A Non-skive  A1	00110 Non-skive  A1
FERRULE FOR TWO WIRE HOSE	00210 Non-skive  A2	
FERRULE FOR ONE OR TWO WIRE HOSE	03310 Non-skive  A2	
FERRULE FOR NYLON HOSE	00018  A3	
FERRULE FOR TEFLON HOSE	00TF0  A3	

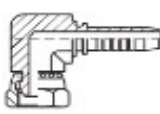
NAVIGATION



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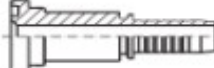
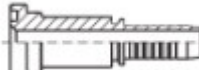


TWO PIECE FITTING

METRIC 24° CONE O-RING SEAL L.T.	10411 M Metric - STR  B1	20411 F Metric - STR  B1	20441 F Metric - 45 Elbow  B2	20491 F Metric - 90 Elbow  B2
	10511 M Metric - STR  B3	20511 F Metric - STR  B3	20541 F Metric - 45 Elbow  B4	20591 F Metric - 90 Elbow  B4
	12611A M BSP - STR  B5	22611 F BSP - STR  B5	22611D F BSP - Double H.  B6	22641 F BSP - 45 Elbow  B6
22691 F BSP - 90 Elbow  B7	22691K F BSP - 90 Compact  B7			NAVIGATION Just click to go to the page 
BSP FLAT SEAL	22211 F BSP - STR  B8	22241 F BSP - 45 Elbow  B8	22291 F BSP - 90 Elbow  B8	
	14211 M ORFS- STR  B9	24211 F ORFS - STR  B9	24241 F ORFS - 45 Elbow  B10	24291 F ORFS - 90 Elbow  B10
MALE NPT SERIES	15611 M NPT - STR  B11	15611SW M NPT - SWIVEL  B11		

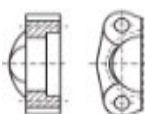
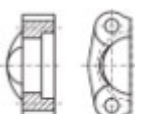
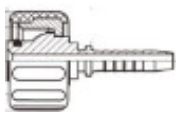


TWO PIECE FITTING

SAE O-RING SEAL	16011 M SAE - STR  B12			
	16711 M JIC - STR  B12	26711 F JIC - STR  B13	26711D F JIC - Double H.  B13	26741 F JIC - 45 Elbow  B14
26791 F JIC - 90 Elbow  B14	26791K F JIC - 90 Compact  B15			— NAVIGATION — Just click to go to the page 
SAE 90° CONE SEAL	17811 M SAE - STR  B16	27811 F SAE - STR  B16	27841 F SAE - 45 Elbow  B16	27891 F SAE - 90 Elbow  B17
	21611 F NPSM - STR  B17			
SAE CODE 61 FLANGE	87311 Code 61 Flange  B18	87341 Code 61 Flange  B18	87391 Code 61 Flange  B18	87391-H Long Drop  B19
	87611 Code 62 Flange  B19	87641 Code 62 Flange  B20	87691 Code 62 Flange  B20	87691-H Long Drop  B20

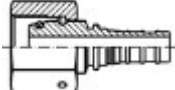
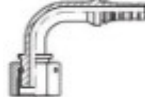


TWO PIECE FITTING

SAE SPLIT FLANGE	FL Split Flange - L.T  B21	FS Split Flange - H.T  B21	NAVIGATION Just click to go to the page	
	18611 M JIS M - STR  B21	28611 F JISMetric  B22	28641 F JISMetric  B22	28691 F JISMetric  B22
JIS METRIC 60° CONE SEAL	19611 M JIS GAS - STR  B23	29611 F JIS GAS - STR  B23	29641 F JIS GAS  B23	29691 F JIS GAS  B24
	20011 Water Insert  B24			
METRIC WATER WASH INSERTS				

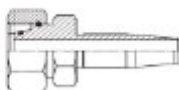
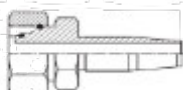
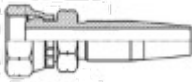
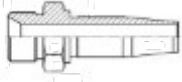
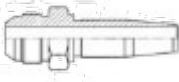
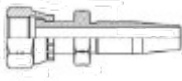
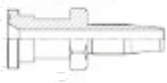


TWO PIECE INTERLOCKING FITTING

24° CONE O-RING SEAL H.T.	10513 M Metric - STR  B25	20513 F Metric - STR  B25	20543 F Metric - 45 Elbow  B25	20593 F Metric - 90 Elbow  B26
	12613 M BSP - STR  B26	22613-W F BSP - STR  B26	22643-W F BSP - 45 Elbow  B26	22693-W F BSP - 90 Elbow  B26
BSP	15613 M NPT - STR  B27		NAVIGATION  Just click to go to the page	
	21613-W F NPSM - STR  B27			
NPSM 60 CONE SEAL	24213-W F ORFS - STR  B28	24243-W F ORFS - 45 Elbow  B28	24293-W F ORFS - 90 Elbow  B28	
	26713-W F JIC - STR  B29	26743-W F JIC - 45 Elbow  B29	26793-W F JIC - 90 Elbow  B29	26713D-W F JIC - DOUBLE H.  B29
ORFS FACE SEAL	29613-W F JIS GAS - STR  B30			
JIC 74° CONE SEAL				
JIC 60° CONE SEAL				

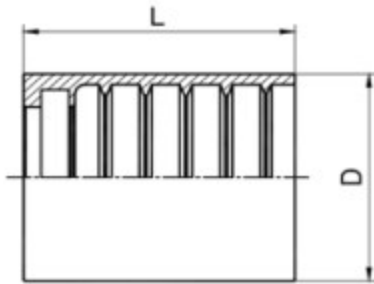


TWO PIECE INTERLOCKING FITTING

SAE FLANGE H.T.	87613 Code 62 Flange  B30	87643 Code 62 Flange  B30	87693 Code 62 Flange  B30	
	87913 Caterpillar Flange  B31	87943 Caterpillar Flange  B31	87993 Caterpillar Flange  B31	— NAVIGATION — Just click to go to the page
	00518 Reuseable Ferrule for R5  B32	20418D F Metric L - 24° Cone with O-Ring  B32	20518D F Metric S - 24° Cone with O-Ring  B32	
FEMALE BSP THREAD 60° CONE SEAL SERIES	22618D F BSP - 60° Cone  B33		15618 M NPT  B33	
MALE JIC THREAD 74° CONE SEAL SERIES	16718 M JIC - 74° Cone Seal  B33			
FEMALE JIC THREAD 74° CONE SEAL SERIES	26718D F JIC - 74° Cone Seal  B34	24218D F JIC - 74° Cone Seal  B34		
FLANGE SERIES	87318D Code 61 Flange 3000 PSI  B35	87398D Code 61 Flange 3000 PSI - 90°  B35	87698D Code 62 Flange 6000 PSI - 90°  B35	



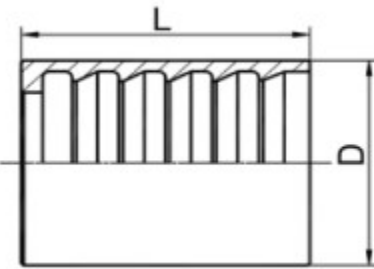
Ferrule for SAE 100 R1AT/EN853 1SN Hose -
Non Skive
SAE100R1AT/EN853 1SN



00110-A

PART NO	HOSE		DIMENSION	
	DN	DASH	D	L
00110-04A	6	4	21	30
00110-05A	8	5	21.8	31
00110-06A	10	6	24.3	32
00110-08A	13	8	28.4	34
00110-10A	16	10	32	37
00110-12A	19	12	35.5	43
00110-16A	25	16	44	50
00110-20A	32	20	53	59
00110-24A	38	24	59.3	74
00110-32A	51	32	73.5	77

Ferrule for SAE 100 R1AT/EN853 1SN Hose -
Non Skive
SAE100R1AT/EN853 1SN

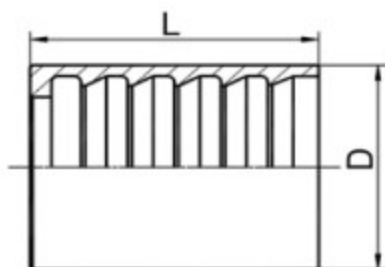


00110

PART NO	HOSE		DIMENSION	
	DN	DASH	D	L
00110-03	5	3	17.5	27
00110-04	6	4	20.6	30
00110-05	8	5	20.8	31
00110-06	10	6	23.3	32
00110-08	13	8	27	34
00110-10	16	10	30	37
00110-12	19	12	34	43
00110-16	25	16	42.6	50
00110-20	32	20	52	59
00110-24	38	24	58	74
00110-32	51	32	72	78



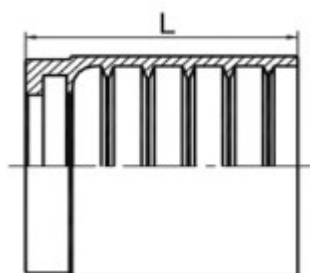
Ferrule for SAE 100 R2AT/EN853 2SN Hose -
Non Skive
SAE100R2AT/EN853 2SN



00210

PART NO	HOSE		DIMENSION	
	DN	DASH	D	L
00210-04	6	4	22.3	30
00210-05	8	5	23	31
00210-06	10	6	25	32
00210-08	13	8	28.7	34
00210-10	16	10	31.5	37
00210-12	19	12	35.5	43
00210-16	25	16	45	50
00210-20	32	20	55	59
00210-24	38	24	62.5	74
00210-32	51	32	75.5	78

Ferrule for SAE 100R1AT\ R2AT, EN853
1SN\2SN - Non Skive
SAE100R1AT\R2AT EN853 1SN\2SN

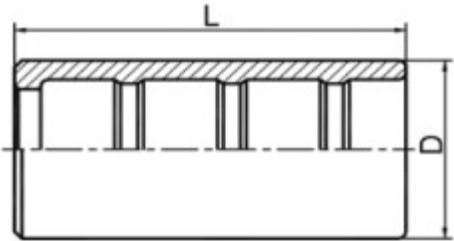


03310

PART NO	HOSE		DIMENSION	
	DN	DASH	D	L
03310-04	6	4	23.2	30
03310-05	8	5	24	30
03310-06	10	6	26	32
03310-08	13	8	29.9	34
03310-10	16	10	33	36
03310-12	19	12	37.2	42
03310-16	25	16	46.2	50
03310-20	32	20	59	59
03310-24	38	24	67	72
03310-32	51	32	80	75



FERRULE FOR SAE100R7/R8 HOSE
SAE100 R7/R8

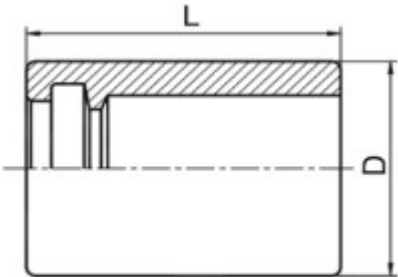


00018

PART NO	HOSE		DIMENSION	
	DN	DASH	D	L
00018-03	5	3	14.2	27
00018-04	6	4	17	29
00018-05	8	5	18.8	31
00018-06	10	6	21	31
00018-08	12	8	25.5	34
00018-10	16	10	31.5	36
00018-12	20	12	33	43

FERRULE FOR TEFLON HOSE

Ferrule for Teflon Hose

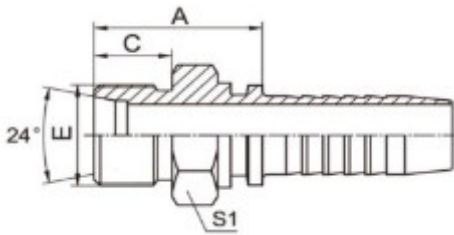


00TF0

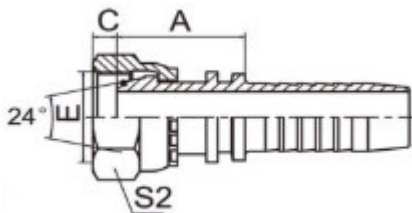
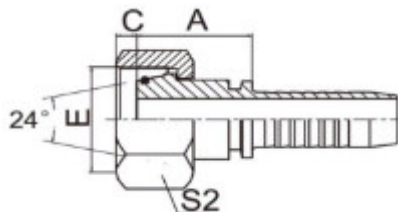
PART NO	HOSE		DIMENSION	
	DN	DASH	D	L
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00TF0-04	6	4	14.5	30.7
00TF0-05	8	5	16.5	30.6
00TF0-06	10	6	19	32.1
00TF0-08	12	8	24	34.3
00TF0-10	16	10	27	37
00TF0-12	20	12	30.1	42.8
00TF0-14	22	14	33.4	42.7
00TF0-16	25	16	38	50.8



M Metric L - 24° Cone

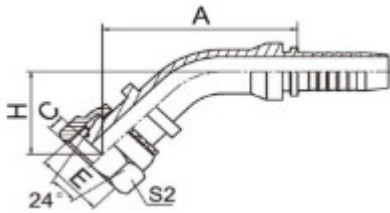
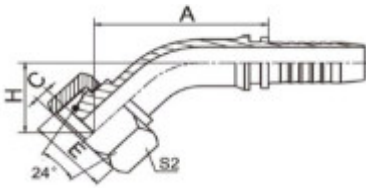
**10411**

PART NO	THREAD E	HOSE	TUBE	DIMENSION		
		DN	OD	A	C	S1
10411-12-04	M12X1.5	6	6	20.5	10	12
10411-14-04	M14X1.5	6	8	20.5	10	14
10411-14-05	M14X1.5	8	8	21.5	10	14
10411-16-04	M16X1.5	6	10	22.5	11	17
10411-16-05	M16X1.5	8	10	22.5	11	17
10411-16-06	M16X1.5	10	10	22.5	11	17
10411-18-05	M18X1.5	8	12	23.5	11	19
10411-18-06	M18X1.5	10	12	21.5	11	19
10411-22-06	M22X1.5	10	15	24.5	12	24
10411-22-08	M22X1.5	12	15	26	12	24
10411-26-08	M26X1.5	12	18	26.5	12	27
10411-26-10	M26X1.5	16	18	27	12	27
10411-27-10	M27X1.5	16	18	32	14	30
10411-30-10	M30X2	16	22	29	14	32
10411-30-12	M30X2	20	22	29	14	32
10411-36-16	M36X2	25	28	31.5	14	38
10411-45-20	M45X2	32	35	36	16	46
10411-52-24	M52X2	40	42	38	16	55

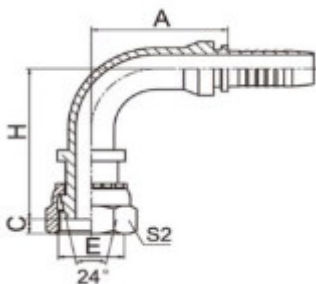
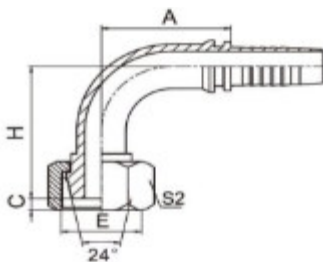
F Metric L - 24° Cone
with O-Ring**20411****20411-T**

PART NO	THREAD E	HOSE	TUBE	O-RING	DIMENSION		
		DN	OD	E	A	C	S1
20411-12-04	M12X1.5	6	6	O04.5X1.5	26	1	17
20411-14-04	M14X1.5	6	8	O06.5X1.5	28	2	19
20411-14-06	M14X1.5	10	8	O06.5X1.5	28	2	19
20411-16-04	M16X1.5	6	10	O08.0X1.5	28	2	22
20411-16-05	M16X1.5	8	10	O08.0X1.5	28	2	22
20411-16-06	M16X1.5	10	10	O08.0X1.5	28	2	22
20411-18-06	M18X1.5	10	12	O10.0X1.5	29	2.5	24
20411-18-08	M18X1.5	12	12	O10.0X1.5	30	2.5	24
20411-22-08	M22X1.5	12	15	O12.0X2.0	32	2.5	27
20411-26-10	M26X1.5	16	18	O15.0X2.0	35	2.5	32
20411-26-12	M26X1.5	20	18	O15.0X2.0	35	2.5	32
20411-27-12	M27X1.5	20	18	O15.0X2.0	35	2.5	32
20411-30-12	M30X2	20	22	O20.0X2.0	38	4	36
20411-18-05T	M18X1.5	8	12	O10.0X1.5	28	1.8	22
20411-22-05T	M22X1.5	8	15	O12.0X2.0	30	2.1	27
20411-22-06T	M22X1.5	10	15	O12.0X2.0	29	2.5	27
20411-27-10T	M27X1.5	16	18	O15.0X2.0	28	2.5	32
20411-30-10T	M30X2	16	22	O20.0X2.0	35	4	36
20411-36-12T	M36X2	20	28	O26.0X2.0	35	4	41
20411-36-14T	M36X2	22	28	O26.0X2.0	36	4	41
20411-45-16T	M45X2	25	35	O32.0X2.5	41	5	55
20411-45-20T	M45X2	32	35	O32.0X2.5	42	5	55
20411-52-20T	M52X2	32	42	O38.0X2.5	44	5.5	60
20411-52-24T	M52X2	40	42	O38.0X2.5	44	5.5	60



F Metric L - 24° Cone with O-Ring - 45°

20441

20441-T

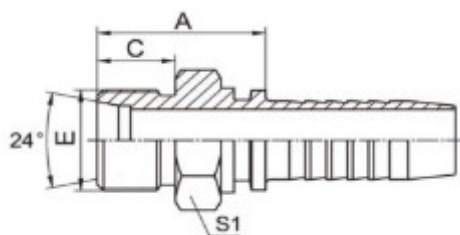
PART NO	THREAD E	HOSE	TUBE	O-RING	DIMENSION			
		DN	OD	E	A	C	H	S2
20441-14-04	M14X1.5	6	8	O06.5X1.5	49	2	27	19
20441-16-05	M16X1.5	8	10	O08.0X1.5	51.5	2	28.5	22
20441-16-06	M16X1.5	10	10	O08.0X1.5	53.4	2	29.5	22
20441-18-06	M18X1.5	10	12	O10.0X1.5	54.2	2.5	29.9	24
20441-22-08	M22X1.5	12	15	O12.0X2.0	68.1	2.5	33.2	27
20441-26-10	M26X1.5	16	18	O15.0X2.0	80.7	2.5	35.9	32
20441-26-12	M26X1.5	20	18	O15.0X2.0	86.9	2.5	39.5	32
20441-27-12	M27X1.5	20	18	O15.0X2.0	89.1	2.5	39.5	32
20441-30-12	M30X2	20	22	O20.0X2.0	89.1	4	41.7	36
20441-18-05T	M18X1.5	8	12	O10.0X1.5	46.2	2.5	22.9	22
20441-22-05T	M22X1.5	8	15	O12.0X2.0	48.3	2.5	25	27
20441-22-06T	M22X1.5	10	15	O12.0X2.0	50.4	2.5	25.7	27
20441-26-08T	M26X1.5	12	18	O15.0X2.0	62	2.5	26.1	32
20441-27-10T	M27X1.5	16	18	O15.0X2.0	72	2.5	27.7	32
20441-30-10T	M30X2	16	22	O20.0X2.0	71.5	4	30.3	36
20441-36-12T	M36X2	20	28	O26.0X2.0	82	4	33.9	41
20441-36-14T	M36X2	22	28	O20.0X2.0	83.7	4	33.3	41
20441-45-20T	M45X2	32	35	O32.0X2.5	99.6	5.5	40.8	55
20441-52-20T	M52X2	32	42	O38.0X2.5	103	5.5	41.9	60
20441-52-24T	M52X2	40	42	O38.0X2.5	117	5.5	45.8	60

F Metric L - 24° Cone with O-Ring - 90°

20491

20491-T

PART NO	THREAD E	HOSE	TUBE	O-RING	DIMENSION			
		DN	OD	E	A	C	H	S2
20491-12-03	M12X1.5	5	6	O04.5X1.5	26.5	1	41.5	17
20491-12-04	M12X1.5	6	6	O04.5X1.5	30	1	44.5	17
20491-14-04	M14X1.5	6	8	O06.5X1.5	30	2	46	19
20491-16-04	M16X1.5	6	10	O08.0X1.5	30	2	46.5	22
20491-16-05	M16X1.5	8	10	O08.0X1.5	33	2	49.5	22
20491-16-06	M16X1.5	10	10	O08.0X1.5	35.3	2	51.8	22
20491-18-06	M18X1.5	10	12	O10.0X1.5	35.3	2.5	53.3	24
20491-22-08	M22X1.5	12	15	O12.0X2.0	41	2.5	61	27
20491-26-10	M26X1.5	16	18	O15.0X2.0	56.5	2.5	67.5	32
20491-27-12	M27X1.5	20	18	O15.0X2.0	65.5	2.5	77	32
20491-30-12	M30X2	20	22	O20.0X2.0	65.5	4	80	36
20491-18-05T	M18X1.5	8	12	O10.0X1.5	33	2.5	42	22
20491-22-06T	M22X1.5	10	15	O12.0X2.0	35.3	2.5	47.3	27
20491-26-08T	M26X1.5	12	18	O15.0X2.0	42	2.5	51	32
20491-27-10T	M27X1.5	16	18	O15.0X2.0	56.5	2.5	65.5	32
20491-30-10T	M30X2	16	22	O20.0X2.0	56.5	4	57.2	36
20491-36-12T	M36X2	20	28	O26.0X2.0	65.5	4	69	41
20491-36-14T	M36X2	22	28	O26.0X2.0	71.2	4	70	41
20491-45-16T	M45X2	25	35	O32.0X2.5	76.6	5	75	55
20491-45-20T	M45X2	32	35	O32.0X2.5	91.5	5	88.5	55
20491-52-20T	M52X2	32	42	O38.0X2.5	93	5.5	87	60
20491-52-24T	M52X2	40	42	O38.0X2.5	109	5.5	104	60



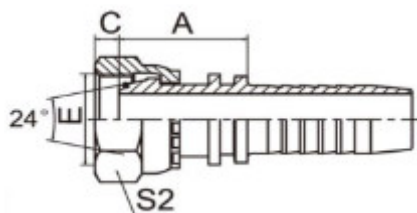
M Metric S - 24° Cone



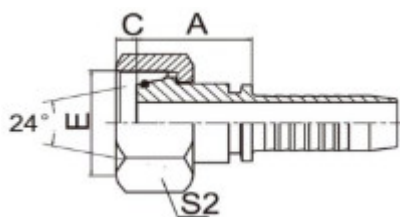
10511

PART NO	THREAD E	HOSE	TUBE	DIMENSION		
		DN	OD	A	C	S1
10511-14-04	M14X1.5	6	6	24.1	12	14
10511-16-04	M16X1.5	6	8	26.5	12	17
10511-18-04	M18X1.5	6	10	26.5	12	19
10511-20-05	M20X1.5	8	12	27	12	22
10511-20-06	M20X1.5	10	12	26.5	12	22
10511-22-05	M22X1.5	8	14	30.5	14	24
10511-22-06	M22X1.5	10	14	30.5	14	24
10511-22-08	M22X1.5	12	14	31	14	24
10511-24-08	M24X1.5	12	16	31.5	14	27
10511-30-10	M30X2	16	20	36	16	32
10511-30-12	M30X2	20	20	36	16	32
10511-36-12	M36X2	20	25	40.5	18	41
10511-36-16	M36X2	25	25	41.5	18	38
10511-42-16	M42X2	25	30	44	20	46
10511-42-20	M42X2	32	30	45	20	46
10511-52-20	M52X2	32	38	50	22	55

F Metric S - 24° Cone with O-Ring



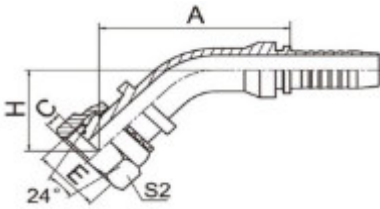
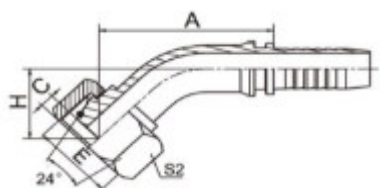
20511



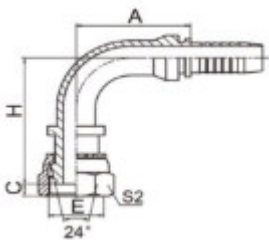
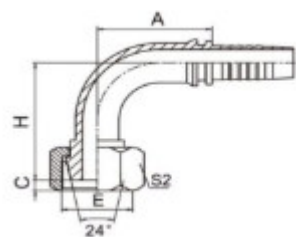
20511-T

PART NO	THREAD E	HOSE	TUBE	O-RING	DIMENSION		
		DN	OD	E	A	C	S2
20511-14-04	M14X1.5	6	6	O04.5X1.5	29	1.1	19
20511-16-04	M16X1.5	6	8	O06.5X1.5	29	1.5	22
20511-16-05	M16X1.5	8	8	O06.5X1.5	29	1.5	22
20511-18-06	M18X1.5	10	10	O08.0X1.5	29	2	24
20511-20-08	M20X1.5	12	12	O10.0X1.5	32	2.5	27
20511-22-08	M22X1.5	12	14	O11.0X2.0	32	2.5	27
20511-30-12	M30X2	20	20	O16.3X2.4	39	3	36
20511-18-04T	M18X1.5	6	10	O08.0X1.5	27	2	22
20511-20-06T	M20X1.5	10	12	O10.0X1.5	29	2.5	24
20511-22-06T	M22X1.5	10	14	O11.0X2.0	29	2.5	27
20511-24-08T	M24X1.5	12	16	O13.0X2.0	30	3	30
20511-30-10T	M30X2	16	20	O16.3X2.4	36	3	36
20511-36-12T	M36X2	20	25	O20.3X2.4	36	3	41
20511-36-14T	M36X2	22	25	O20.3X2.4	36	3	41
20511-42-12T	M42X2	20	30	O25.3X2.4	40	5	50
20511-42-16T	M42X2	25	30	O25.3X2.4	41	5	50
20511-52-20T	M52X2	32	38	O33.3X2.4	44	6.5	60
20511-52-24T	M52X2	40	38	O33.3X2.4	44	6.5	60



F Metric S - 24° Cone with O-Ring - 45°

20541

20541-T

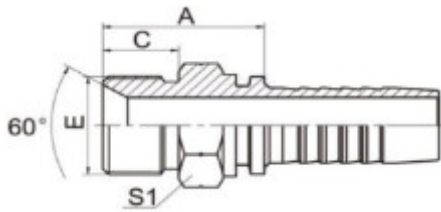
PART NO	THREAD E	HOSE TUBE		O-RING E	DIMENSION			
		DN	OD		A	C	H	S2
20541-14-04	M14.X1.5	6	6	O04.5X1.5	50.1	1.1	28	19
20541-16-04	M16X1.5	6	8	O06.5X1.5	50.4	1.5	28.3	22
20541-16-05	M16X1.5	8	8	O06.5X1.5	52.2	1.5	28.9	22
20541-18-06	M18X1.5	10	10	O08.0X1.5	54.3	2	29.6	24
20541-20-08	M20X1.5	12	12	O10.0X1.5	67.8	2.5	32.8	27
20541-22-08	M22X1.5	12	14	O11.0X2.0	68.1	2.5	33.2	27
20541-24-10	M24X1.5	16	16	O13.0X2.0	80.7	2.5	35.9	30
20541-30-12	M30X2	20	20	O16.3X2.4	90.5	3	42.4	36
20541-18-04T	M18X1.5	6	10	O08.0X1.5	43.4	2	21.3	22
20541-20-06T	M20X1.5	10	12	O10.0X1.5	49.7	2.5	25	24
20541-22-06T	M22X1.5	10	14	O11.0X2.0	49.6	2.5	25.3	27
20541-24-08T	M24X1.5	12	16	O13.0X2.0	62.5	3	27.5	30
20541-30-10T	M30X2	16	20	O16.3X2.4	75.8	3	31	36
20541-36-12T	M36X2	20	25	O20.3X2.4	82.7	3	34.6	41
20541-36-14T	M36X2	22	25	O20.3X2.4	84.4	3	34	41
20541-42-16T	M42X2	25	30	O25.3X2.4	92.3	5	36.8	50
20541-52-20T	M52X2	32	38	O33.3X2.4	103	6.5	41.2	60
20541-52-24T	M52X2	40	38	O33.3X2.4	116	6.5	45.1	60

F Metric S - 24° Cone with O-Ring - 90°

20591

20591-T

PART NO	THREAD E	HOSE TUBE		O-RING E	DIMENSION			
		DN	OD		A	C	H	S2
20591-14-04	M14.X1.5	6	6	O04.5X1.5	30	1.1	47.5	19
20591-16-04	M16X1.5	6	8	O06.5X1.5	30	1.5	48	22
20591-16-05	M16X1.5	8	8	O06.5X1.5	33	1.5	51	22
20591-18-06	M18X1.5	10	10	O08.0X1.5	35.3	2	52.8	24
20591-20-08	M20X1.5	12	12	O10.0X1.5	41	2.5	61	27
20591-22-08	M22X1.5	12	14	O11.0X2.0	41	2.5	61	27
20591-24-10	M24X1.5	16	16	O13.0X2.0	56.5	2.5	67.5	30
20591-30-12	M30X2	20	20	O16.3X2.4	65.5	3	81	36
20591-18-05T	M18X1.5	8	10	O08.0X1.5	33	2	52.8	24
20591-22-06T	M22X1.5	10	14	O11.0X2.0	35.3	2.5	46.8	27
20591-24-08T	M24X1.5	12	16	O13.0X2.0	41	3	53	30
20591-30-10T	M30X2	16	20	O16.3X2.4	56.5	3	60.5	36
20591-36-12T	M36X2	20	25	O20.3X2.4	66.2	3	70	41
20591-36-14T	M36X2	22	25	O20.3X2.4	71.2	3	71	41
20591-42-16T	M42X2	25	30	O25.3X2.4	78	5	77.5	50
20591-52-20T	M52X2	32	38	O33.3X2.4	93	6.5	89	60
20591-52-24T	M52X2	40	38	O33.3X2.4	109	6.5	103	60



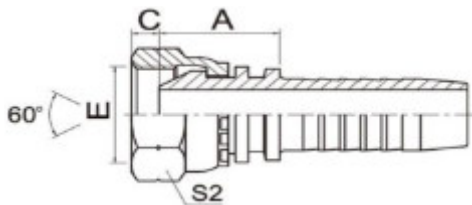
M BSP - 60° Cone or Bonded Seal



12611A

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S1
12611A-04-04	G1/4x19	6	4	24.5	12	19
12611A-04-05	G1/4x19	8	5	24.5	12	19
12611A-06-05	G3/8x19	8	5	26	13.5	22
12611A-06-06	G3/8x19	10	6	28	13.5	22
12611A-06-08	G3/8x19	12	8	28.5	13.5	22
12611A-08-06	G1/2x14	10	6	33	16	27
12611A-08-08	G1/2x14	12	8	33	16	27
12611A-08-10	G1/2x14	16	10	34	16	27
12611A-10-08	G5/8x14	12	8	35	17.5	30
12611A-10-10	G5/8x14	16	10	35.5	17.5	30
12611A-12-08	G3/4x14	12	8	36.5	18.5	32
12611A-12-10	G3/4x14	16	10	37.5	18.5	32
12611A-12-12	G3/4x14	20	12	37.5	18.5	32
12611A-16-12	G1x11	20	12	42.5	20.5	41
12611A-16-16	G1x11	25	16	43.5	20.5	41
12611A-20-16	G1-1/4x11	25	16	45.5	20.5	50
12611A-20-20	G1-1/4x11	32	20	46.5	20.5	50
12611A-24-24	G1-1/2x11	40	24	49	23	55
12611A-32-32	G2x11	50	32	54.5	25.5	70

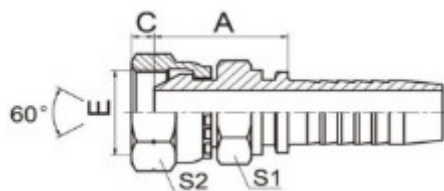
F BSP - 60° Cone Seal



22611

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S1
22611-02-04	G1/8"X28	6	4	15	5.5	14
22611-04-03	G1/4"X19	5	3	17	5.5	19
22611-04-04	G1/4"X19	6	4	18	5.5	19
22611-04-05	G1/4"X19	8	5	18	5.5	19
22611-04-06	G1/4"X19	10	6	18	5.5	19
22611-06-04	G3/8"X19	6	4	19	6.3	22
22611-06-05	G3/8"X19	8	5	19	6.3	22
22611-06-06	G3/8"X19	10	6	19.5	6.3	22
22611-06-08	G3/8"X19	12	8	19.5	6.3	22
22611-08-08	G1/2"X14	12	8	21.5	7.5	27
22611-10-08	G5/8"X14	12	8	22	9.5	30
22611-10-10	G5/8"X14	16	10	23.5	9.5	30
22611-12-10	G3/4"X14	16	10	24	10.9	32
22611-12-12	G3/4"X14	20	12	24	10.9	32
22611-16-14	G1"X11	22	14	26	11.7	41
22611-16-16	G1"X11	25	16	27	11.7	41
22611-08-06T	G1/2"X14	10	6	21	7.5	27
22611-12-08T	G3/4"X14	12	8	22	10.9	32
22611-16-12T	G1"X11	20	12	24	11.7	41
22611-20-16T	G1.1/4"X11	25	16	27.5	11	50
22611-24-20T	G1.1/4"X11	32	20	32	13	55
22611-32-24T	G2"X11	40	24	30	16	70
22611-20-20W	G1.1/4"X11	32	20	30.5	11	50
22611-24-24W	G1.1/2"X11	40	24	32	13	55
22611-32-32W	G2"X11	50	32	31.9	16	70

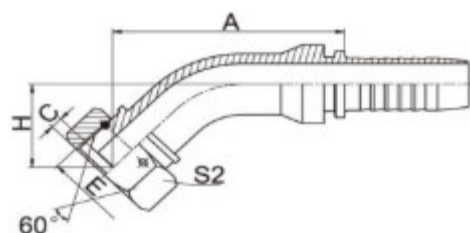
F BSP - 60° Cone Seal - Double Hexagon



22611D

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	S1	S2
22611D-04-04	G1/4"X19	6	4	23.5	5.5	19	19
22611D-06-06	G3/8"X19	10	6	26.5	6.3	22	22
22611D-08-08	G1/2"X14	12	8	31	7.5	27	27
22611D-10-08	G5/8"X14	12	8	32	9.5	30	30
22611D-12-08	G3/4"X14	12	8	33	10.9	32	32
22611D-12-12	G3/4"X14	20	12	34	10.9	32	32
22611D-16-16	G1"X11	25	16	35.5	11.7	41	41
22611D-20-20	G1.1/4"X11	32	20	43.5	11	50	50

F BSP - 60° Cone Seal - 45°

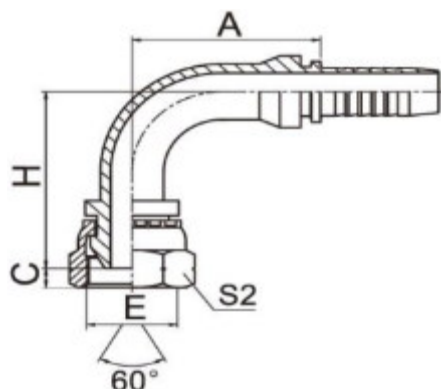


22641

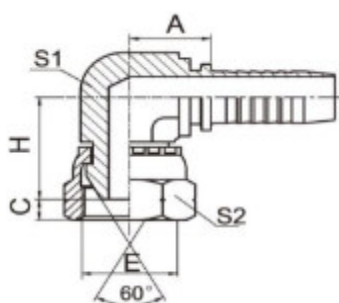
PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	S1	S2
22641-04-04	G1/4"X19	6	4	42.3	5.5	20.2	19
22641-06-04	G3/8"X19	6	4	43.2	6.3	21	22
22641-06-05	G3/8"X19	8	5	45.3	6.3	22	22
22641-06-06	G3/8"X19	10	6	46.9	6.3	22.6	22
22641-08-08	G1/2"X14	12	8	61.1	7.5	26.1	27
22641-10-08	G5/8"X14	12	8	61.4	9.5	26.5	30
22641-10-10	G5/8"X14	16	10	72.6	9.5	27.8	30
22641-12-10	G3/4"X14	16	10	73	10.9	28.2	32
22641-12-12	G3/4"X14	20	12	79.2	10.9	31.8	32
22641-16-16	G1"X11	25	16	88.4	11.7	34.2	41
22641-08-06T	G1/2"X14	10	6	48.1	7.5	23.9	27
22641-12-08T	G3/4"X14	12	8	61.8	10.9	26.9	32
22641-16-12T	G1"X11	20	12	80.8	11.7	33.4	41
22641-20-16T	G1.1/4"X11	25	16	85.3	11	31.1	50
22641-20-20W	G1.1/4"X11	32	20	98.8	11	38	50
22641-24-24W	G1.1/2"X11	40	24	117	13	45.5	55
22641-32-32W	G2"X11	50	32	136	15	52.7	70



F BSP - 60° Cone Seal - 90°

**22691**

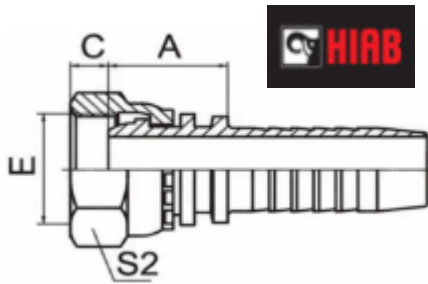
PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
22691-02-03	G1/8"X28	5	3	26.5	5.5	31.5	14
22691-02-04	G1/8"X28	6	4	30	5.5	34.5	14
22691-04-03	G1/4"X19	5	3	26.5	5.5	33.5	19
22691-04-04	G1/4"X19	6	4	30	5.5	36.5	19
22691-04-05	G1/4"X19	8	5	33	5.5	39.5	19
22691-04-06	G1/4"X19	10	6	30	5.5	36.5	19
22691-06-04	G3/8"X19	6	4	30	6.3	37.7	22
22691-06-05	G3/8"X19	8	5	33	6.3	40.7	22
22691-06-06	G3/8"X19	10	6	35.3	6.3	43	22
22691-08-08	G1/2"X14	12	8	41	7.5	51	27
22691-08-10	G1/2"X14	16	10	56.5	7.5	55.5	27
22691-10-08	G5/8"X14	12	8	41	9.5	51.5	30
22691-10-10	G5/8"X14	16	10	56.5	9.5	56	30
22691-12-10	G3/4"X14	16	10	56.5	10.9	56.6	32
22691-12-12	G3/4"X14	20	12	65.5	10.9	66	32
22691-16-14	G1"X11	22	14	71.2	11.7	69.3	41
22691-16-16	G1"X11	25	16	76.7	11.7	73.8	41
22691-08-06T	G1/2"X14	10	6	35.3	7	43.3	27
22691-12-08T	G3/4"X14	12	8	41	10.9	52.1	32
22691-16-12T	G1"X11	20	12	65.5	11.7	68.3	41
22691-20-16T	G1.1/4"X11	25	16	78	11	69.5	50
22691-20-20W	G1.1/4"X11	32	20	91.5	11	84.3	50
22691-24-24W	G1.1/2"X11	40	24	109	13	103	55
22691-32-32W	G2"X11	50	32	132	16	123	70

F BSP - 60° Cone Seal - 90°
Compact**22691K**

PART NO	THREAD E	HOSE		DIMENSION				
		DN	DASH	A	C	H	S1	S2
22691K-04-04	G1/4"X19	6	4	17.5	5.5	18.5	11	19
22691K-06-04	G3/8"X19	6	4	20	6.3	23	16	22
22691K-06-05	G3/8"X19	8	5	20	6.3	23	16	22
22691K-06-06	G3/8"X19	10	6	20	6.3	24	16	22
22691K-08-06	G1/2"X14	10	6	23	7.5	26.5	19	27
22691K-08-08	G1/2"X14	12	8	23.5	7.5	28.5	19	27
22691K-10-10	G5/8"X14	16	10	25	9.5	29.2	22	30
22691K-12-12	G3/4"X14	20	12	27.5	10.9	33	27	32
22691K-16-16	G1"X11	25	16	32.5	11.7	38.1	33	41

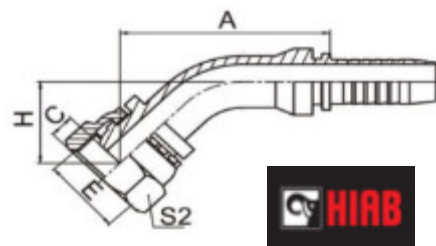


F BSP - Flat Seal

**22211**

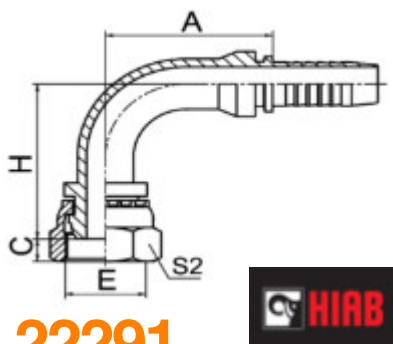
PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S1
22211-04-04	G1/4x19	6	4	15.5	8	19
22211-06-05	G3/8x19	8	5	17	9	22
22211-06-06	G3/8x19	10	6	16.5	9	22
22211-08-08	G1/2x14	12	8	18.5	10.5	27
22211-10-10	G5/8x14	16	10	21	12	30
22211-12-12	G3/4x14	20	12	21.5	13.5	32
22211-16-16	G1x11	25	16	23	15.5	41
22211-20-20	G1-1/4x11	32	20	26	15.5	50
22211-24-24	G1-1/2x11	40	24	27.5	17.5	55
22211-32-32	G2x11	50	32	30.5	23	70

F BSP - Flat Seal - 45°

**22241**

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
22241-04-04	G1/4x19	6	4	40.9	8	18.8	19
22241-06-06	G3/8x19	10	6	45.3	9	21	22
22241-08-08	G1/2x14	12	8	58.9	10.5	24	27
22241-12-12	G3/4x14	20	12	77.4	13.5	30	32
22241-14-14	G1x11	25	16	82.7	15.5	31.5	41
22241-20-20	G1-1/4x11	32	20	97.3	15.5	36.6	50

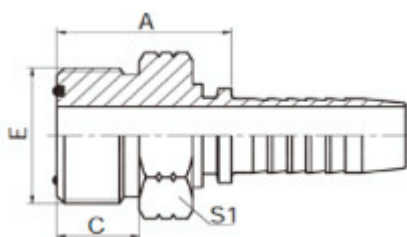
F BSP - Flat Seal - 90°

**22291**

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
22291-04-04	G1/4x19	6	4	30	8	34.5	19
22291-06-06	G3/8x19	10	6	35.3	9	41.3	22
22291-08-08	G1/2x14	12	8	41	10.5	48	27
22291-12-12	G3/4x14	20	12	65.5	13.5	63.5	32
22291-16-16	G1x11	25	16	76.7	15.5	70	41
22291-20-20	G1-1/4x11	32	20	91.5	15.5	82.5	50
22291-24-24	G1-1/2x11	40	24	109	17.5	98.5	55



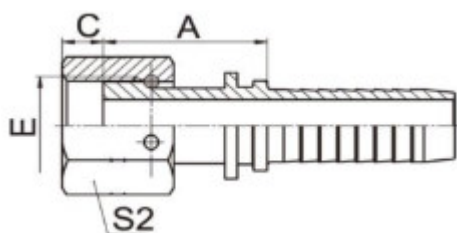
M ORFS - Flat Seal



14211

PART NO	THREAD E	HOSE		O-RING O	DIMENSION		
		DN	DASH		A	C	S1
14211-04-04	9/16"X18	6	4	O011	22	9.8	17
14211-06-04	11/16"X16	6	4	O012	24	11	19
14211-06-06	11/16"X16	10	6	O012	24	11	19
14211-08-06	13/16"X16	10	6	O014	28	13	22
14211-08-08	13/16"X16	12	8	O014	29	13	22
14211-08-10	13/16"X16	16	10	O014	29	13	22
14211-10-08	1"X14	12	8	O016	33	16	27
14211-10-10	1"X14	16	10	O016	34	16	27
14211-12-08	1.3/16"X12	12	8	O018	36	17	32
14211-12-10	1.3/16"X12	16	10	O018	37	17	32
14211-12-12	1.3/16"X12	20	12	O018	37	17	32
14211-16-12	1.7/16"X12	20	12	O021	37	18	38
14211-16-16	1.7/16"X12	25	16	O021	39	18	38
14211-20-20	1.11/16"X12	32	20	O025	42	18	46
14211-24-24	2"X12	40	24	O029	44	18	55

F ORFS - Flat Seal

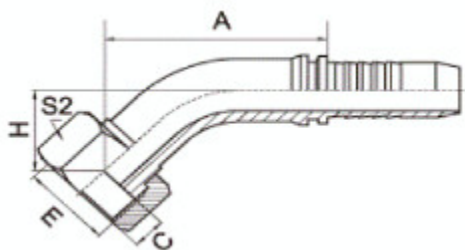


24211/24211-T

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S2
24211-04-04	9/16"X18	6	4	22.5	8.5	19
24211-04-05	9/16"X18	8	5	22.5	8.5	19
24211-04-06	9/16"X16	10	6	22.5	8.5	19
24211-06-06	11/16"X16	10	6	25.5	10	22
24211-06-08	11/16"X16	12	8	26	10	22
24211-08-08	13/16"X16	12	8	28	11	27
24211-08-10	13/16"X16	16	10	29	11	27
21211-10-10	1"X14	16	10	33.5	14	30
24211-10-12	1"X14	20	12	33.5	14	30
24211-12-12	1.3/16"X12	20	12	35	15	36
24211-12-16	1.3/16"X12	25	16	36	15	36
24211-16-20	1.7/16"X12	32	20	39.5	15	41
24211-06-04T	11/16"X16	6	4	23.5	10	22
24211-06-05T	11/16"X16	8	5	23.5	10	22
24211-08-05T	13/16"X16	8	5	25	11	27
24211-08-06T	13/16"X16	10	6	25	11	27
24211-10-08T	1"X14	12	8	29.5	14	30
24211-12-08T	1.3/16"X12	12	8	30.5	15	36
24211-12-10T	1.3/16"X12	16	10	31.5	15	36
24211-16-12T	1.7/16"X12	20	12	35	15	41
24211-16-14T	1.7/16"X12	22	14	34	15	41
24211-16-16T	1.7/16"X12	25	16	35	15	41
24211-20-16T	1.11/16"X12	25	16	35	15	50
24211-24-20T	2"X12	32	20	36	15	60
24211-24-24T	2"X12	40	24	36	15	60
24211-20-20W	1.11/16"X12	32	20	39.5	15	50
24211-20-24W	1.11/16"X12	40	24	39.5	15	50



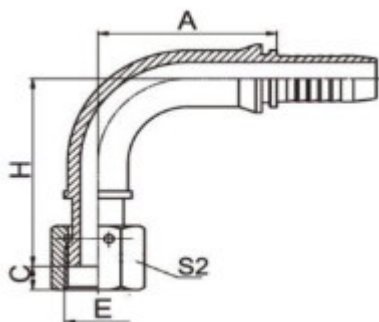
F ORFS - Flat Seal - 45°



24241/24241-T

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	H	C	S2
24241-04-04	9/16"X18	6	4	45.5	23	8.5	19
24241-04-05	9/16"X18	8	5	47.6	24	8.5	19
24241-04-06	9/16"X18	10	6	49.2	25	8.5	19
24241-06-06	11/16"X16	10	6	51.7	27	10	22
24241-06-08	11/16"X16	12	8	63.9	29	10	22
24241-08-08	13/16"X16	12	8	65.3	30	11	27
24241-08-10	13/16"X16	16	10	76.5	32	11	9
24241-10-10	1"X14	16	10	79.7	35	14	30
24241-10-12	1"X14	20	12	86.5	38	14	30
24241-12-12	1.3/16"X12	20	12	87.6	40	15	36
24241-12-16	1.3/16"X12	25	16	95.3	41	15	36
24241-16-20	1.7/16"X12	32	20	103.8	46	15	41
24241-06-04T	11/16"X16	6	4	39.5	17	10	22
24241-06-05T	11/16"X16	8	5	42.3	19	10	22
24241-08-06T	13/16"X16	10	6	44.6	20	11	27
24241-10-08T	1"X14	12	8	58.2	23	14	30
24241-12-08T	1.3/16"X12	12	8	58.2	23	15	36
24241-12-10T	1.3/16"X12	16	10	69.4	25	15	36
24241-16-12T	1.7/16"X12	20	12	74	30	15	41
24241-16-14T	1.7/16"X12	22	14	78.7	29	15	41
24241-16-16T	1.7/16"X12	25	16	84.1	30	15	41
24241-20-16T	1.11/16"X12	25	16	80.9	33	15	50
24241-24-20T	2"X12	32	20	94.5	34	15	60
24241-24-24T	2"X12	40	24	108.5	38	15	60
24241-20-20W	1.11/16"X12	32	20	111.2	49	15	50
24241-20-24W	1.11/16"X12	40	24	123.6	53	15	50

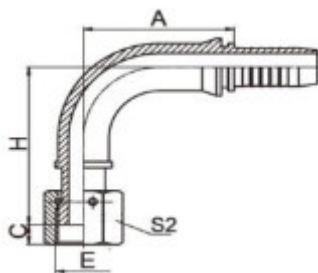
F ORFS - Flat Seal - 90°



24291/24291-T

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	H	C	S2
24291-04-04	9/16"X18	6	4	30	41	8.5	19
24291-04-05	9/16"X18	8	5	33	44	8.5	19
24291-04-06	9/16"X18	10	6	35.3	46	8.5	19
24291-06-06	11/16"X16	10	6	35.3	50	10	22
24291-06-08	11/16"X16	12	8	41	55	10	22
24291-08-08	13/16"X16	12	8	41	57	11	27
24291-08-10	13/16"X16	16	10	56.5	62	11	27
24291-10-10	1"X14	16	10	56.5	66	14	30
24291-10-12	1"X14	20	12	65.5	76	14	30
24291-12-12	1.3/16"X12	20	12	65.5	77	15	36
24291-12-16	1.3/16"X12	25	16	76.7	84	15	36
24291-16-20	1.7/16"X12	32	20	91.5	96	15	41
24291-06-05T	11/16"X16	8	5	33	38	10	22
24291-08-06T	13/16"X16	10	6	35.3	40	11	27
24291-10-08T	1"X14	12	8	41	46	14	30
24291-12-10T	1.3/16"X12	16	10	56.5	52	15	36
24291-16-12T	1.7/16"X12	20	12	65.5	63	15	41
24291-16-14T	1.7/16"X12	22	14	71.2	63	15	41
24291-16-16T	1.7/16"X12	25	16	76.9	68	15	41

F ORFS - Flat Seal - 90°

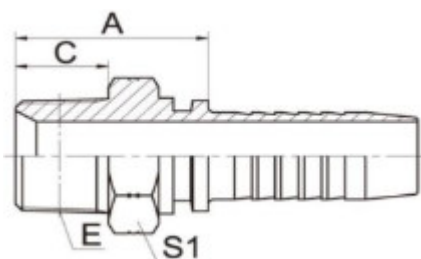


24291-T

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	H	C	S2
24291-20-16T	1.11/16"X12	25	16	76.7	67.5	15	50
24291-24-20T	2"X12	32	20	91.5	78.5	14.8	60
24291-24-24T	2"X12	40	24	109	92	14.8	60
24291-20-20W	1.11/16"X12	32	20	93	100	15	50
24291-20-24W	1.11/16"X12	40	24	109	114	15	50

MALE NPT SERIES

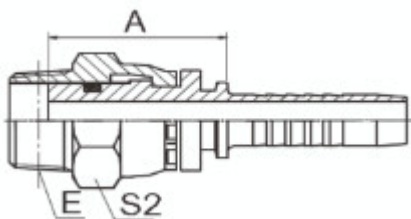
M NPT



15611

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S2
15611-02-03	Z1/8"X27	5	3	22.5	10.5	12
15611-02-04	Z1/8"X27	6	4	22.5	10.5	12
15611-04-03	Z1/4"X18	5	3	27.5	15	17
15611-04-04	Z1/4"X18	6	4	28	15	17
15611-04-05	Z1/4"X18	8	5	28	15	17
15611-04-06	Z1/4"X18	10	6	27	15	17
15611-06-04	Z3/8"X18	6	4	28	16	19
15611-06-05	Z3/8"X18	8	5	28	16	19
15611-06-06	Z3/8"X18	10	6	30	16	19
15611-06-08	Z3/8"X18	12	8	30.5	16	19
15611-08-06	Z1/2"X14	10	6	34.5	19.5	22
15611-08-08	Z1/2"X14	12	8	34.5	19.5	22
15611-08-10	Z1/2"X14	16	10	36	19.5	22
15611-12-08	Z3/8"X14	12	8	37.5	19.5	27
15611-12-10	Z3/4"X14	16	10	38	19.5	27
15611-12-12	Z3/4"X14	20	12	38.5	19.5	27
15611-12-16	Z3/4"X14	25	16	39.5	19.5	32
15611-16-10	Z1"X11.5	16	10	45	25.5	36
15611-16-12	Z1"X11.5	20	12	45	25.5	36
15611-16-16	Z1"X11.5	25	16	44.5	25.5	36
15611-20-16	Z1.1/4"X11.5	25	16	49.5	26.5	46
15611-20-20	Z1.1/4"X11.5	32	20	49	26.5	46
15611-24-24	Z1.1/2"X11.5	40	24	51	27.5	50
15611-32-32	Z2"X11.5	50	32	55	27.5	65

M NPT - SWIVEL

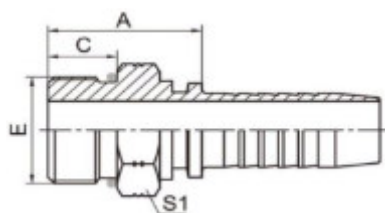


15611-SW

PART NO	THREAD E	HOSE		DIMENSION	
		DN	DASH	A	S2
15611SW-04-04	Z1/4"X18	6	4	56	19
15611SW-06-06	Z3/8"X18	10	6	60	22
15611SW-08-08	Z1/2"X14	12	8	66	27
15611SW-12-12	Z3/4"X14	20	12	68.4	32



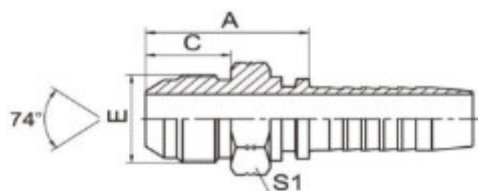
M SAE - O-Ring Seal

**16011**

PART NO	THREAD E	HOSE		O-RING	DIMENSION		
		DN	DASH	O	A	C	S1
16011-04-04	7/16"X20	6	4	O904	22	9.1	14
16011-05-06	1/2"X20	6	4	O905	22	9.1	17
16011-06-05	9/16"X18	8	5	O906	23	9.9	17
16011-06-06	9/16"X18	10	6	O906	23	9.9	17
16011-08-06	3/4"X16	10	6	O908	25	11	22
16011-08-08	3/4"X16	12	8	O908	25	11	22
16011-10-08	7/8"X14	12	8	O910	30	13	27
16011-10-10	7/8"X14	16	10	O910	31	13	27
16011-12-10	1.1/16"X12	16	10	O912	34	15	32
16011-12-12	1.1/16"X12	20	12	O912	34	15	32
16011-16-16	1.5/16"X12	25	16	O916	36	15	38

JIC 74° CONE SEAL SERIES

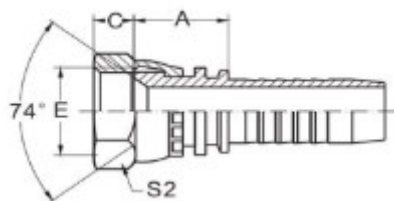
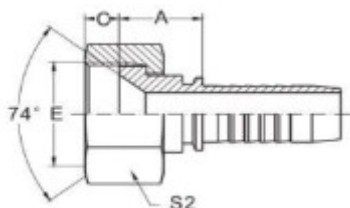
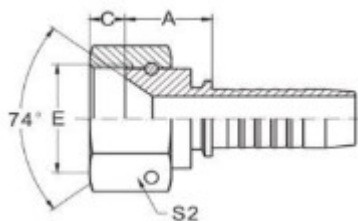
M JIC - 74° Cone Seal

**16711**

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S1
16711-04-03	7/16"X20	5	3	26	14	12
16711-04-04	7/16"X20	6	4	26.5	14	12
16711-05-04	1/2"X20	6	4	26.5	14	14
16711-05-05	1/2"X20	8	5	26.5	14	14
16711-05-06	1/2"X20	10	6	26.5	14	17
16711-06-04	9/16"X18	6	4	26.5	14	17
16711-06-05	9/16"X18	8	5	26.5	14	17
16711-06-06	9/16"X18	10	6	26.5	14	17
16711-08-06	3/4"X16	10	6	31.5	17	22
16711-08-08	3/4"X16	12	8	32	17	22
16711-10-06	7/8"X14	10	6	32	19	24
16711-10-08	7/8"X14	12	8	34.3	19	24
16711-10-10	7/8"X14	16	10	35.5	19	24
16711-12-08	1.1/16"X12	12	8	39	22	27
16711-12-10	1.1/16"X12	16	10	40	22	27
16711-12-12	1.1/16"X12	20	12	40	22	27
16711-12-16	1.1/16"X12	25	16	41	22	30
16711-14-10	1.3/16"X12	16	10	41.5	23	32
16711-14-12	1.3/16"X12	20	12	40.6	23	32
16711-16-12	1.5/16"X12	20	12	42.5	23	36
16711-16-16	1.5/16"X12	25	16	43.5	23	36
16711-20-16	1.5/8"X12	25	16	46.5	24	46
16711-20-20	1.5/8"X12	32	20	47.5	24	46
16711-24-20	1.7/8"X12	32	20	53	28	50
16711-24-24	1.7/8"X12	40	24	53	28	50
16711-32-32	2.1/2"X12	50	32	62	34	65

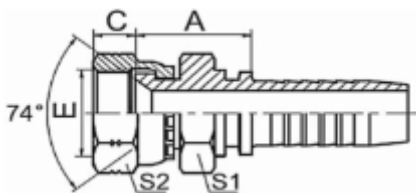


F JIC - 74° Cone Seal

**26711****26711-T****26711-W**

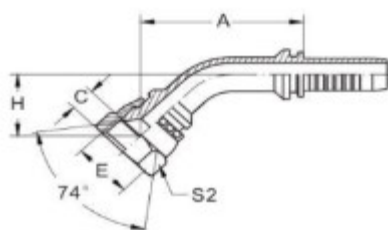
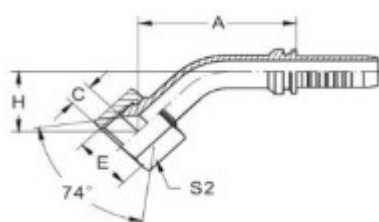
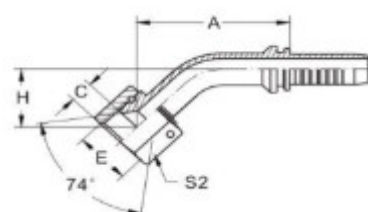
PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S1
26711-04-03	7/16"X20	5	3	14.5	9	15
26711-04-04	7/16"X20	6	4	15	9	15
26711-05-04	1/2"X20	6	4	15.5	9.5	17
26711-05-05	1/2"X20	8	5	15.5	9.5	17
26711-05-06	1/2"X20	10	6	15.5	9.5	17
26711-06-04	9/16"X18	6	4	15.5	10.5	19
26711-06-05	9/16"X18	8	5	15.5	10.5	19
26711-06-06	9/16"X18	10	6	15.5	10.5	19
26711-06-08	9/16"X18	12	8	16	10.5	19
26711-08-06	3/4"X16	10	6	17.5	11	24
26711-08-08	3/4"X16	12	8	18	11	24
26711-08-10	3/4"X16	16	10	19.5	11	24
26711-10-08	7/8"X14	12	8	18.5	13	27
26711-10-10	7/8"X14	16	10	20	13	27
26711-10-12	7/8"X14	20	12	20	13	27
26711-12-10	1.1/16"X12	16	10	21.5	15	32
26711-12-12	1.1/16"X12	20	12	21.5	15	32
26711-12-16	1.1/16"X12	25	16	23	15	32
26711-14-12	1.1/16"X12	20	12	21.5	15	36
26711-16-16	1.5/16"X12	25	16	23	16	41
26711-16-20	1.5/16"X12	32	20	24	16	41
26711-12-08T	1.1/16"X12	12	8	19	15	32
26711-16-12T	1.5/16"X12	20	12	18.5	16	41
26711-20-16T	1.5/8"X12	25	16	23	17	50
26711-20-20W	1.5/8"X12	32	20	26	17	50
26711-24-20W	1.7/8"X12	32	20	26.5	20	55
26711-24-24W	1.7/8"X12	40	24	26.5	20	55
26711-32-24T	2.1/2"X12	40	24	27	23.5	75
26711-32-32T	2.1/2"X12	50	32	27	23.5	75

F JIC - 74° Cone Seal - Double Hexagon

**26711D**

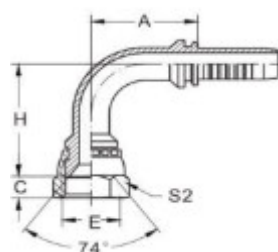
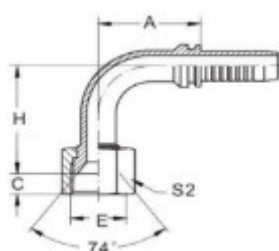
PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	S1	S2
26711D-04-04	7/16"X20	6	4	20	9	15	15
26711D-05-04	1/2"X20	6	4	20.5	9.5	17	17
26711D-06-04	9/16"X18	6	4	21	10.5	19	19
26711D-06-06	9/16"X18	10	6	21	10.5	19	19
26711D-08-06	3/4"X16	10	6	25	11	24	24
26711D-08-08	3/4"X16	12	8	24.5	11	24	24
26711D-08-10	3/4"X16	16	10	25.5	11	24	24
26711D-10-08	7/8"X14	12	8	28	13	27	27
26711D-10-10	7/8"X14	16	10	29	13	27	27
26711D-12-12	1.1/16"X12	20	12	31.5	15	32	32
26711D-16-12	1.5/16"X12	20	12	33.5	16	41	41
26711D-16-16	1.5/16"X12	25	16	34.5	16	41	41
26711D-16-20	1.5/16"X12	32	20	36.5	16	41	41
26711D-20-20	1.7/16"X12	32	20	39	17	50	50

F JIC - 74° Cone Seal - 45°

**26741****26741-T****26741-W**

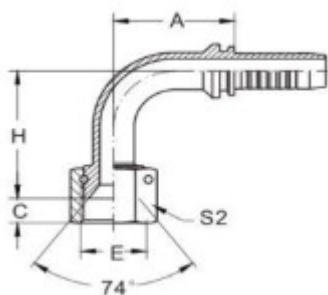
PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
26741-04-03	7/16"X20	5	3	37.6	9	17.2	15
26741-04-04	7/16"X20	6	4	40.2	9	18.1	15
26741-05-04	1/2"X20	6	4	40.5	9.5	18.5	17
26741-05-05	1/2"X20	8	5	42.7	9.5	19.3	17
26741-05-06	1/2"X20	10	6	44.6	9.5	20.3	17
26741-06-04	9/16"X18	6	4	40.5	10.5	18.5	19
26741-06-05	9/16"X18	8	5	42.7	10.5	19.3	19
26741-06-06	9/16"X18	10	6	44.3	10.5	20	19
26741-06-08	9/16"X18	12	8	56.8	10.5	21.9	19
26741-08-06	3/4"X16	10	6	45.7	11	21.4	24
26741-08-08	3/4"X16	12	8	58.6	11	23.5	24
26741-10-08	7/8"X14	12	8	58.9	13	24	27
26741-10-10	7/8"X14	16	10	70.1	13	25.3	27
26741-10-12	7/8"X14	20	12	77	13	28.9	27
26741-12-08	1.1/16"X12	12	8	15	15	25	32
26741-12-10	1.1/16"X12	16	10	71.2	15	26.4	32
26741-12-12	1.1/16"X12	20	12	77.4	15	30	32
26741-12-16	1.1/16"X12	25	16	85.3	15	31	32
26741-14-12	1.3/16"X12	20	12	77.4	15	30	36
26741-16-12	1.5/16"X12	20	12	77.4	16	30	41
26741-16-16	1.5/16"X12	25	16	85.7	16	31.5	41
26741-16-20	1.5/16"X12	32	20	96.3	16	35.5	41
26741-20-20W	1.5/8"X12	32	20	96.6	17	35.9	50
26741-24-20W	1.7/8"X12	32	20	101	20	40.1	55
26741-24-24W	1.7/8"X12	40	24	115	20	44.1	55
26741-32-32W	2.1/2"X12	50	32	136	23.5	51.6	75

F JIC - 74° Cone Seal - 90°

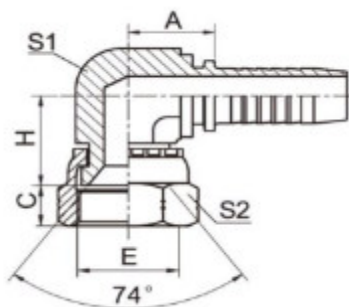
**26791****26791-T**

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
26791-04-03	7/16"X20	5	3	26.5	9	30.5	15
26791-04-04	7/16"X20	6	4	30	9	33.5	15
26791-05-04	1/2"X20	6	4	30	9.5	34	17
26791-05-05	1/2"X20	8	5	33	9.5	37	17
26791-05-06	1/2"X20	10	6	35.3	9.5	39.3	17
26791-06-04	9/16"X18	6	4	30	10.5	34	19
26791-06-05	9/16"X18	8	5	33	10.5	37	19
26791-06-06	9/16"X18	10	6	35.3	10.5	39.3	19
26791-06-08	9/16"X18	12	8	41	10.5	45.5	19
26791-08-06	3/4"X16	10	12	12	11	41.3	24
26791-08-08	3/4"X16	12	8	41	11	47	24
26791-08-10	3/4"X16	16	10	56.5	11	51.5	24
26791-10-08	7/8"X14	12	8	41	13	48	27
26791-10-10	7/8"X14	16	10	56.5	13	52.5	27
26791-10-12	7/8"X14	20	12	67	13	64	27
26791-12-08	1.1/16"X12	12	8	41	15	49.5	32
26791-12-10	1.1/16"X12	16	10	56.5	15	54	32

F JIC - 74° Cone Seal - 90°

**26791-W**

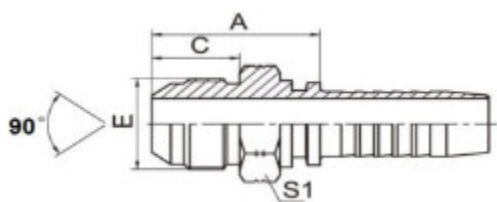
PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
26791-12-12	1.1/16"X12	20	12	65.5	15	63.5	32
26791-12-16	1.1/16"X12	25	16	76.7	15	70	32
26791-14-12	1.3/16"X12	20	12	65.5	15	63.5	36
26791-16-12	1.5/16"X12	20	12	65.5	16	63.5	41
26791-16-16	1.5/16"X12	25	16	76.7	16	70	41
26791-16-20	1.5/16"X12	32	20	91.5	16	81	41
26791-20-20W	1.5/8"X12	32	20	91.5	17	80.5	50
26791-24-20W	1.7/8"X12	32	20	91.5	20	79.5	55
26791-24-24W	1.7/8"X12	40	24	109	20	94	55
26791-32-32W	2.1/2"X12	50	32	133	23.5	122	75

F JIC - 74° Cone Seal - 90°
Compact**26791-K**

PART NO	THREAD E	HOSE		DIMENSION					
		DN	DASH	A	C	H	S1	S2	
26791K-04-04	7/16"X20	6	4	17.5	9	18	11	15	
26791K-06-04	9/16"X18	6	4	19	10.5	21	14	19	
26791K-06-06	9/16"X18	10	6	20	10.5	21	16	19	
26791K-08-06	3/4"X16	10	6	23	11	25	19	24	
26791K-08-08	3/4"X16	11	8	23.5	11	25	22	24	
26791K-10-08	7/8"X14	12	8	23.5	13	27.5	22	27	
26791K-10-10	7/8"X14	16	10	25	13	27.5	22	27	
26791K-12-12	1.1/16"X12	20	12	27.5	15	30	27	32	
26791K-16-16	1.5/16"X12	25	16	43	16	34.3	33	41	

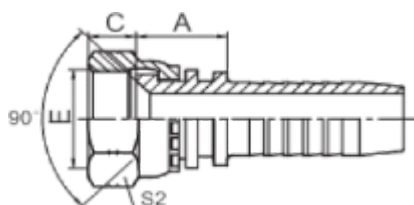


M SAE - 90° Cone

**17811**

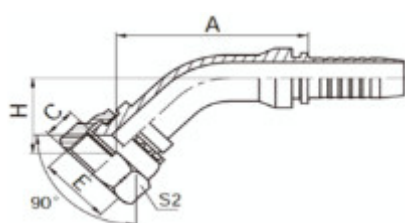
PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S1
17811-04-04	7/16"X20	6	4	25.5	12.7	12
17811-05-05	1/2"X20	8	5	27	14.2	14
17811-06-06	5/8"X18	10	6	28.5	15.7	17
17811-08-08	3/4"16	12	8	34	19	22
17811-10-10	7/8"X14	16	10	38.5	22.4	24
17811-12-12	1.1/16"X14	20	12	43.5	25.4	30

F SAE - 90° Cone

**27811**

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S2
27811-04-03	7/16"X20	5	3	14	9	15
27811-04-04	7/16"X20	6	4	15	9	15
27811-05-05	1/2"X20	8	5	15.5	9.5	17
27811-06-04	5/8"X18	6	4	17	11.3	22
27811-06-05	5/8"X18	8	5	17	11.3	22
27811-06-06	5/8"X18	10	6	17	11.3	22
27811-08-08	3/4"X16	12	8	18	11	24
27811-10-08	7/8"X14	12	8	18.5	13	27
27811-10-10	7/8"X14	16	10	20	13	27
27811-12-12	1.1/16"X14	20	12	21.5	14.3	32

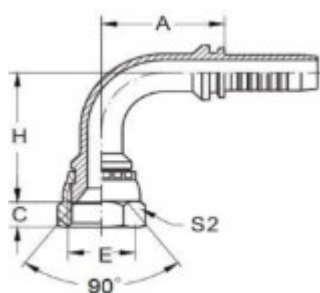
F SAE - 90° Cone - 45°

**27841**

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	S1	S2
27841-04-03	7/16"X20	5	3	37.6	9	17.2	15
27841-06-04	5/8"X18	6	4	42	11.3	19.9	22
27841-06-05	5/8"X18	8	5	44.1	11.3	20.7	22
27841-06-06	5/8"X18	10	6	45.7	11.3	21.4	22
27841-08-08	3/4"X16	12	8	58.2	11	23.3	24
27841-10-08	7/8"X14	12	8	58.2	13	23.3	27
27841-10-10	7/8"X14	16	10	69.4	13	24.6	27
27841-12-12	1.1/16"X14	20	12	77.4	14.3	30	32



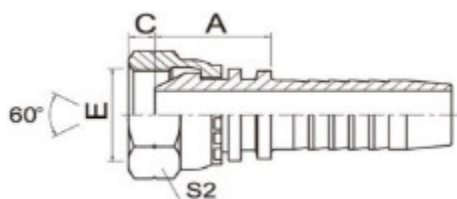
F SAE - 90° Cone - 90°

**27891**

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	H	C	S2
27891-04-03	7/16"X20	5	3	26.5	9	30.5	15
27891-06-04	5/8"X18	6	4	30	11.3	36	22
27891-06-05	5/8"X18	8	5	33	11.3	39	22
27891-06-06	5/8"X18	10	6	35.3	11.3	41.3	22
27891-10-08	7/8"X14	12	8	41	13	47	27
27891-10-10	7/8"X14	16	10	56.5	13	51.5	27
27891-12-12	1.1/16"X14	20	12	65.5	14.3	65.3	32

FNPSM 60° CONE SEAL SERIES

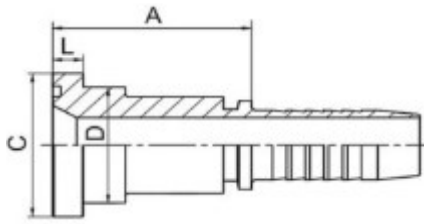
F NPSM - 60° Cone Seal

**21611**

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S2
21611-04-04	1/4"X18	6	4	22	4.6	19
21611-04-06	1/4"X18	10	6	22	4.6	19
21611-06-04	3/8"X18	6	4	23	6	22
21611-06-05	3/8"X18	8	5	23	6	22
21611-06-06	3/8"X18	10	6	23	6	22
21611-08-08	1/2"X14	12	8	23.5	7.5	27
21611-12-10	3/4"X14	16	10	27	8.9	32
21611-12-12	3/4"X14	20	12	27	8.9	32
21611-16-12T	1"X11.5	20	12	25	10.5	41
21611-16-16	1"X11.5	25	16	28.5	10.5	41
21611-20-20W	1.1/4"X11.5	32	20	29.5	11.2	50
21611-24-20T	1.1/2"X11.5	32	20	29.5	11.2	55
21611-24-24W	1.1/2"X11.5	40	24	31.5	11.2	55
21611-32-32W	2"X11.5	50	32	31	11.2	70



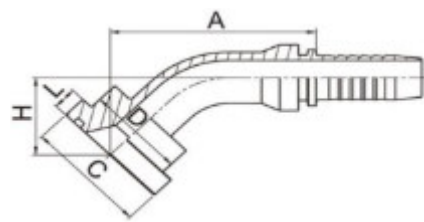
Code 61 Flange - 3,000 PSI
SAE 3000PSI



87311

PART NO	SIZE	HOSE		DIMENSION			
		DN	DASH	A	C	D	L
87311-08-08	1/2"	12	8	46	30	24	7
87311-12-08	3/4"	12	8	47	38	32	7
87311-12-10	3/4"	16	10	48	38	32	7
87311-12-12	3/4"	20	12	48	38	32	7
87311-12-16	3/4"	25	16	49	38	32	7
87311-16-12	1"	20	12	51	44	38	8
87311-16-16	1"	25	16	52	44	38	8
87311-16-20	1"	32	20	53	44	38	8
87311-20-16	1.1/4"	25	16	57	51	43	8
87311-20-20	1.1/4"	32	20	58	51	43	8
87311-24-20	1.1/2"	32	20	68	60	50	8
87311-24-24	1.1/2"	40	24	68	60	50	8
87311-32-24	2"	40	24	70	71	62	10
87311-32-32	2"	50	32	70	71	65	10
87311-40-40	2.1/2"	64	40	76	84	74	10

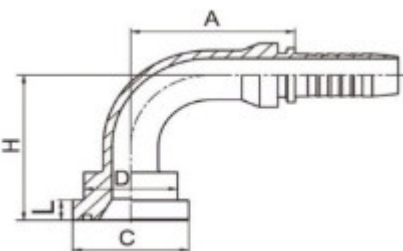
Code 61 Flange - 3,000 PSI - 45° SAE3000PSI



87341

PART NO	SIZE	HOSE		DIMENSION				
		DN	DASH	A	C	D	H	L
87341-08-08	1/2"	12	8	58	30	24	23	7
87341-12-08	3/4"	12	8	59	38	32	24	7
87341-12-10	3/4"	16	10	70	38	32	25	7
87341-12-12	3/4"	20	12	77	38	32	29	7
87341-16-12	1"	20	12	77	44	38	29	8
87341-16-16	1"	25	16	85	44	38	30	8
87341-16-20	1"	32	20	95	44	38	34	8
87341-20-16	1.1/4"	25	16	85	51	43	30	8
87341-20-20	1.1/4"	32	20	95	51	43	34	8
87341-24-20	1.1/2"	32	20	96	60	50	35	8
87341-24-24	1.1/2"	40	24	110	60	50	39	8
87341-32-24	2"	40	24	110	71	62	39	10
87341-32-32	2"	50	32	129	71	62	46	10

Code 61 Flange - 3,000 PSI - 90° SAE3000PSI



87391

PART NO	SIZE	HOSE		DIMENSION				
		DN	DASH	A	C	D	H	L
87391-08-08	1/2"	12	8	41	30.2	24	47	6.73
87391-12-08	3/4"	12	8	41	38.1	31.7	48	6.73
87391-12-10	3/4"	16	10	56.5	37.1	31.7	52.5	6.73
87391-12-12	3/4"	20	12	66.2	38.1	31.7	62	6.73
87391-12-16	3/4"	25	16	76.6	38.1	31.7	67.5	6.73
87391-16-12	1"	20	12	66.2	44.4	38	62	8
87391-16-16	1"	25	16	78	44.4	38	67.5	8
87391-16-20	1"	32	20	91.5	44.4	38	78.5	8
87391-20-16	1.1/4"	25	16	78	50.8	43	67.5	8
87391-20-20	1.1/4"	32	20	91.5	50.8	43	78.5	8

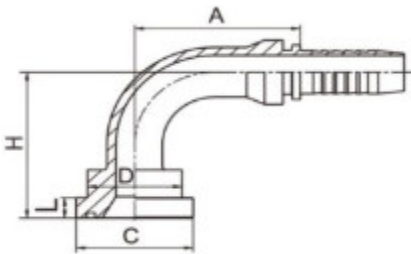
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Code 61 Flange - 3,000 PSI -
90° SAE 3000PSI

87391

PART NO	SIZE	HOSE		DIMENSION				
		DN	DASH	A	C	D	H	L
87391-24-20	1.1/2"	32	20	92	60	50	81	8
87391-24-24	1.1/2"	40	24	109	60	50	94	8
87391-32-24	2"	40	24	109	71	62	94	10
87391-32-32	2"	50	32	132	71	62	114	10
87391-40-32	2.1/2"	50	32	132	84	75	114	10

Code 61 Flange - 3,000 PSI -
90° Long Drop
SAE 3000PSI

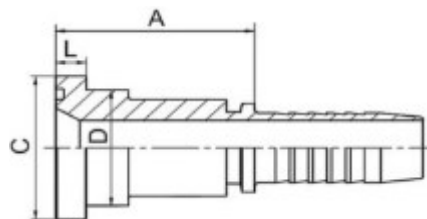


87391-H

PART NO	SIZE	HOSE		DIMENSION				
		DN	DASH	A	C	D	H	L
87391-12-12H90	3/4"	20	12	66	38	32	90	7
87391-12-12H100	3/4"	20	12	66	38	32	100	7
87391-12-12H127	3/4"	20	12	66	38	32	127	7
87391-12-12H150	3/4"	20	12	66	38	32	150	7
87391-16-16H100	1"	25	16	77	44	38	100	8
87391-16-16H127	1"	25	16	77	44	38	127	8
87391-16-16H150	1"	25	16	77	44	38	150	8
87391-20-20H100	1-1/4"	32	20	92	51	43	100	8
87391-20-20H127	1-1/4"	32	20	92	51	43	127	8
87391-20-20H150	1-1/4"	32	20	92	51	43	150	8
87391-24-24H127	1-1/2"	40	24	109	60	50	127	8
87392-16-12H130	1"	20	12	66	44	38	130	10
87392-16-16H130	1"	25	16	77	44	38	130	10

CODE 62 FLANGE SERIES SAE 6000PSI

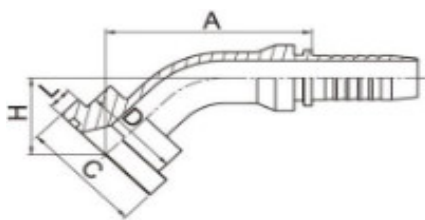
Code 62 Flange - 6,000 PSI
SAE 6000PSI



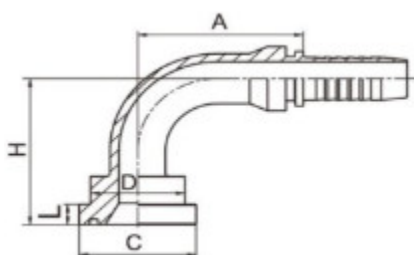
87611

PART NO	SIZE	HOSE		DIMENSION			
		DN	DASH	A	C	D	L
87611-08-08	1/2"	12	8	47	32	24	8
87611-12-10	3/4"	16	10	51	41	32	9
87611-12-12	3/4"	20	12	51	41	32	9
87611-16-12	1"	20	12	56	48	38	10
87611-16-16	1"	25	16	57	48	38	10
87611-16-20	1"	32	20	61	48	38	10
87611-20-16	1.1/4"	25	16	65	54	44	10
87611-20-20	1.1/4"	32	20	66	54	44	10
87611-24-20	1.1/2"	32	20	75	64	51	13
87611-24-24	1.1/2"	40	24	75	64	51	13
87611-32-24	2"	40	24	85	79	67	13
87611-32-32	2"	50	32	85	79	67	13

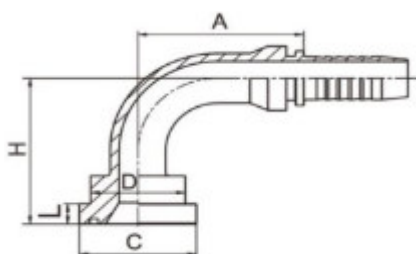


**Code 62 Flange - 6,000 PSI
- 45°**

87641

PART NO	SIZE	HOSE		DIMENSION				
		DN	DASH	A	C	D	H	L
87641-08-08	1/2"	12	8	59	32	24	24	8
87641-08-12	1/2"	20	12	75	32	24	28	8
87641-12-10	3/4"	16	10	73	41	32	28	9
87641-12-12	3/4"	20	12	79	41	32	32	9
87641-16-16	1"	25	16	90	48	38	35	10
87641-20-20	1.1/4"	32	20	104	54	44	42	10
87641-24-20	1.1/2"	32	20	106	64	51	45	13
87641-24-24	1.1/2"	40	24	116	64	51	46	13
87641-32-24	2"	40	24	125	79	67	55	13
87641-32-32	2"	50	32	136	79	67	53	13

**Code 62 Flange - 6,000 PSI
- 90°**

87691

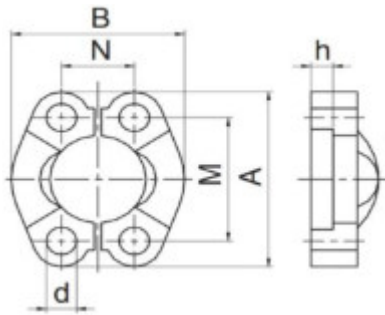
PART NO	SIZE	HOSE		DIMENSION				
		DN	DASH	A	C	D	H	L
87691-08-08	1/2"	12	8	41	31.7	24	48	7.75
87691-12-10	3/4"	16	10	56	41.3	32	56.5	8.76
87691-12-12	3/4"	20	12	65.5	41.3	32	66	8.76
87691-16-12	1"	20	12	65.5	47.6	38	69	9.53
87691-16-16	1"	25	16	76.7	47.6	38	69	9.53
87691-16-20	1"	32	16	76.7	47.6	38	74.5	9.53
87691-20-16	1-1/4"	25	16	76.7	54	44	78.5	10.3
87691-20-20	1-1/4"	32	20	91.5	54	44	89.5	10.3
87691-24-20	1-1/2"	32	20	91.5	63.5	51	94.5	12.6
87691-24-24	1-1/2"	40	24	109	63.5	51	108	12.6
87691-32-24	2"	40	24	109	79.4	67	116	12.6
87691-32-32	2"	50	32	132	79.4	67	136	12.6

**Code 62 Flange - 6,000 PSI
- 90° - Long Drop**

87691-H

PART NO	SIZE	HOSE		DIMENSION				
		DN	DASH	A	C	D	H	L
87691-12-12H90	3/4"	20	12	65.5	41.3	32	90	8.76
87691-12-12H100	3/4"	20	12	65.5	41.3	32	100	8.76
87691-12-12H127	3/4"	20	12	65.5	41.3	32	127	8.76
87691-12-12H150	3/4"	20	12	65.5	41.3	32	150	8.76
87691-16-16H100	1"	25	16	76.7	47.6	38	100	9.53
87691-16-16H127	1"	25	16	76.7	47.6	38	127	9.53
87691-16-16H150	1"	25	16	76.7	47.6	38	150	9.53
87691-20-20H100	1-1/4"	32	20	91.5	54	44	100	10.3
87691-20-20H127	1-1/4"	32	20	91.5	54	44	127	10.3
87691-20-20H150	1-1/4"	32	20	91.5	54	44	150	10.3
87691-24-24H127	1-1/2"	40	24	109	60.3	50	127	8



CODE 61 SPLIT FLANGE SAE3000PSI

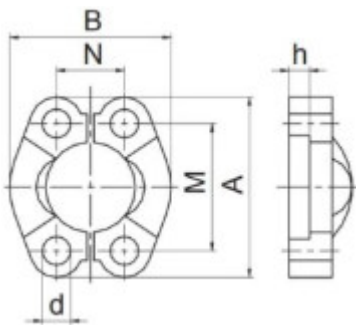


FL

PART NO	SIZE	DIMENSION						BOLT	W.P.
		A	B	M	d	N	h		Mpa
FL-08	1/2"	54	46	38	9	18	38	M8X25	34.5
FL-12	3/4"	65	52	48	11	22	48	M10X30	
FL-16	1"	70	59	52	11	26	52	M10X30	
FL-20	1.1/4"	79	73	59	11	30	59	M10X30	27.6
FL-24	1.1/2"	94	83	70	14	36	70	M12X35	20.7
FL-32	2"	102	97	78	14	43	78	M12X35	
FL-40	2.1/2"	114	109	89	14	51	89	M12X40	10
FL-48	3"	135	131	106	18	62	106	M16X50	

CODE 62 SPLIT FLANGE SAE 6000PSI

CODE 62 SPLIT FLANGE SAE6000PSI



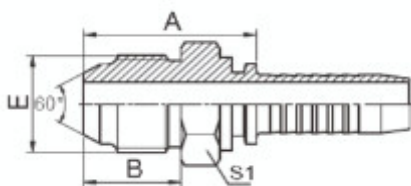
FS

PART NO	SIZE	DIMENSION						BOLT	W.P.
		A	B	M	d	N	h		Mpa
FS-08	1/2"	56	49	41	9	18	41	M8X30	42
FS-12	3/4"	71	62	51	11	24	51	M10X35	
FS-16	1"	81	71	57	13	28	57	M12X45	
FS-20	1.1/4"	95	79	67	15	32	67	M14X50	
FS-24	1.1/2"	113	97	79	17	37	79	M16X55	
FS-32	2"	133	116	97	21	44	97	M20X70	

JIS METRIC 60° CONE SEAL SERIES

M JIS Metric - 60° Cone Seal

KOMATSU

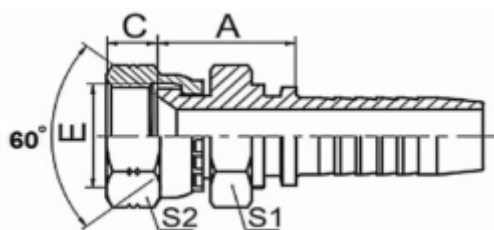


18611

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	B	S1
18611-14-04	M14X1.5	6	4	30	17	17
18611-14-06	M14X1.5	10	6	30	17	17
18611-16-04	M16X1.5	6	4	31	18	17
18611-16-06	M16X1.5	10	6	31	18	17
18611-18-06	M18X1.5	10	6	31	18	19
18611-20-08	M20X1.5	12	8	35	20	22
18611-22-08	M22X1.5	12	8	35	20	24
18611-24-10	M24X1.5	16	10	40	22	27
18611-30-12	M30X1.5	20	12	45	26	32
18611-33-16	M33X1.5	25	16	51	30	36
18611-36-20	M36X1.5	32	20	55	33	38
18611-42-24	M42X1.5	40	24	60	36	46

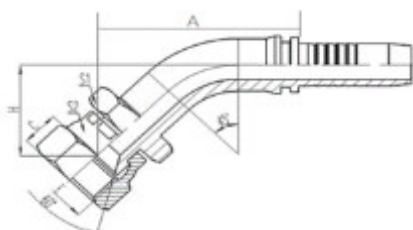


F JIS Metric - 60° Cone Seal

KOMATSU**28611**

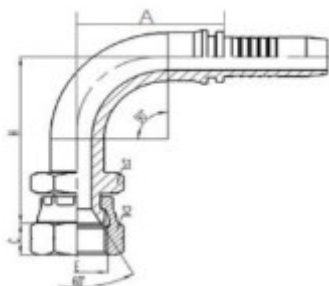
PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	S1	S2
28611-12-04	M12X1.5	6	4	20	9	17	17
28611-14-04	M14X1.5	6	4	21	11	19	19
28611-14-06	M14X1.5	10	6	21	11	19	19
28611-16-04	M16X1.5	6	4	24	10	22	22
28611-16-05	M16X1.5	8	5	24	10	22	22
28611-16-06	M16X1.5	10	6	24	10	22	22
28611-18-06	M18X1.5	10	6	25	12	24	24
28611-18-08	M18X1.5	12	8	25	12	24	24
28611-20-08	M20X1.5	12	8	29	12	27	27
28611-22-08	M22X1.5	12	8	26	14	27	27
28611-24-08	M24X1.5	12	8	28	15	32	32
28611-24-10	M24X1.5	16	10	29	15	32	32
28611-27-10	M27X1.5	16	10	29	10	32	32
28611-30-12	M30X1.5	20	12	29	18	36	36
28611-33-12	M33X1.5	20	12	31	21	41	41
28611-33-16	M33X1.5	25	16	32	21	41	41
28611-36-20	M36X1.5	32	20	36	20	46	46
28611-42-24W	M42X1.5	40	24	36	19	55	55

F JIS Metric - 60° Cone Seal - 45°

KOMATSU**28641**

PART NO	THREAD E	HOSE		DIMENSION				
		DN	DASH	A	C	H	S1	S2
28641-14-04	M14X1.5	6	4	43	11	21	19	19
28641-16-05	M16X1.5	8	5	48	10	24	22	22
28641-18-06	M18X1.5	10	6	49	12	25	24	24
28641-22-06	M22X1.5	12	8	62	14	27	27	27
28641-24-10	M24X1.5	16	10	75	15	30	32	32
28641-30-12	M30X1.5	20	12	81	18	34	36	36
28641-33-16	M33X1.5	25	16	90	21	36	41	41
28641-36-20	M36X1.5	32	20	104	20	42	46	46
28641-42-24W	M42X1.5	40	24	116	19	46	50	55

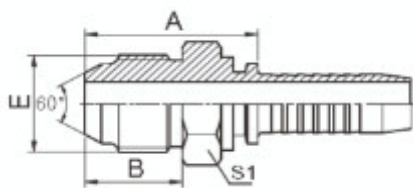
F JIS Metric - 60° Cone Seal - 90°

KOMATSU**28691**

PART NO	THREAD E	HOSE		DIMENSION				
		DN	DASH	A	C	H	S1	S2
28691-14-04	M14X1.5	6	4	30	11	38	19	19
28691-14-06	M14X1.5	10	6	36	11	43	19	19
28691-16-05	M16X1.5	8	5	33	10	44	22	22
28691-18-06	M18X1.5	10	6	35	12	46	24	24
28691-22-08	M22X1.5	12	8	41	14	53	27	27
28691-24-10	M24X1.5	16	10	57	15	59	32	32
28691-30-2	M30X1.5	20	12	66	18	69	36	36
28691-33-16	M33X1.5	25	16	77	21	76	41	41
28691-36-20	M36X1.5	32	20	93	20	90	46	46
28691-42-24W	M42X1.5	40	24	109	19	103	55	55



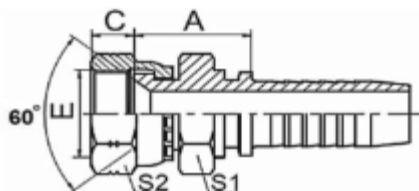
M JIS GAS - 60° Cone Seal



19611

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	B	S1
19611-04-04	G1/4x19	6	6	29	16	17
19611-06-06	G3/8x19	10	10	31	18	19
19611-08-08	G1/2x14	12	12	35	20	22
19611-12-12	G3/4x14	20	20	41	22	30
19611-16-16	G1x11	25	25	44	24	36

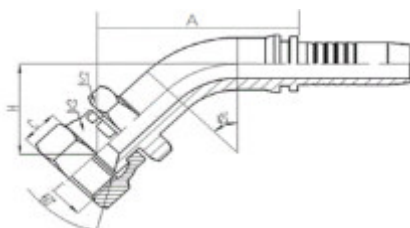
F JIS GAS - 60° Cone Seal



29611

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	S1	S2
29611-02-03	G1/8"X28	5	3	20	7	14	14
29611-04-04	G1/4"X19	6	4	21	8	19	19
29611-04-05	G1/4"X19	8	5	21	8	19	19
29611-06-04	G3/8"X19	6	4	24	9	22	22
29611-06-06	G3/8"X19	10	6	23	9	22	22
29611-08-06	G1/2"X14	10	6	28	12	27	27
29611-08-08	G1/2"X14	12	8	27	12	27	27
29611-10-10	G5/8"X14	16	10	31	12	30	30
29611-12-10	G3/4"X14	16	10	29	14	32	32
29611-12-12	G3/4"X14	20	12	29	14	32	32
29611-16-16	G1"X11	25	16	32	16	41	41
29611-20-20W	G1.1/4"X11	32	20	43	19	50	50
29611-24-24W	G1.1/2"X11	40	24	44	19	55	55
29611-32-32W	G2"X11	50	32	47	23	70	70

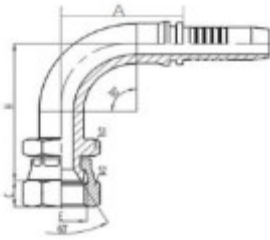
F JIS GAS - 60° Cone Seal - 45°



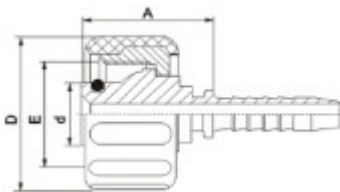
29641

PART NO	THREAD E	HOSE		DIMENSION				
		DN	DASH	A	C	H	S1	S2
29641-04-04	G1/4"X19	6	4	43.4	8	21.3	19	19
29641-06-06	G3/8"X19	10	6	48.9	9	24.6	22	22
29641-08-08	G1/2"X14	12	8	62.5	12	27.5	27	27
29641-12-12	G3/4"X14	20	12	81.3	13.5	33.9	32	32
29641-16-16	G1"X11	25	16	87.3	16	36	41	41
29641-20-20W	G1.1/4"X11	32	20	107	18.5	46.5	50	50
29641-24-24W	G1.1/2"X11	40	24	123	19	50.8	55	55
29641-32-32W	G2"X11	50	32	143	23	60	70	70



F JIS GAS - 60° Cone Seal - 90°

29691

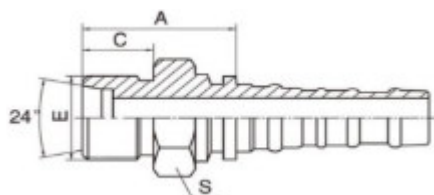
PART NO	THREAD E	HOSE		DIMENSION				
		DN	DASH	A	C	H	S1	S2
29641-04-04	G1/4"X19	6	4	43.4	8	21.3	19	19
29641-06-06	G3/8"X19	10	6	48.9	9	24.6	22	22
29641-08-08	G1/2"X14	12	8	62.5	12	27.5	27	27
29641-12-12	G3/4"X14	20	12	81.3	13.5	33.9	32	32
29641-16-16	G1"X11	25	16	87.3	16	36	41	41
29641-20-20W	G1.1/4"X11	32	20	107	18.5	46.5	50	50
29641-24-24W	G1.1/2"X11	40	24	123	19	50.8	55	55
29641-32-32W	G2"X11	50	32	143	23	60	70	70

METRIC WATER INSERT FITTING
F Metric Waterwash Inserts

20011-ST

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	J	K
20011-22-03ST	M22x1.5	5	3	24.5	14	34.5	19
20011-22-04ST	M22x1.5	6	4	25	14	34.5	22
20011-22-05ST	M22x1.5	8	5	25	14	34.5	27
20011-22-06ST	M22x1.5	10	6	25	14	34.5	32

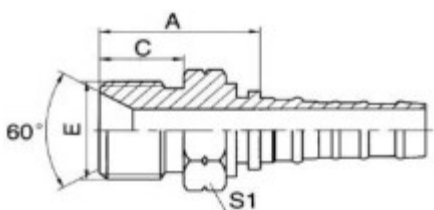


M Metric S - 24° Cone

**10513**

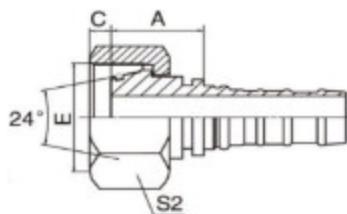
PART NO	THREAD E	HOSE		TUBE	DIMENSION		
		DN	DASH	OD	A	C	S
10513-36-12	M36x2	20	12	25	44	18	41
10513-42-16	M42x2	25	16	30	46	20	46
10513-52-20	M52x2	32	20	38	53	22	55

M BSP - 60° Cone Seal



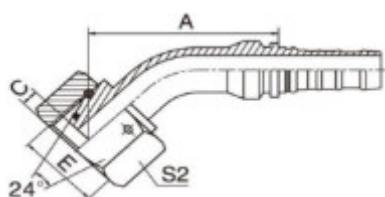
PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S1
12613-12-12	G3/4x14	20	12	40	19	30
12613-16-16	G1x11	25	16	45	20	38
12613-20-20	G1-1/4x11	32	20	49	20	46
12613-24-24	G1-1/2x11	40	24	53	22	50
12613-32-32	G2x11	50	32	59	25	65

F Metric S - 24° Cone with O-Ring

**20513**

PART NO	THREAD E	HOSE		TUBE	DIMENSION		
		DN	DASH	OD	A	C	S2
20513-30-12W	M30X2	20	12	20	30	3	36
20513-36-16W	M36X2	25	16	25	32	3	41
20513-42-16W	M42X2	25	16	30	33	5	50
20513-42-20W	M42X2	32	20	30	39	5	50
20513-52-24W	M52X2	40	24	38	38	7	60
20513-36-12T	M36X2	20	12	25	39	3	41
20513-42-12T	M42X2	20	12	30	42	5	50
20513-52-20T	M52X2	32	20	38	45	7	60

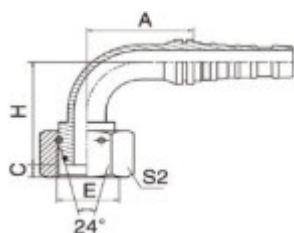
F Metric S - 24° Cone with O-Ring - 45°

**20543**

PART NO	THREAD E	HOSE		TUBE	DIMENSION			
		DN	DASH	OD	A	C	H	S2
20543-36-12T	M36X2	20	12	25	89	3	33	41
20543-42-16W	M42X2	25	16	30	102	5	36	50
20543-52-20T	M52X2	32	20	38	115	7	39	60



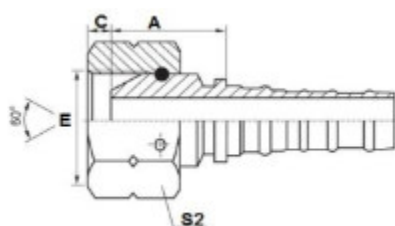
F Metric S - 24° Cone with O-Ring - 90°



20593

PART NO	THREAD E	HOSE		TUBE	DIMENSION			
		DN	DASH	OD	A	C	H	S2
20593-36-12T	M36x2	20	12	25	75	5	68	46
20593-36-16	M36x2	25	16	25	89	5	80	46
20593-42-16	M42x2	25	16	30	89	6	81	50
20593-42-20	M42x2	32	20	30	106	6	92	50
20593-52-20T	M52x2	32	20	38	106	7	87	60
20593-52-24	M52x2	40	24	38	124	7	105	60

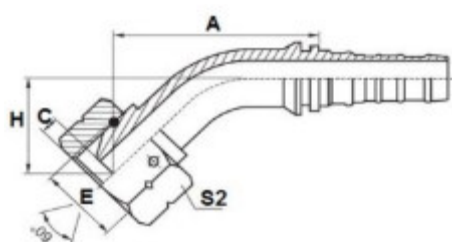
F BSP - 60° Cone Seal



22613

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S2
22613-12-12W	G3/4x14	20	12	28	9	32
22613-16-16W	G1x11	25	16	32	11	41
22613-20-20W	G1-1/4x11	32	20	36	10	50
22613-24-24W	G1-1/2x11	40	24	37	13	55
22613-32-32W	G2x11	50	32	37	16	70

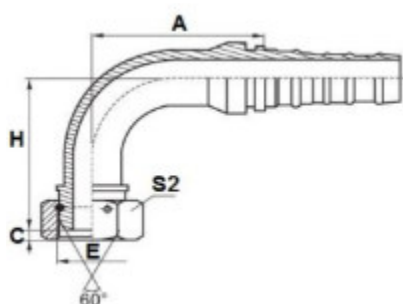
F BSP - 60° Cone Seal - 45°



22643

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
22643-12-12W	G3/4"X14	20	12	88	11	33	32
22643-16-16W	G1"X11	25	16	99	12	33	41
22643-20-20W	G1.1/4"X11	32	20	113	11	38	50
22643-24-24W	G1.1/2"X11	40	24	131	13	46	55
22643-32-32W	G2"X11	50	32	155	16	53	70

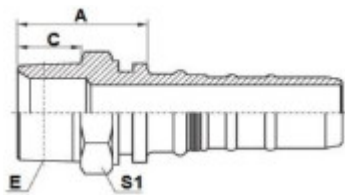
F BSP - 60° Cone Seal - 90°



22693

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
22693-12-12W	G3/4"X14	20	12	74	11	67	32
22693-16-16W	G1"X11	25	16	92	12	72	41
22693-20-20W	G1.1/4"X11	32	20	106	11	88	50
22693-24-24W	G1.1/2"X11	40	24	124	14	103	55
22693-32-32W	G2"X11	50	32	149	16	123	70

M NPT

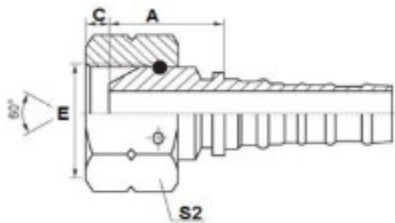


15613

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S2
15613-12-12	Z3/4X14	20	12	39.5	19.05	30
15613-16-16	Z1X11.5	25	16	47.9	23.88	38
15613-20-20	Z1-1/4X11.5	32	20	53.8	24.64	46
15613-24-24	Z1-1/2X11.5	40	24	58.2	25.4	50
15613-32-32	Z2X11.5	50	32	61	26.16	65

F NPSM 60° CONE SEAL SERIES

F NPSM - 60° Cone Seal

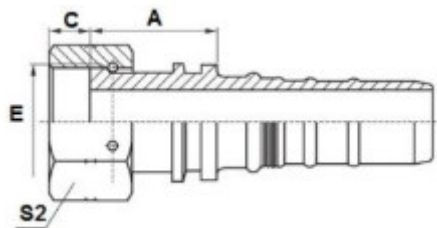


21613-W

PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S2
21613-12-12W	3/4X14	20	12	27	9	32
21613-16-16W	1X11.5	25	16	30	9	41
21613-20-20W	1-1/4X11.5	32	20	33	11	50
21613-24-24W	1-1/2X11.5	40	24	37	11	55
21613-32-32W	2X11.5	50	32	37	11	70



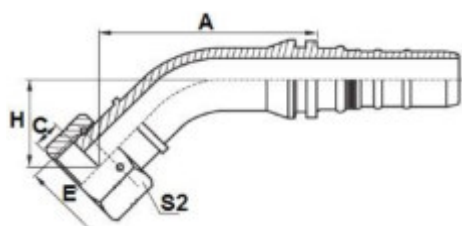
F ORFS - Flat Seal



PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S1
24213-12-12W	1.3/16"X12	20	12	41	15	36
24213-16-16W	1.7/16"X12	25	16	44	15	41
24213-20-20W	1.11/16"X12	32	20	48	15	50
24213-24-24W	2"X12	40	24	48	15	60

24213

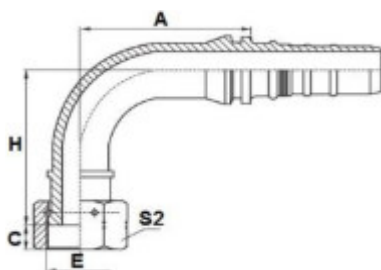
F ORFS - Flat Seal - 45°



PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
24243-12-12W	1.3/16"X12	20	12	97.7	15	42	36
24243-16-16W	1.7/16"X12	25	16	111	15	44.6	41
24243-20-20W	1.11/16"X12	32	20	124	15	49	50
24243-24-24W	2"X12	40	24	138	14.8	53.6	60

24243

F ORFS - Flat Seal - 90°

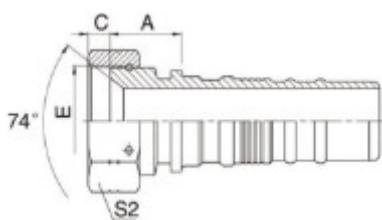


PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
24293-12-12W	1.3/16"X12	20	12	74	15	81	36
24293-16-16W	1.7/16"X12	25	16	89	15	89	41
24293-20-20W	1.11/16"X12	32	20	106	15	100	50
24293-24-24W	2"X12	40	24	123	15	115	60

24293



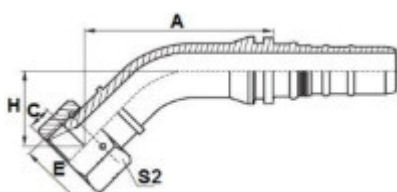
F JIC - 74° Cone Seal



PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S1
26713-12-12W	1.1/16"X12	20	12	27	15	32
26713-16-16W	1.5/16"X12	25	16	29	16	41
26713-20-20W	1.5/8"X12	32	20	32	17	50
26713-24-24W	1.7/8"X12	40	24	35	20	60
26713-32-32W	2.1/2"X12	50	32	35	24	75

26713-W

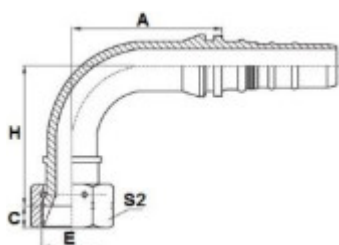
F JIC - 74° Cone Seal - 45°



PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
26743-12-12W	1.1/16"X12	20	12	86.4	15	30	32
26743-16-16W	1.5/16"X12	25	16	101	16	31.5	41
26743-20-20W	1.5/8"X12	32	20	113	17	36.6	50
26743-24-24W	1.7/8"X12	40	24	126	20	41.6	55
26743-32-32W	2.1/2"X12	50	32	149	24	49	75

26743-W

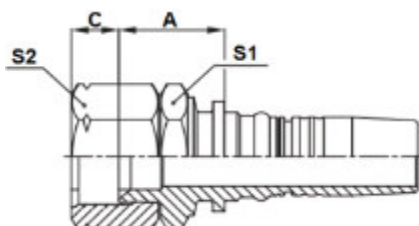
F JIC - 74° Cone Seal - 90°



PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
26793-12-12W	1.1/16"X12	20	12	74	15	65	32
26793-16-16W	1.5/16"X12	25	16	89	16	73	41
26793-20-20W	1.5/8"X12	32	20	106	17	82	50
26793-24-24W	1.7/8"X12	40	24	124	20	101	55
26793-32-32W	2.1/2"X12	50	32	150	24	121	75

26793-W

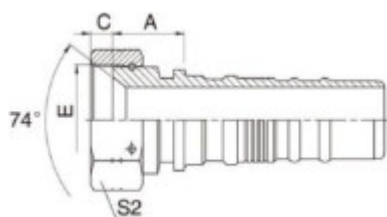
F JIC - 74° Cone Seal - Double Hexagon



PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	H	S2
26713D-12-12W	1-1/16x12	20	12	37.5	14.3	30	32
26713D-16-16W	1-5/16x12	25	16	41.9	15.1	38	41
26713D-20-20W	1-5/8x12	32	20	45.3	16.5	46	50
26713D-24-24W	1-7/8x12	40	24	50.2	19.5	50	55
26713D-32-32W	2-1/2x12	50	32	52	24	65	75

26713D-W

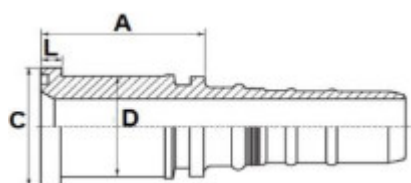
F JIS GAS - 60° Cone Seal

**29613-W**

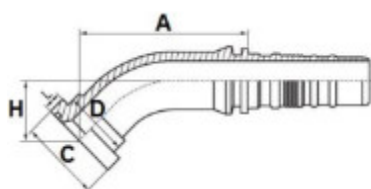
PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	S1	S2
29613-12-12W	G3/4x14	20	12	40	14	32	32
29613-16-16W	G1x11	25	16	44	16	41	41
29613-20-20W	G1-1/4x11	32	20	49	19	50	50
29613-24-24W	G1-1/2x11	40	24	49	19	55	55
29613-32-32W	G2x11	50	32	52	23	70	70

CODE 62 FLANGE SERIES SAE 6000PSI

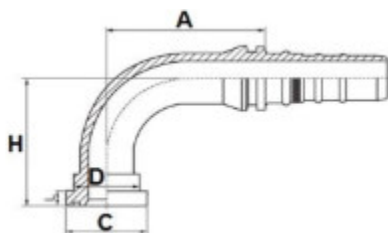
Code 62 Flange - 6000 PSI

**87613**

PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	D	L
87613-12-12	3/4"	20	12	53	41	32	9
87613-16-12	1"	20	12	58	48	38	10
87613-16-16	1"	25	16	59	48	38	10
87613-20-16	1-1/4"	25	16	67	54	44	10
87613-20-20	1-1/4"	32	20	70	54	44	10
87613-20-24	1-1/4"	40	24	75	54	44	10
87613-24-20	1-1/2"	32	20	79	64	51	13
87613-24-24	1-1/2"	40	24	79	64	51	13
87613-32-24	2"	40	24	91	79	67	13
87613-32-32	2"	50	32	91	79	67	13

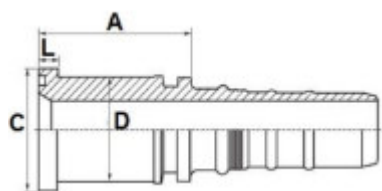
Code 62 Flange -
6000 PSI - 45°**87643**

PART NO	THREAD E	HOSE		DIMENSION				
		DN	DASH	A	C	D	H	L
87643-12-12	3/4"	20	12	89	41	32	32	9
87643-16-12	1"	20	12	91	48	38	34	10
87643-16-16	1"	25	16	101	48	38	35	10
87643-20-16	1-1/4"	25	16	104	54	44	38	10
87643-20-20	1-1/4"	32	20	117	54	44	42	10
87643-24-20	1-1/2"	32	20	120	64	51	45	13
87643-24-24	1-1/2"	40	24	135	64	51	49	13
87643-32-24	2"	40	24	140	79	67	55	13
87643-32-32	2"	50	32	163	79	67	62	13

Code 62 Flange -
6000 PSI - 90°**87693**

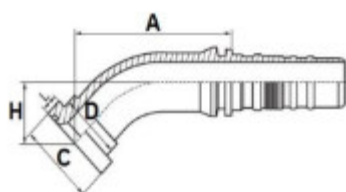
PART NO	THREAD E	HOSE		DIMENSION				
		DN	DASH	A	C	D	H	L
87693-12-12	3/4"	20	12	75	41	32	66	9
87693-16-12	1"	20	12	75	48	38	69	10
87693-16-16	1"	25	16	89	48	38	75	10
87693-20-16	1-1/4"	25	16	89	54	44	79	10
87693-20-20	1-1/4"	32	20	106	54	44	90	10
87693-24-20	1-1/2"	32	20	106	64	51	95	13
87693-24-24	1-1/2"	40	24	124	64	51	108	13
87693-32-24	2"	40	24	124	79	67	116	13
87693-32-32	2"	50	32	150	79	67	136	13

Flange - 9000 PSI

**87913**

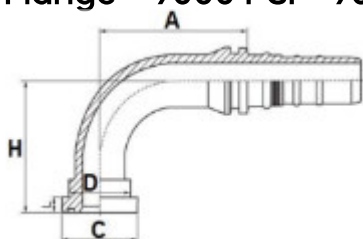
PART NO	THREAD E	HOSE		DIMENSION			
		DN	DASH	A	C	D	L
87913-12-12	3/4"	20	12	59	41	32	14
87913-16-12	1"	20	12	63	48	38	14
87913-16-16	1"	25	16	64	48	38	14
87913-20-16	1-1/4"	25	16	71	54	43	14
87913-20-20	1-1/4"	32	20	74	54	43	14
87913-24-20	1-1/2"	32	20	81	64	51	14
87913-24-24	1-1/2"	40	24	81	64	51	14

Flange - 9000 PSI - 45°

**87943**

PART NO	THREAD E	HOSE		DIMENSION				
		DN	DASH	A	C	D	H	L
87943-12-12	3/4"	20	12	93	41	32	36	14
87943-16-12	1"	20	12	94	48	38	37	14
87943-16-16	1"	25	16	104	48	38	38	14
87943-20-16	1-1/4"	25	16	105	54	43	38	14
87943-20-20	1-1/4"	32	20	117	54	43	42	14
87943-24-20	1-1/2"	32	20	118	64	51	43	14
87943-24-24	1-1/2"	40	24	133	64	51	47	14

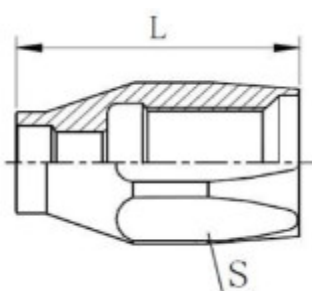
Flange - 9000 PSI - 90°

**87993**

PART NO	THREAD E	HOSE		DIMENSION				
		DN	DASH	A	C	D	H	L
87993-12-12	3/4"	20	12	75	41	32	72	14
87993-16-12	1"	20	12	75	48	38	73	14
87993-16-16	1"	25	16	89	48	38	79	14
87993-20-16	1-1/4"	25	16	89	54	43	80	14
87993-20-20	1-1/4"	32	20	106	54	43	91	14
87993-24-20	1-1/2"	32	20	106	64	51	92	14
87993-24-24	1-1/2"	40	24	124	64	51	105	14

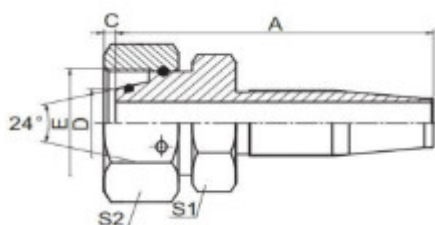


Reusable Ferrule for R5

**00518**

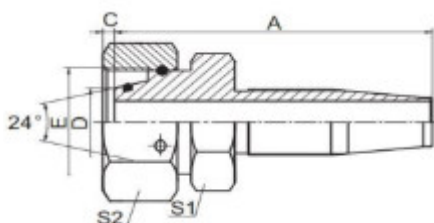
PART NO	HOSE		DIMENSION	
	DN	DASH	L	S
00518-04	5	4	28	17
00518-05	6	5	31	19
00518-06	8	6	33	22
00518-08	11	8	42	24
00518-10	13	10	46	30
00518-12	16	12	54	32
00518-16	22	16	42	36
00518-20	28	20	45	46
00518-24	35	24	47	50
00518-32	50	32	57	65

F Metric L - 24° Cone with O-Ring

**20418D**

PART NO	THREAD E	HOSE		TUBE	DIMENSION			
		DN	DASH	OD	A	C	S1	S2
20418D-14-04	M14x1.5	5	4	8	31	1.1	12	17
20418D-16-05	M16x1.5	6.3	5	10	33	1.3	14	19
20418D-18-06	M18x1.5	8	6	12	33	1.5	17	22
20418D-22-08	M22x1.5	11	8	15	36	2	19	27
20418D-26-10	M26x1.5	12.5	10	18	42	2.4	27	32
20418D-30-12	M30x2	16	12	22	44	2.4	30	36
20418D-36-16	M36x2	22	16	28	42	3	36	41
20418D-45-16	M45x2	22	16	35	45	3.1	41	50
20418D-45-20	M45x2	29	20	35	45	3.1	41	50
20418D-52-24	M52x2	35	24	42	49	3.6	50	60

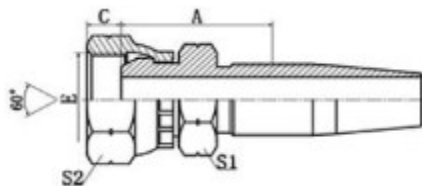
F Metric S - 24° Cone with O-Ring

**20518D**

PART NO	THREAD E	HOSE		TUBE	DIMENSION			
		DN	DASH	OD	A	C	H	S2
20518D-16-04	M14x1.5	5	4	8	32	2	14	19
20518D-16-05	M16x1.5	6.3	5	8	33	2	14	19
20518D-18-04	M18x1.5	5	4	10	32	2	17	22
20518D-18-06	M18x1.5	8	6	10	33	2	17	22
20518D-20-06	M20x1.5	8	6	12	34	2	17	24
20518D-22-06	M22x1.5	8	6	14	33	2	19	27
20518D-24-08	M24x1.5	11	8	16	37	2	22	30
20518D-30-10	M30x2	12.5	10	20	45	3	27	36
20518D-30-12	M30x2	16	12	20	46	3	27	36
20518D-36-12	M36x2	16	12	25	47	5	36	41
20518D-36-16	M36x2	22	16	25	43	5	36	41
20518D-42-16	M42x2	22	16	30	46	6	41	50
20518D-42-20	M42x2	29	20	30	46	6	41	50
20518D-52-20	M52x2	29	20	38	48	7	50	60
20518D-52-24	M52x2	35	24	38	48	7	50	60



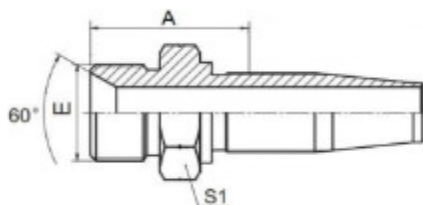
F BSP - 60° Cone

**22618D**

PART NO	THREAD E	HOSE TUBE		DIMENSION			
		DN	DASH	A	C	S1	S2
22618D-04-04	G1/4"X19	5	4	26	6	14	19
22618D-06-05	G3/8"X19	6	5	29.1	6	17	22
22618D-06-06	G3/8"X19	8	6	30	6	17	22
22618D-08-08	G1/2"X14	11	8	35	8	19	27
22618D-10-10	G5/8"X14	13	10	35.5	10	22	30
22618D-12-12	G3/4"X14	16	12	38.5	11	27	32
22618D-16-16	G1"X11	22	16	37	12	32	41
22618D-20-20W	G1.1/4"X11	28	20	41.5	11	41	50

MALE NPT THREAD 60° CONE SEAL SERIES

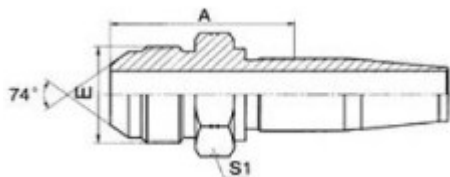
M NPT

**15618**

PART NO	THREAD E	HOSE TUBE		DIMENSION	
		DN	DASH	A	S1
15618-02-04	1/8x27	5	4	25.5	12
15618-04-04	1/4x18	5	4	30	17
15618-04-06	1/4x18	8	6	31	17
15618-06-05	3/8x18	6	5	32.9	19
15618-06-06	3/8x18	8	6	32	19
15618-08-08	1/2x14	11	8	40.5	22
15618-12-10	3/4x14	13	10	42.5	30
15618-12-12	3/4x14	16	12	43	30
15618-16-16	1x11.5	22	16	46.5	36
15618-20-20	1-1/4x11.5	28	20	51.5	46
15618-24-24	1-1/2x11.5	35	24	52.5	50
15618-32-32	2x11.5	50	32	55	65

MALE JIC THREAD 74° CONE SEAL

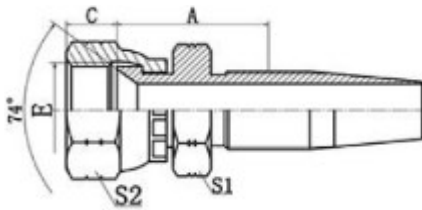
M JIC - 74° Cone Seal

**16718**

PART NO	THREAD E	HOSE TUBE		DIMENSION	
		DN	DASH	A	S1
16718-04-04	7/16"X20	5	4	29	12
16718-06-05	9/16"X18	6	5	31	17
16718-06-06	9/16"X18	8	6	32	17
16718-08-06	3/4"X16	8	6	34.7	22
16718-08-08	3/4"X16	11	8	38	22
16718-10-10	7/8"X14	13	10	40.5	24
16718-12-12	1.1/16"X12	16	12	45.5	30
16718-16-16	1.5/16"X12	22	16	44	36
16718-20-20	1.5/8"X12	28	20	49.5	46
16718-24-24	1.7/8"X12	35	24	52.5	50



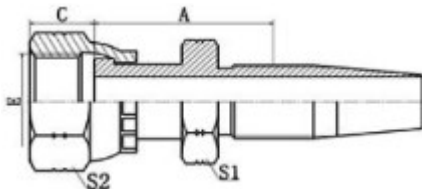
F JIC - 74° Cone Seal



26718D

PART NO	THREAD E	HOSE TUBE		DIMENSION			
		DN	DASH	A	C	S1	S2
26718D-04-04	7/16"X20	5	4	22	9	14	17
26718D-05-05	1/2"X20	6	5	25.4	10	14	17
26718D-06-06	9/16"X18	8	6	24.5	11	17	19
26718D-08-08	3/4"X16	11	8	31.5	11	22	24
26718D-10-10	7/8"X14	13	10	34	13	27	27
26718D-12-12	1.1/16"X12	16	12	37	15	32	32
26718D-16-16	1.5/16"X12	22	16	33.5	16	38	41
26718D-20-20W	1.5/8"X12	28	20	41.5	17	41	50
26718D-24-24W	1.7/8"X12	35	24	43	20	46	55
26718D-32-32W	2.1/2"X12	52	32	46	24	65	75

F JIC - 74° Cone Seal

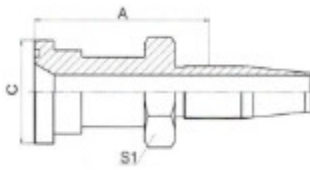


24218D

PART NO	THREAD E	HOSE TUBE		DIMENSION			
		DN	DASH	A	C	S1	S2
24218D-04-04	9/16x18	5	4	30.5	9	14	17
24218D-04-05	9/16x18	6.3	5	32	8	14	17
24218D-06-06	11/16x16	8	6	34.5	10	17	22
24218D-08-08	13/16x16	11	8	41.5	11	19	24
24218D-10-10	1x14	12.5	10	47.5	14	24	30
24218D-12-12	1-3/16x12	16	12	50.5	15	30	36
24218D-16-16	1-7/16x12	22	16	49	15	36	41
24218D-20-20W	1-11/16x12	29	20	54.5	15	41	50
24218D-24-24W	2x12	35	24	57	15	50	60

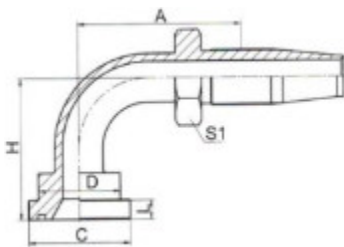


Code 61 Flange - 3000 PSI

**87318D**

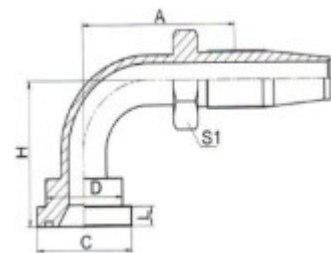
PART NO	THREAD E	HOSE		DIMENSION		
		DN	DASH	A	C	S1
87318D-08-08	1/2"	11	8	54	30	22
87318D-12-12	3/4"	16	12	55	38	27
87318D-16-16	1"	22	16	55	44	32
87318D-20-20	1-1/4"	29	20	58	51	41
87318D-24-24	1-1/2"	35	24	70	60	46
87318D-32-32	2"	46	32	72	71	60

Code 61 Flange - 3000 PSI - 90°

**87398D**

PART NO	THREAD E	HOSE		DIMENSION					
		DN	DASH	A	C	D	H	L	S1
87398D-08-08	1/2"	11	8	53	30	24	47	7	27
87398D-12-10	3/4"	12.5	10	67	38	32	53	7	32
87398D-12-12	3/4"	16	12	80	38	32	62	7	32
87398D-16-12	1"	16	12	80	44	38	62	8	32
87398D-16-16	1"	22	16	87	44	38	68	8	41
87398D-20-16	1-1/4"	22	16	87	51	43	68	8	41
87398D-20-20	1-1/4"	29	20	101	51	43	79	8	50
87398D-24-20	1-1/2"	29	20	101	60	50	81	8	50
87398D-24-24	1-1/2"	35	24	108	60	50	94	8	55
87398D-32-24	2"	35	24	108	71	62	94	10	55
87398D-32-32	2"	46	32	129	71	62	114	10	70

Code 62 Flange - 6000 PSI - 90°

**87698D**

PART NO	THREAD E	HOSE		DIMENSION					
		DN	DASH	A	C	D	H	L	S1
87698D-08-08	1/2"	11	8	53	32	24	48	8	27
87698D-12-10	3/4"	12.5	10	67	41	32	57	9	32
87698D-12-12	3/4"	16	12	80	41	32	66	9	32
87698D-16-12	1"	16	12	80	48	38	69	10	32
87698D-16-16	1"	22	16	87	48	38	75	10	41
87698D-20-16	1-1/4"	22	16	87	54	44	79	10	41
87698D-20-20	1-1/4"	29	20	101	54	44	90	10	50
87698D-24-20	1-1/2"	29	20	101	64	51	95	13	50
87698D-24-24	1-1/2"	35	24	108	64	51	108	13	55
87698D-32-24	2"	35	24	108	79	67	116	13	55
87698D-32-32	2"	46	32	129	79	67	136	13	70





GRYPHONFLEX™

Hydraulic Conveyance System



GryphonFlex™

XTREME

Hose, Fittings & Adaptors

The GryphonFlex series is a cost-effective hydraulic conveyance system consisting of hose, fittings and adaptors that are engineered, tested and verified to work together to provide excellent performance and reliability across a wide range of uses and applications.

RELIABLE
SYSTEM-MATCHED
PERFORMANCE



Engineered and assembled in Canada
GryphonFlex™ meets SAE standards for operating pressure, temperature, abrasion resistance and impulse cycle life.

Flagship GryphonFlex™**XTREME** meets or **exceeds** SAE standards for pressure, temperature, and abrasion while offering **million impulse cycles** - for your lowest lifecycle cost option.

**XTREME
MILLION
CYCLES**

Extreme lifecycle



**Gryphon
Flex.com**

info@gryphonflex.com

SAFETY GUIDE



WARNING

Death, life-changing injury, and destruction of property can result from failure, improper use, or improper selection of hose, tubing, fittings, adaptors, accessories and assemblies.

Possible outcomes include:



- Hose failure and blow out.
- Fluids discharged at high velocity.
- Fittings blown away at high velocity.
- Ignition or explosion of fluid.
- Impact with abruptly descending or moving objects that were held or transported by conveying fluid.
- Dangerously "whipping" hose.
- Electric shock from high-voltage power lines or other electrical sources.
- Flashes or explosions resulting from the accumulation of static electricity.
- Flashes or explosions occurring while applying paint or other flammable liquids.
- Personal contact with conveyed fluids that can be toxic, cold, hot or potentially harmful.

A FLUID INJECTION IS A CRITICAL EMERGENCY



DANGER - FLUID INJECTION

Fluid injection injuries can lead to gangrene, loss of limb, or death.

NEVER CHECK FOR LEAKS BY HAND OR GLOVE

Critical information for Emergency Room doctors:

- Type of fluid
- Pressure of injected fluid
- Amount of fluid injected
- Time between injection and treatment

**DO NOT LEAVE THE HOSPITAL UNTREATED
EVEN IF THERE ARE MINIMAL OUTWARD SIGNS
OF INJURY**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN, CAN CAUSE DEATH, PERSONAL INJURY AND DESTRUCTION OF PROPERTY.

This document, along with other information provided by GryphonFlex™, its affiliated companies, and authorized distributors, offers product or system options for users with technical expertise to investigate further.

The user is entirely responsible for the final selection of the system and its components, ensuring that all performance, endurance, maintenance, safety, and warning requirements for the application are met. The user must thoroughly analyze the application, adhere to relevant industry standards, and consult the product catalog and any additional materials from GryphonFlex or its affiliates or authorized distributors.

If GryphonFlex™ or its affiliates or authorized distributors offer component or system options based on data or specifications supplied by the user, it is the user's responsibility to ensure that these data and specifications are appropriate and adequate for all intended applications and foreseeable uses of the components.

Offer of Sale

The items described in this document are offered for sale by GryphonFlex™, its related companies, or its authorized distributors. The terms of this offer and its acceptance are subject to the provisions outlined herein.

Warranty

GryphonFlex™ hose, fittings and adaptors are warranted to be free from defects in material or workmanship. This warranty is automatically voided where damage occurs due to improper use, abuse, misuse, inadequate maintenance or failure to follow installation, use and service recommendations.

Hose Shelf Life

The shelf life of rubber materials can be influenced by the storage environment. Quantifying shelf life can be challenging due to the numerous variables affecting the hose. By following proper storage precautions, the shelf life can range from three to five years. However, beyond this period, there may be a notable decline in service life, depending on storage conditions.

Factors that can impact this include:

TEMPERATURE: The hose should be kept in a cool, dry location where the temperature does not exceed 100°F (38°C). If stored in freezing conditions, the hose may need to be warmed before handling, testing, or using it.

EXPOSURE: Avoid direct sunlight, rain, heaters, or placement near electrical equipment.

ENVIRONMENTAL FACTORS: Be mindful of humidity and ozone levels.

CHEMICALS: Keep the hose away from oil, solvents, corrosive materials, or fumes.

PESTS: Protect the hose from insects or rodents.

RADIOACTIVITY: Ensure the storage area is free from radioactivity.

SPACE AND HANDLING: Allow adequate space and avoid sharp bends to prevent damage.

Keep the hose in its original container and avoid stacking it too high, as excessive weight can crush the hoses at the bottom of the stack.

We strongly recommend that hoses in extended storage be visually inspected and tested before use. Hoses that appear to be in marginal condition should be replaced to prevent potential failures, property damage, or personal injury. Store hoses using a first-in/first-out approach. Prolonged storage or poor storage conditions can degrade the hose, reduce its performance, and increase the risk of premature failure.

ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXPRESSLY DISCLAIMED. IN NO EVENT WILL GRYPHONFLEX BE LIABLE TO ANY PARTY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY AND INDIRECT DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, REGARDLESS OF WHETHER SUCH DAMAGES WERE REASONABLY FORESEEABLE, OR WHETHER GRYPHONFLEX HAD KNOWLEDGE THAT THEY COULD OCCUR.