EMYTE AUSTRALIA

Emyte Australia Pty.Ltd

Quality · Integrity · Innovation

COMPANY PROFILE

EMYTE AUSTRALIA PTY LTD is a professional brand for fluid connect components, it is situated in Melbourne, Australia, and its manufacture plant is based in Shanghai, China.

Emyte designs, manufactures and sells different standards & materials products, including compression fitting, welding fitting, adapter, hose fitting, clamp, quick release coupling, ball value, check value, hose and other related products.

With excellent standard and continuing developed new products, Emyte has met the different needs of customers, and won solid trust throughout those years. Emyte products are widely used in engineering, oil, marine, steel, power, paper manufacturing, pulp, mining and others industries.

As a globe leading brand for fluid connect components, we would like to supply and provide Emyte's best quality products and service.

Emyte Australia, your ideal partner for fluid components.

Don’t do followers to be leader

EMYTE SHANGHAI

INFORMATION

PART NO. Index

PART NO.	PAGE
00018	P23
00110	P20
00110-A	P20
00200	P21
00210	P22
00400	P22
00401	P23
00518	P105
00621	P93
00621-R15	P93
00710	P24
00TFO	P24
01400	P23
03310	P21
10311	P25
10411	P39
10511	P40
10513	P98
10611	P29
10711	P35
12211	P54
12611	P60
12613	P94
14211	P75
15611	P67
15613	P94
16011	P66
16711	P68
17811	P73
20111	P32
20141	P33
20191	P34
20211	P26
20231	P27
20241	P27
20291	P28
20411	P41
20441	P42
20491	P43
20511	P44
20541	P45
20591	P46
20611	P30

PART NO.	PAGE
20641	P31
20691	P31
20711	P36
20741	P37
20791	P37
21611	P79
21641	P79
21691	P80
22111	P55
22141	P56
22191	P57
22211	P58
22241	P59
22291	P59
22611	P62
22641	P63
22691	P64
24211	P76
24241	P77
24291	P78
26711	P69
26741	P70
26791	P71
27811	P74
27841	P74
27891	P75
29611	P87
29641	P87
29691	P88
50011	P51
50041	P52
50091	P53
60011	P89
67011	P89
70011	P90
72011	P91
87311	P80
87313	P100
87341	P81
87343	P101
87391	P82
87393	P101
87611	P83

PART NO.	PAGE
87613	P102
87641	P83
87643	P102
87691	P84
87693	P103
87693	P104
87913	P103
87993	P104
90011	P92
90012	P92
90013	P104
10811L	P38
12611A	P61
12611-PO	P111
13011-SP	P54
13011-SP(PO)	P110
13013-SP	P94
15611-PO	P110
15618-R5	P105
16711-PO	P112
16718-R5	P106
17618-R5	P108
20011-T	P88
20411C	P47
20491C	P48
20511C	P49
20591C	P50
20513-W	P99
20541C	P49
20543-W	P99
20593-T	P100
22611D	P65
22611D-SM	P65
22611-PO	P111
22613-ORW	P96
22613-W	P95
22618D-R5	P106
22643-W	P95
22643--W	P95
22691K	P66
22691K-PO	P111
24213-W	P96
24243-W	P96

PART NO.	PAGE
24293-W	P97
26711D	P72
26711-PO	P112
26713-W	P97
26718D-R5	P107
26718-R5T	P109
26791K	P73
26791K-PO	P113
26793-W	P98
26798D-R5	P107
27818D-R5	P108
27811-PO	P113
700M	P91
720B	P90
1FLW	P86
1FSW	P85
FL	P84
1B	P197
1B9	P198
1BG	P210
1BG4-OG	P211
1BG9-OG	P211
1BH	P212
1BH4-OG	P213
1BH9-OG	P214
1BN	P208
1BN9	P209
1BO	P215
1BT-SP	P205
1BT4-SP	P206
1BT9-SP	P207
1BW	P216
1B-WD	P217
1C	P133
1C9	P135
1CB-WD	P164
1CFL	P176
1CFL9	P177
1CFL-W	P182
1CG	P158
1CG9-OG	P159
1CH	P154
1CH9	P156

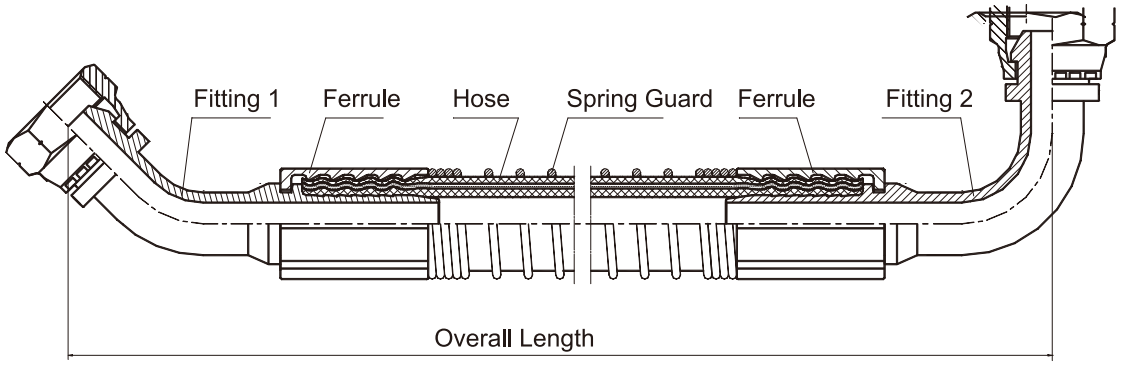
EMYTE AUSTRALIA

PART NO. Index

PART NO.	PAGE
1CI	P172
1CI-B	P171
1CJ	P168
1CM-WD	P166
1CN	P150
1CN9	P151
1CO	P163
1CO9-OG	P161
1CT	P152
1CT9	P153
1CW	P169
1CY	P178
1C-变径	P134
1DFS	P183
1DFS9	P183
1DFS-W	P182
1E	P117
1E9	P118
1EH	P124
1EH9-OG	P124
1EL	P125
1EN	P126
1ET-SP	P127
1EW	P128
1EW9	P128
1EZ	P129
1F	P270
1F9	P271
1FG	P280
1FG4-OG	P281
1FG9-OG	P282
1FO	P277
1FO4-OG	P278
1FO9-OG	P279
1J	P247
1J4	P248
1J9	P249
1JB-WD	P266
1JG	P262
1JG4-OG	P263
1JG9-OG	P264
1JO	P258
1JO4-OG	P260
1JO9-OG	P261
1JT4-SP	P256
1JT9-SP	P257
1JT-SP	P255
1N	P239
1N9	P240
1Q	P185
1QG	P191
1QG9	P191
1QH	P189
1QH9	P190
1QN	P193
1QO	P192
1QO9	P192
1QT-SP	P194
1T9-SP	P232
1T-SP	P231
2B	P200
2B4	P201
2B9	P201
2B9-G	P228
2BC-WD	P165
2B-G	P228
2C	P138
2C9/2D9	P141
2D	P139
2E9	P120
2F	P272
2F4	P273
2F9	P273
2GC	P170
2J	P251
2J9	P252
2MC-WD	P167
2NB	P218
2NB9	P219
2Q9	P186
2TB9-SP	P220
2TB-G/SP	P220
2WB	P216
2WC	P181
2WE	P130
3C	P144
3D	P144
4BN	P221
4B-WD	P222
4C/4D	P145
4E	P121
4F	P274
4J	P253
4N	P240
4N	P245
4BN-WD	P221
4NN	P245
4Q	P187
4TN	P233
4T-SP	P232
5B9	P222
5B-G	P229
5BN	P225
5BT	P225
5B-WD	P226
5CB	P179
5CM	P180
5GB	P227
5GT	P237
5JT	P254
5N	P241
5N9	P242
5T	P234
5T9	P235
6B	P203
6B9	P204
6C	P147
6C9	P148
6E	P122
6E9	P123
6F	P276
6F9	P276
6Q	P188
6Q9	P188
700M	P173
720B	P173
7B	P223
7B9-PK	P224
7N	P243
7N9-PK	P244
7T	P235
7T9-PK	P236
7TB-S	P227
8B	P204
8C	P149
9B	P203
9C	P146
9E	P122
9F	P275
9N-CAP	P243
AB	P199
AC	P136
ACCG-OG	P160
ACCH-OG	P157
ACCO-OG	P162
AE	P119
AEHE-OG	P125
AF	P271
AJ	P250
AJGJ-OG	P265
AJOJ-OG	P259
AQ	P186
BB	P202
BC	P142
BE	P120
CB	P202
CC	P143
CE	P121
CF	P274
GB-PK	P224
GN-PK	P244
GT-PK	P236
NB200	P267
NB200-Q	P195
NB300	P268
NB500	P268
NB500-Q	P195
NL	P174
RL	P175
XC	P137
XE	P119
ZT	P237

Advanced technology excellent quality

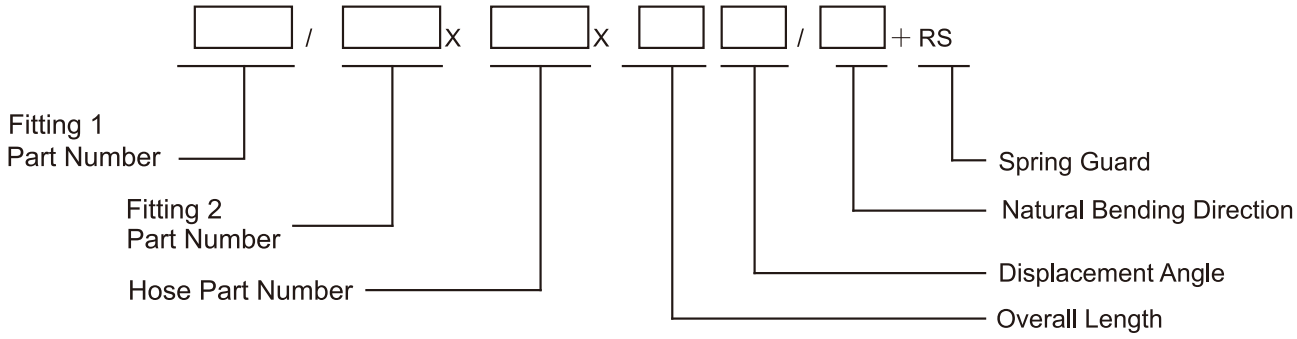
How To Order Hose Assembly



As the above fig.the hydraulic hose assembly consists of hose、fitting 1、fitting 2 and ferrule.

The fitting 1 maybe the same or different ad the fitting 2.They can be straight or elbow.

The spring guard may not be used.



Example 1: 22641-08-08/22691-12-08X1T08X1000V90/SSX+RS;

Without displacement angle/natural bending direction or spring guard,these part number may be omitted.

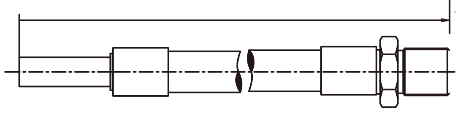
Example 2: The assembly with two fittings of the same part number is called out with only one fitting part number. 22691-08-08X1T08X1000V90

How To Measure Assembly

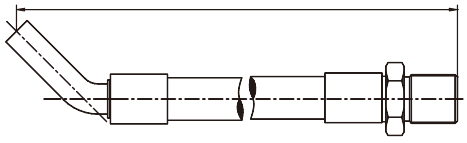
The overatl length of the hose assembly is measured to the sealing surface of straight fittings or to the centreline.of elbow fittings:As the following:

Length over nipples

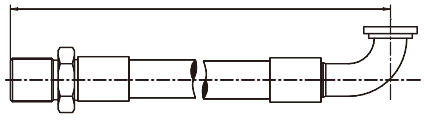
Length between S,P. and nipple ends



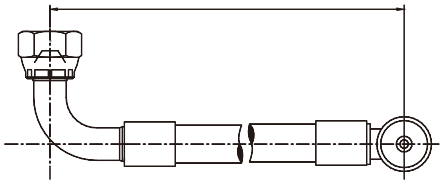
Length between centre line of angle and banjo



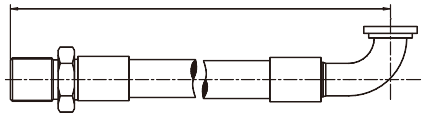
Length between male nipple and centre of female nipple



Length between centre line of angle and banjo



Length between male nipple and centre of angle

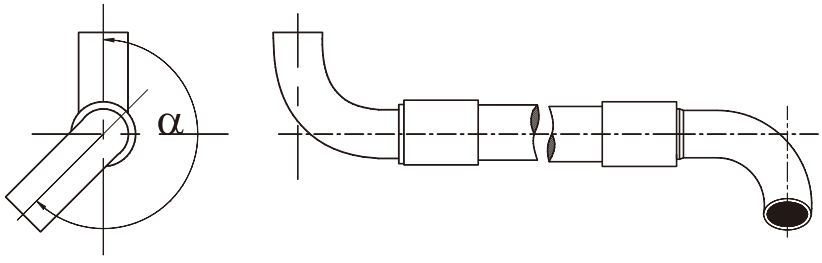


mm Length Tolerance For Hose Assembly

Length of Hose Assembly(mm)	Tolerance		
	≤25	25< Hose DN ≤50	>50
≤630	+7mm -3mm	+12mm -4mm	+25mm -6mm
630< Assembly Length≤1250	+12mm -4mm	+20mm -6mm	
1250<Assembly Length≤2500	+20mm -6mm	+25mm -6mm	
2500<Assembly Length≤8000	+1.5% -0.5%		
>8000	+3% -1%		

How To Measure Displacement Angle

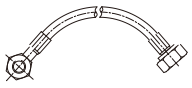
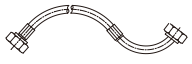
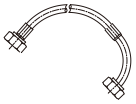
Whenever 2 elbow fittings are used, the displacement angle needs to be specified. Point the end of coupling 1 to a vertical position as shown in the diagram, measure the angle in a clockwise directcon from the center line of coupling 1 to the coupling 2, the measured angle is called the displacement angle. eg. if the angle is 225 degree, the displacement angle is written as V225.



Bending Direction of the Hose Assembly

Whenever a coiled rubber hose is unrolled, the rubber hose tends to maintain a curvature due to memory of the ru that bend is called the natural bending direction.
If elbow fittings are used in the hose assembly, the bending direction of the elbow fittings and the natural bending direction of the hose may composed the following different layout. Each layout can be described by a code as shown the table.

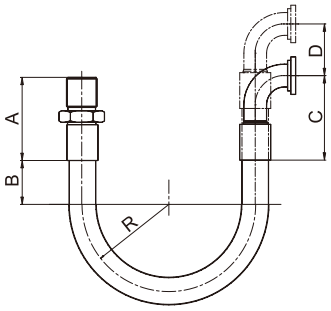
Layout for one straight fitting and one elbow fittings:

Fig.	Description	Code
	One End Vertical Outward	DCW
	One End Vertical Inward	DCN
	One End Horizontal Upward	DSS
	One End Horizontal Downward	DSX

when elbow fittings are used in both ends of hose assembly, there are ten possible situations:

Fig.	Description	Code
	Two Ends Horizontal Downward	SSX
	Two Ends Horizontal Upward	SSS
	Two Ends in the different Direction Fitting 1 Downward,Fitting 2 Upward	SSY
	Two Ends in the same Direction Two Ends Vertical Outward	STC
	Two Ends in the different Direction Fitting 1Outward,Fitting 2 Inward	SYC1
	Two Ends in the different Direction Fitting 1Inward,Fitting 2 Outward	SYC2
	Fitting 1Vertical Inward Fitting 2 Horizontal Upward	YNES
	Fitting 1Vertical Outward Fitting 2 Horizontal Upward	YWES
	Fitting 1Vertical Inward Fitting 2 Horizontal Downward	YNEX
	Fitting 1Vertical Outward Fitting 2 Horizontal Downward	YWEX

How to Determine Correct Assembly Length When Hose Is Bending



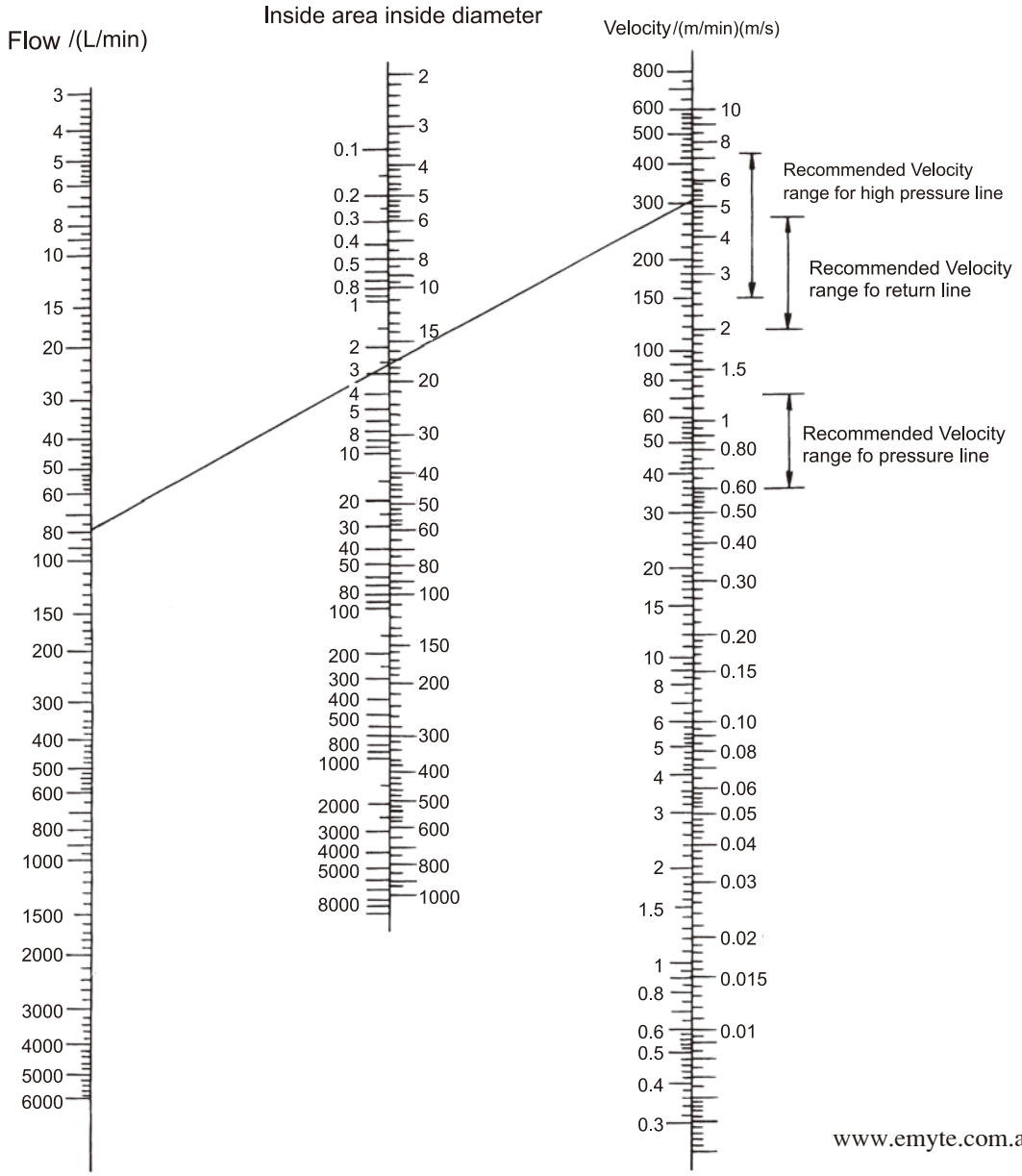
Show fig. If assembly station is fastening assembly length is A+2B+C+ π R.

If moving,assembly length is A+2B+C+D+ π R.

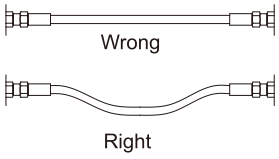
B≥1.5*hose outside diameter

R≥ minimum hose bending radius

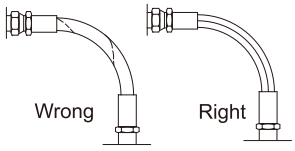
Flow Capacity Nomogram



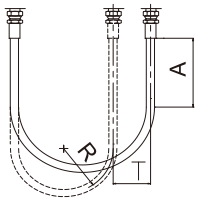
Correct Assembly Installation



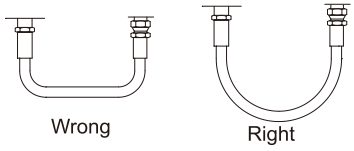
Since hose may change in length from+2%to -4% under the surge of high pressure,provide sufficient slack for expansion and contraction.



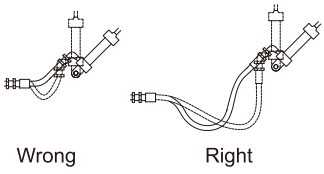
Hose should not be twisted.Hose is weakeded when insralled intwisted position,Also pressure intwisted hose tends to loosen fitting connections.Design so that machine motion produces bending rather that twisting.



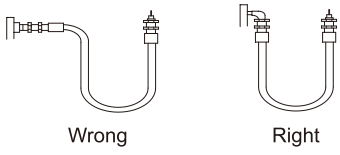
Never use a bending radius less than the minimum shown in the hose specification tables.The bending radius of the hose should be far away from the hose fitting(A＞1.5R)



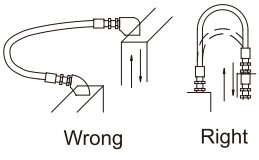
Leave proper length when the hose is connected.



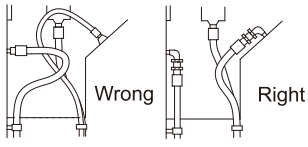
Hose bending radius is bigger when it is in motion.



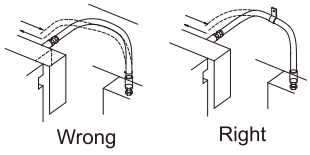
Choice proper fittings,avoid too small bending radius and excess force.



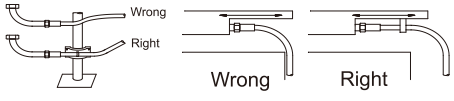
Choice proper fittings， avoid twistingin hoselines bent in two planes



Choice proper fittings,avoid too excessive hose length.

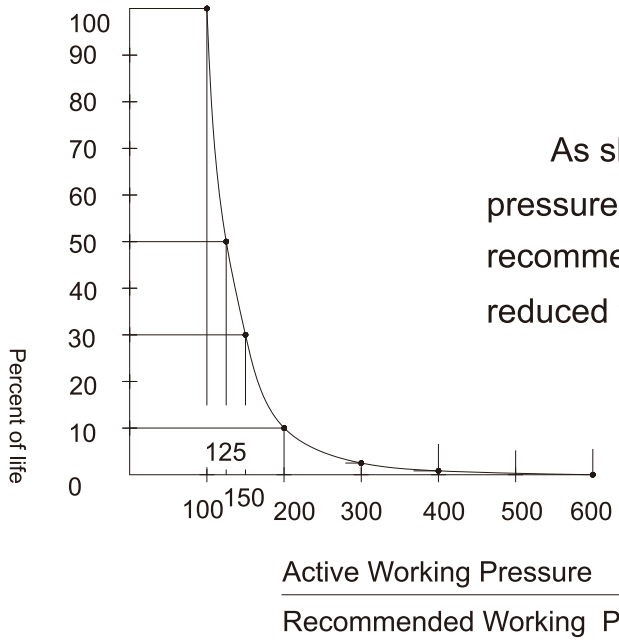


Avoid twisting in hose by using clamp properly.



Reduce frition ,avoid hose touching the object directly or far away from the object.

Hose Active Working Pressure-Working

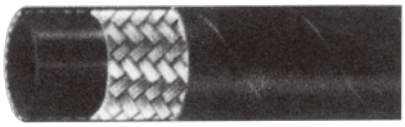


As shown in the tabla, when the working pressure of the hose assembly is 1 25 times the recommend working pressure, the life span is reduced to50%.

Store Condions of the Assembly

- The recommended storage temperature range is O - 35 degrea C, exceeding +50 degree C is not allowed
- Storage araa should not have equipment that might emit ozone· such as mercury vapor lamp, high voltage elactncli device, electric generator or other devices that may produce electric spark
- Corrosive materials . flammable and gas volatile products cannot stored in nearby area
- Stay away form source of strong heat,strong electro-magnetic field.
- Avoid diract sunlight or strong artificial light source
- Protect all rubber surface from damage due to sharp objects or abrasion
- Can not be pHed up too high
- Guarantee against rodent attacking
- Follow the rules of “first in first out” .

One Wire Braid Hose(SAE 100 R1AT)



Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement: ASingle Wire Braid Reinforcement

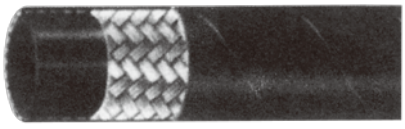
Cover: Oil And Weather Resistant Synthetic

Themperature Range:-40℃~+100℃

Insert: xxxx1-xx-xx Series

HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
1T03	5	-03	3/16	4.8	11.8	82.7	20.7	89	00110-03A
1T04	6	-04	1/4	6.4	13.4	75.8	19.0	102	00110-04A
1T05	8	-05	5/16	7.9	15.0	68.9	17.2	114	00110-05A
1T06	10	-06	3/8	9.5	17.4	62.0	15.5	127	00110-06A
1T08	12	-08	1/2	12.7	20.6	55.2	13.8	178	00110-08A
1T10	16	-10	5/8	15.9	23.7	41.4	10.3	203	00110-10A
1T12	20	-12	3/4	19.0	27.7	34.5	8.6	241	00110-12A
1T16	25	-16	1	25.4	35.6	27.6	6.9	305	00110-16A
1T20	32	-20	1.1/4	31.8	43.5	17.2	4.3	419	00110-20
1T24	40	-24	1.1/2	38.1	50.6	13.8	3.4	508	00110-24
1T32	50	-32	2	50.8	64.0	10.3	2.6	635	00110-32

One Wire Braid Hose(EN 853 1SN)



Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement: ASingle Wire Braid Reinforcement

Cover: Oil And Weather Resistant Synthetic

Themperature Range:-40℃~+100℃

Insert: xxxx1-xx-xx Series

HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
1SN03	5	-03	3/16	4.8	11.8	100	25.0	90	00110-03A
1SN04	6	-04	1/4	6.4	13.4	90	22.5	100	00110-04A
1SN05	8	-05	5/16	7.9	15.0	85	21.5	115	00110-05A
1SN06	10	-06	3/8	9.5	17.4	72	18.0	130	00110-06A
1SN08	12	-08	1/2	12.7	20.6	64	16.0	180	00110-08A
1SN10	16	-10	5/8	15.9	23.7	52	13.0	200	00110-10A
1SN12	20	-12	3/4	19.0	27.7	42	10.5	240	00110-12A
1SN16	25	-16	1	25.4	35.6	35	8.8	300	00110-16A
1SN20	32	-20	1.1/4	31.8	43.5	25	6.3	420	00110-20
1SN24	40	-24	1.1/2	38.1	50.6	20	5.0	500	00110-24
1SN32	50	-32	2	50.8	64.0	16	4.0	630	00110-32

One Wire Braid Hose(SAE 100 R2AT)

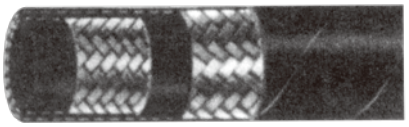
Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement: Two Wire Braid Reinforcement

Cover: Oil And Weather Resistant Synthetic

Themperature Range: -40℃~+100℃

Insert: xxxx1-xx-xx Series



HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
2T03	5	-03	3/16	4.8	13.4	137.9	34.5	89	03310-03
2T04	6	-04	1/4	6.4	15.0	137.9	34.5	102	03310-04
2T05	8	-05	5/16	7.9	16.7	117.2	29.3	114	03310-05
2T06	10	-06	3/8	9.5	19.1	110.3	27.6	127	03310-06
2T08	12	-08	1/2	12.7	22.2	96.5	24.1	178	03310-08
2T10	16	-10	5/8	15.9	25.4	76.8	19.0	203	03310-10
2T12	20	-12	3/4	19.0	29.3	62.0	15.5	241	03310-12
2T16	25	-16	1	25.4	38.1	55.2	13.8	305	03310-16
2T20	32	-20	1.1/4	31.8	48.3	44.8	11.2	419	03310-20
2T24	40	-24	1.1/2	38.1	54.6	34.5	8.6	508	03310-24
2T32	50	-32	2	50.8	67.4	31.0	7.8	635	03310-32

One Wire Braid Hose(EN 853 2SN)

Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement: Two Wire Braid Reinforcement

Cover: Oil And Weather Resistant Synthetic

Themperature Range: -40℃~+100℃

Insert: xxxx1-xx-xx Series

HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
2SN03	5	-03	3/16	4.8	13.4	165	41.5	90	03310-03
2SN04	6	-04	1/4	6.4	15.0	160	40.0	100	03310-04
2SN05	8	-05	5/16	7.9	16.7	140	35.0	115	03310-05
2SN06	10	-06	3/8	9.5	19.1	132	33.0	130	03310-06
2SN08	12	-08	1/2	12.7	22.2	110	27.5	180	03310-08
2SN10	16	-10	5/8	15.9	25.4	100	25.0	200	03310-10
2SN12	20	-12	3/4	19.0	29.3	85	21.5	240	03310-12
2SN16	25	-16	1	25.4	38.1	65	16.5	300	03310-16
2SN20	32	-20	1.1/4	31.8	48.3	50	12.5	420	03310-20
2SN24	40	-24	1.1/2	38.1	54.6	36	9.0	500	03310-24
2SN32	50	-32	2	50.8	67.4	32	8.0	630	03310-32

Wire Spiral Hose(GB/T 10544 R12----SAE 100 R12----EN 856 R12)

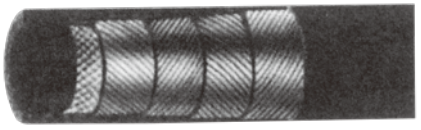
Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement: 4 Wire Braid Reinforcement

Cover: Oil And Weather Resistant Synthetic

Themperature Range:-40℃~+121℃

Insert: xxxx2-xx-xx Series



HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
R1206	10	-06	3/8	9.5	20.3	110.3	27.6	127	00400-06
R1208	12	-08	1/2	12.7	23.8	110.3	27.6	178	00400-08
R1210	16	-10	5/8	15.9	27.4	110.3	27.6	203	00400-10
R1212	20	-12	3/4	19.0	30.7	110.3	27.6	241	00400-12
R1216	25	-16	1	25.4	38.0	110.3	27.6	305	00400-16
R1220	32	-20	1.1/4	31.8	47	82.7	20.7	419	01400-20
R1224	40	-24	1.1/2	38.1	53.5	69.0	17.2	508	01400-24
R1232	50	-32	2	50.8	66.7	69.0	17.2	635	00401-32

Wire Spiral Hose(GB/T 10544 4SP----EN 856 4SP)

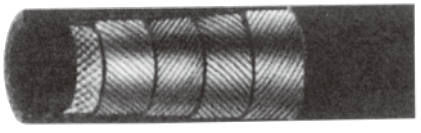
Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement: 4 Wire Braid Reinforcement

Cover: Oil And Weather Resistant Synthetic

Themperature Range:-40℃~+100℃

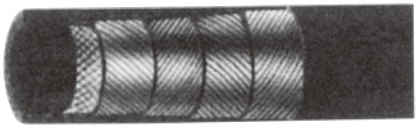
Insert: xxxx2-xx-xx Series



HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
4SP04	6	-04	1/4	6.4	17.9	180	45.0	150	00400-04
4SP06	10	-06	3/8	9.5	21.4	178	44.5	180	00400-06
4SP08	12	-08	1/2	12.7	24.4	166	41.5	230	00400-08
4SP10	16	-10	5/8	15.9	28.2	140	35.0	250	00400-10
4SP12	20	-12	3/4	19.0	32.2	140	35.0	300	00400-12
4SP16	25	-16	1	25.4	39.7	112	28.0	340	00400-16
4SP20	32	-20	1.1/4	31.8	50.8	84	21.0	460	00400-20
4SP24	40	-24	1.1/2	38.1	57.2	74	18.5	560	00400-24
4SP32	50	-32	2	50.8	69.8	66	16.5	660	00400-32

Wire Spiral Hose(GB/T 10544 4SH----EN 856 4SH)

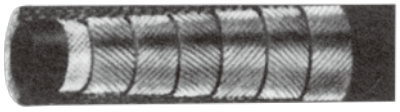
Inner Tube: Oil Resistant Synthetic Rubber
Reinforcement: 4 Wire Braid Reinforcement
Cover: Oil And Weather Resistant Synthetic
Themperature Range:-40℃~+100℃
Insert: xxxx2-xx-xx Series



HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
4SH12	19	-12	3/4	19.0	32.2	168	42	280	00400-12
4SH16	25	-16	1	25.4	38.7	152	38	340	00400-16
4SH20	32	-20	1.1/4	31.8	45.5	130	32.5	460	00401-20
4SH24	40	-24	1.1/2	38.1	53.5	116	29	560	00401-24
4SH32	50	-32	2	50.8	68.1	100	25	700	00401-32

Wire Spiral Hose(GB/T 10544 R13----SAE 100 R13---EN 856 R13)

Inner Tube: Oil Resistant Synthetic Rubber
Reinforcement: Multiple Steel Sprials Reinforcement
Cover: Oil And Weather Resistant Synthetic
Themperature Range:-40℃~+121℃
Insert: xxxx3-xx-xx Series



HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
R1312	20	-12	3/4	19.0	32.1	137.9	34.5	241	00621-12
R1316	25	-16	1	25.4	38.7	137.9	34.5	305	00621-16
R1320	32	-20	1.1/4	31.8	49.8	137.9	34.5	419	00621-20
R1324	40	-24	1.1/2	38.1	57.3	137.9	34.5	508	00621-24
R1332	50	-32	2	50.8	71.8	137.9	34.5	635	00621-32

Wire Spiral Hose(GB/T 10544 R15----SAE 100 R12----EN 856 R15)

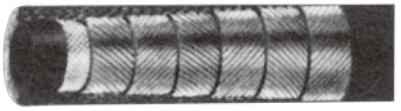
Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement: Multiple Steel Sprials Reinforcement

Cover: Oil And Weather Resistant Synthetic

Themperature Range:-40℃~+121℃

Insert: xxxx3-xx-xx Series



HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
R1506	10	-06	3/8	9.5	20.6	168	42	130	00621-06(R15)
R1508	12	-08	1/2	12.7	23.8	168	42	180	00621-08(R15)
R1512	20	-12	3/4	19.0	31.6	168	42	280	00621-12(R15)
R1516	25	-16	1	25.4	38.6	168	42	300	00621-16(R15)
R1520	32	-20	1.1/4	31.8	49.6	168	42	400	00621-20(R15)
R1524	40	-24	1.1/2	38.1	56.5	168	42	500	00621-24(R15)

Twp Polyester Braid Hose(SAE 100 R7----EN 855 R7)

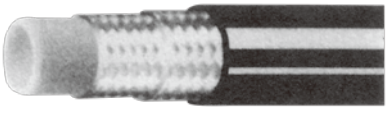
Inner Tube: Thermoplastic Polyeater

Reinforcement: 2 High Tenacity Polyester Braids Reinforcement

Cover: Oil And Weather Resistant Synthetic

Themperature Range:-40℃~+93℃

Insert: xxxx1-xx-xx Series



HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
R703	5	-03	3/16	4.8	9.5	82.7	20.7	40	00018-03
R704	6	-04	1/4	6.4	11.9	75.8	19.0	50	00018-04
R705	8	-05	5/16	7.9	14.3	68.9	17.2	60	00018-05
R706	10	-06	3/8	9.5	16.5	62.0	15.5	75	00018-06
R708	12	-08	1/2	12.7	20.4	55.2	13.8	95	00018-08

One Wire Braid-Textile Cover Hose(SAE 100 R5)

Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement:

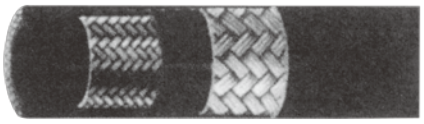
1 Textile Braid,1 High Tensite Steel Braid

Cover:

One Textile Braid Embedded With Synthetic Rubber

Themperature Range:-40℃~+100℃

Insert: xxxx8-xx-xx Series



HOSE PART NO.	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	DASH	in	mm	mm	MPa	MPa	mm	
R504	-04	3/16	4.8	13.2	84.0	21.0	76	00518-04
R505	-05	1/4	6.4	14.8	84.0	21.0	86	00518-05
R506	-06	5/16	7.9	17.3	62.0	15.5	102	00518-06
R508	-08	13/32	10.3	19.5	56.0	14.0	117	00518-08
R510	-10	1/2	12.7	23.4	48.4	12.1	140	00518-10
R512	-12	5/8	15.9	27.4	41.2	10.3	165	00518-12
R516	-16	7/8	22.2	31.4	22.0	5.5	187	00518-16
R520	-20	1.1/8	28.6	38.1	17.2	4.3	229	00518-20
R524	-24	1.3/8	34.9	44.5	13.6	3.4	267	00518-24
R532	-32	1.13/16	46.0	56.4	9.6	2.4	337	00518-32

PTFE Hose

Inner Tube: PTFE

Cover:A Single Braid OF Stainless Steel

Themperature Range:-54℃~+204℃

Insert: xxxx1-xx-xx Series

HOSE PART NO.	HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	mm	MPa	MPa	mm	
3051	5.1	8	79.3	26.4	63	00TF0-03
3067	6.7	9	67.2	22.4	76	00TF0-04
3084	8.4	11	62.1	20.7	101	00TF0-05
1106	9.5	12.5	69.0	23.0	127	00TF0-06
3134	13.4	16.5	48.3	16.1	152	00TF0-08
3166	16.6	20	34.5	11.0	178	00TF0-10
3198	19.8	23	31.0	10.3	203	00TF0-12
3261	26.1	29.5	24.1	8.0	305	00TF0-16

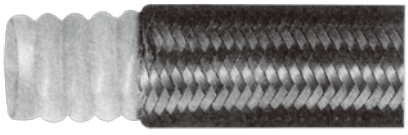
PTFE Hose

Inner Tube: A Helical Tape Wrapped Convoluted PTFE

Cover:A Single Braid OF Stainless Steel

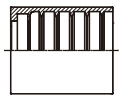
Themperature Range:-54℃~+204℃

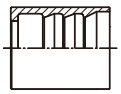
Insert: xxxx1-xx-xx Series

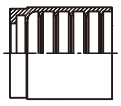


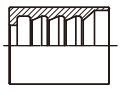
HOSE PART NO.	HOSE I.D.	HOSE O.D.	MIN BURST PRESSURE	MAX W.P.	MIN.BEND. RAD.	FERRULE
	mm	mm	MPa	MPa	mm	
9806	9.53	15.62	27.6	6.9	25.4	00710-06
9808	12.7	19.93	34.5	8.6	38	00710-08
9810	16.0	23.03	38.6	9.6	50	00710-10
9812	19.05	26.67	30.3	7.6	63	00710-12
9816	25.4	32.25	27.6	6.9	76	00710-16
9820	31.75	39.88	27.6	6.9	88.9	00710-20
9824	38.10	45.97	20.7	5.2	114	00710-24
9832	50.80	58.93	13.5	3.4	133	00710-32

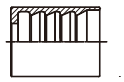
SWAGED HOSE FITTINGS INDEX

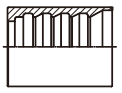
00110-A P20

FOR SAE 100R1AT /EN 853 1SN HOSE

00110 P20

FOR SAE 100R1AT /EN 853 1SN HOSE

03310 P21

FOR SAE 100R2AT /EN 853 2SN HOSE

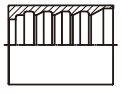
00200 P21

FOR SAE 100R2AT /EN 853 2SN HOSE

00210 P22

FOR SAE 100R2AT DIN20022 2SN HOSE

00400 P22

FOR 42P、4SH/10-16/ R12/06-16 HOSE

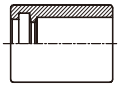
01400 P23

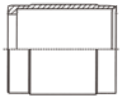
FOR R12/20-24 HOSE

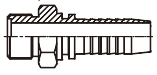
00401 P23

FOR 4SH、R12/32 HOSE

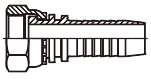
00018 P23

FOR SAE 100R7 HOSE

00TF0 P24

FOR TEFLON HOSE

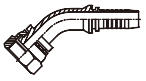
00710 P24

FOR TEFLON HOSE

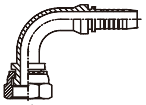
10311 P25

O-RING METRC MALE FLAT SEAL

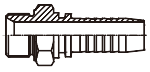
20211 P26

METRIC FEMALE FALT SEAT

20231 P27

30° METRIC FEMALE FALT SEAT

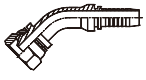
20241 P27

45° METRIC FEMALE FALT SEAT

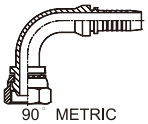
20291 P28

90° METRIC FEMALE FALT SEAT

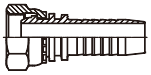
10611 P29

METRIC MALE 60° CONE SEAT

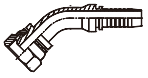
20611 P30

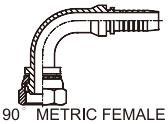
METRIC MALE 60° CONE

20641 P31

45° METRIC FEMALE 60° CONE

20691 P31

90° METRIC FEMALE 60° CONE

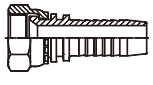
20111 P32

METRIC FEMALE MULTISEAL

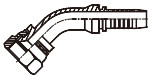
20141 P33

45° METRIC FEMALE MULTISEAL

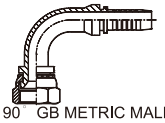
20191 P34

90° METRIC FEMALE MULTISEAL

10711 P35

GB METRIC MALE 74° CONE

20711 P36

GB METRIC MALE 74° CONE SEAT

20741 P37

45° GB METRIC MALE 74° CONE SEAT

20791 P37

90° GB METRIC MALE 74° CONE SEAT

10811L P38

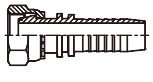
METRIC MALE 90° CONE

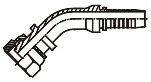
10411 P39

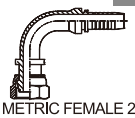
METRIC MALE 24° CONE SEAT L.T. ISO 8434-1-DIN 3861

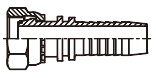
10511 P40

METRIC MALE 24° CONE SEAT L.T. ISO 8434-1-DIN 3861

20411 P41

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

20441 P42

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

20491 P43

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

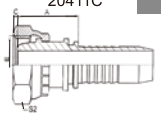
20511 P44

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

20541 P45

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

20591 P46

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

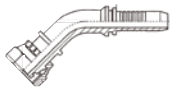
20411C P47

METRIC FEMALE 24° MULTISEAL L.T.

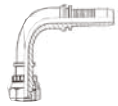
20491C P48

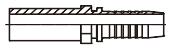
90° METRIC FEMALE 24° MULTISEAL L.T.

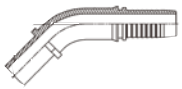
20511C P49

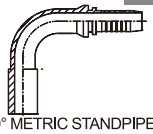
METRIC FEMALE 24° MULTISEAL H.T.

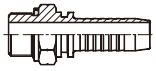
20541C P49

45° METRIC FEMALE 24° MULTISEAL L.

20591C P50

90°METRIC FEMALE 24° MULTISEAL H.T.

50011 P51

METRIC STANDPIPE STRAIGHT DIN 2353

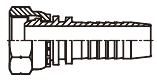
50041 P52

45° METRIC STANDPIPE STRAIGHT DIN 2353

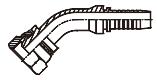
50091 P53

90° METRIC STANDPIPE STRAIGHT DIN 2353

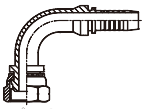
12211 P54

BSP MALE O-RING SEAL

13011-SP P54

BSPT MALE

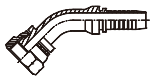
22111 P55

BSP FEMALE MULTISEAL

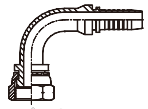
22141 P56

45° BSP FEMALE MULTISEAL

22191 P57

90° BSP FEMALE MULTISEAL

22211 P58

BSP MALE FLAT SEAT

22241 P59

45° BSP FEMALE FLAT SEAT

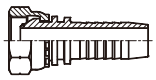
22291 P59

90° BSP FEMALE FLAT SEAT

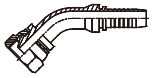
12611 P60

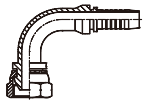
BSP MALE 60° CONE SEAT

12611A P61

BSP MALE DOUBLE USE FOR 60° CONE SEAT OR BONDED SEAL

22611 P62

BSP FEMALE 60° CONE

22641 P63

45° BSP FEMALE 60° CONE

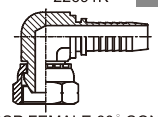
22691 P64

90° BSP FEMALE 60° CONE

22611D P65

BSP FEMALE 60° CONE DOUBLE HEXAGON

22611D-SM P65

BSP FEMALE 60° CONE DOUBLE HEXAGON

22691K P66

BSP FEMALE 60° CONE DOUBLE HEXAGON

16011 P66

SAE O-RING MALE ISO 11926-SAE J1926

15611 P67

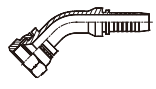
NPT MALE

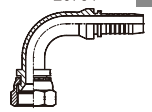
16711 P68

JIC MALE 74° CONE ISO 8434-2-SAE J514

26711 P69

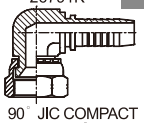
JIC FEMALE 74° CONE SEAT SAE J514

26741 P70

45° JIC FEMALE 74° CONE SEAT SAE J514

26791 P71

90° JIC FEMALE 74° CONE SEAT SAE J514

26711D P72

JIC FEMALE 74° CONE SEAT DOUBLE HEXAGOON SAE J514

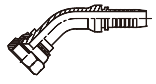
26791K P73

90° JIC COMPACT FEMALE 24° CONE SEAT J514

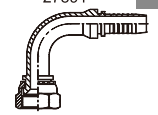
17811 P73

SAE MALE 90° CONE SAE J513

27811 P74

SAE FEMALE 90° CONE SEAT SAE J513

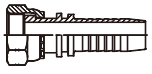
27841 P74

45° SAE FEMALE 90° CONE SEAT SAE J513

27891 P75

90° SAE FEMALE 90° CONE SEAT SAE J513

14211 P75

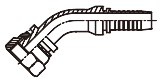
ORFS MALE
O-RING SEAL
ISO 8434-3-SAE J1452

24211 P76



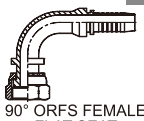
ORFS MALE
FLAT SEAT
ISO 12151-1-SAE J516

24241 P77



45° ORFS FEMALE
FLAT SEAT
ISO 12151-1-SAE J516

24291 P78



90° ORFS FEMALE
FLAT SEAT
ISO 12151-1-SAE J516

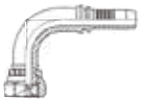
21611 P79

NPSM FEMALE 60°CONE
SAE J514

21641 P79

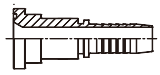
45°NPSM FEMALE 60°
CONE SAE J514

21691 P80



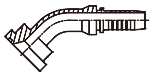
90°NPSM FEMALE 60°
CONE SAE J514

87311 P80



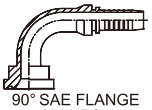
SAE FLANGE 3000 PSI
ISO 12151-3-SAE J1516

87341 P81



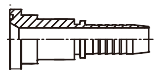
45° SAE FLANGE
3000 PSI
ISO 12151-3-SAE J516

87391 P82



90° SAE FLANGE
3000 PSI
ISO 12151-3-SAE J516

87611 P83

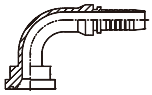


SAE FLANGE 6000 PSI
ISO 12151-3-SAE J516

87641 P83

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

87691 P84

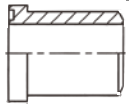


90°SAE FLANGE
6000 PSI
ISO 12151-3-SAE J516

FL P84

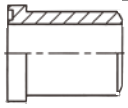
45°SAE FLANGE 3000 PSI
IS0 12151-3–SAE J516

1FSW P85



S-SERIES FLANGE
IS0 6162-2,WELD TUBE

1FLW P86

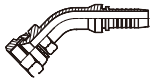


L-SERIES FLANGE ISO
6162-1.WELD TUBE

29611 P87

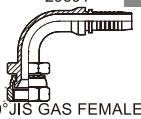
JIS GAS FEMALE 60
CONE SEAT
JIS B8363

29641 P87



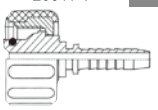
45°JIS GAS FEMALE
60 CONE SEAT
JIS B8363

29691 P88



90°JIS GAS FEMALE
60 CONE SEAT
JIS B8363

20011-T P88



METRIC FEMALE
WATER WASH INSER

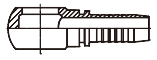
60011 P89

MT STAPLELOK MALE

67011 P89

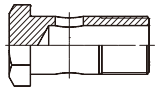
SAE STAPLELOK MALE
SAE J1467

70011 P90



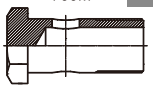
METRIC BANJO
DIN 7642

720B P90



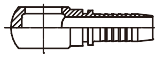
BSP BOLT

700M P91



METRIC BOLT
DIN 7643

72011 P91



BSP BANJO

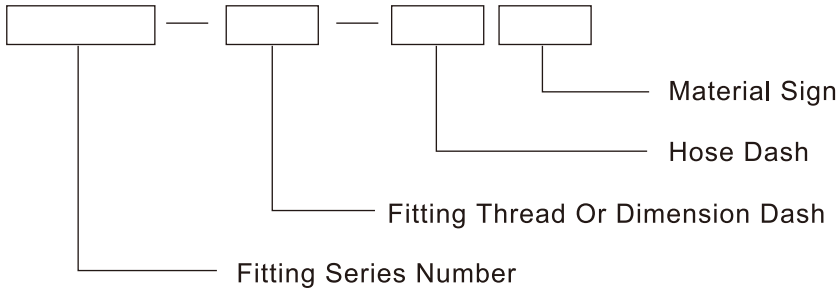
90011 P92

DOUBLE CONNECTOR

90012 P92

DOUBLE CONNECTOR

How To Order Hose Fitting

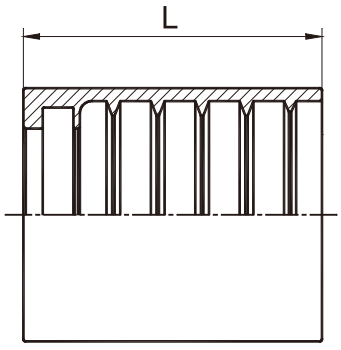


MATERIAL	CARBON STEEL	COPPER	STAINLESS STEEL
SIGN	------	EE	SS

HOSE DN	3	4	5	6	8	10	12	16	20	22	25	32	40	45	50	64
HOSE DASH	-01	-02	-03	-04	-05	-06	-08	-10	-12	-14	-16	-20	-24	-28	-32	-40

BSP THREAD	G1/8" X28	G1/4" X19	---	G3/8" X19	G1/2" X14	G5/8" X14	G3/4" X14	G1" X11	G1.1/4" X11	G1.1/2" X11	G2" X11
BSPT THREAD	R1/8" X28	R1/4" X19	---	R3/8" X19	R1/2" X14	---	R3/4" X14	R1" X11	R1.1/4" X11	R1.1/2" X11	R2" X11
NPT THREAD	Z1/8" X27	Z1/4" X18	---	Z3/8" X18	Z1/2" X14	---	Z3/4" X14	Z1" X11.5	Z1.1/4" X11.5	Z1.1/2" X11.5	Z2" X11.5
JIC THREAD	---	7/16" X20	1/2" X20	9/16" X18	3/4" X16	7/8" X14	1.1/16" X12	1.5/16" X12	1.5/8" X12	1.7/8" X12	2.1/2" X12
ORFS THREAD	---	9/16" X18	---	11/16" X16	13/16" X16	1" X14	1.3/16" X12	1.7/16" X12	1.11/16" X12	2" X12	---
SAE THREAD	---	---	---	5/8" X18	---	---	1.1/16" X14	---	---	---	---
FLANGE SIZE	---	---	---	---	1/2"	---	3/4"	1"	1.1/4"	1.1/2"	2"
DASH	-02	-04	-05	-05	-08	-10	-12	-16	-20	-24	-32
Note:The dash of metric thread accords with the O.D. Of thread											

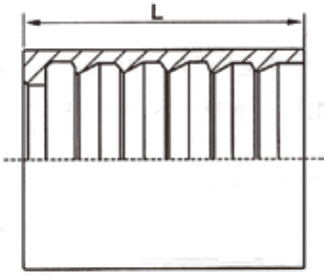
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 15611-08-08-SS means stainless steel adaptor.
15611-08-08-EE means brass adaptor.



00110-A

FERRULE FOR SAE 100R1AT/EN 853 1SN HOSE

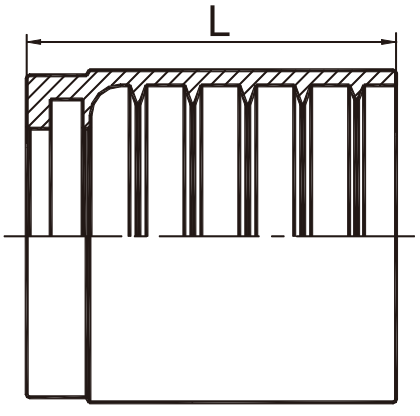
PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
00110-03A		5	03			23	
00110-04A		6	04			30.5	
00110-05A		8	05			30	
00110-06A		10	06			32	
00110-08A		12	08			34	
00110-10A		16	10			37	
00110-12A		20	12			42	
00110-16A		25	16			51	



00110

FERRULE FOR SAE 100R1AT/EN 853 1SN HOSE

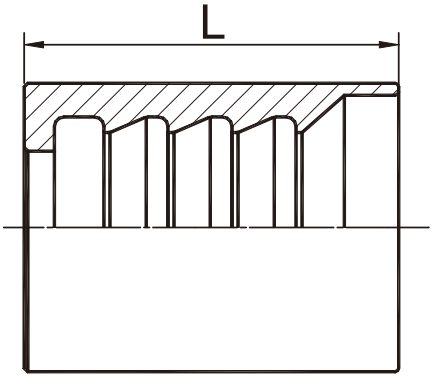
PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
00110-02		4	02			28	
00110-04		6	04			30	
00110-05		8	05			32	
00110-06		10	06			32	
00110-08		12	08			34	
00110-10		16	10			39	
00110-12		20	12			43	
00110-14		22	14			43	
00110-16		25	16			50	
00110-20		32	20			59	
00110-24		40	24			74	
00110-32		50	32			78	



03310

FERRULE FOR SAE 100 R2AT/EN 853 2SN HOSE

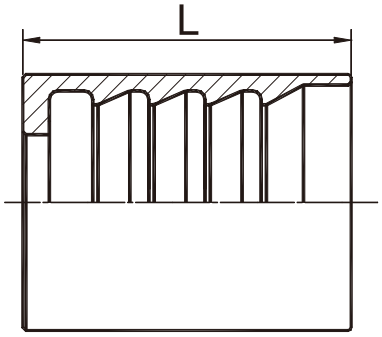
PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
03310-03		5	03			23	
03310-04		6	04			30.5	
03310-05		8	05			30	
03310-06		10	06			32	
03310-08		12	08			34	
03310-10		16	10			37	
03310-12		19	12			42	
03310-16		25	16			51	



00200

FERRULE FOR SAE 100 R2AT/EN 853 2SN HOSE

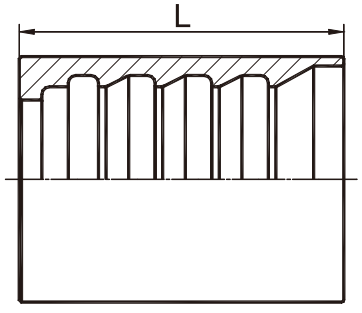
PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
00200-20		32	20			59	
00200-24		40	24			74	
00200-32		50	32			78	



00210

FERRULE FOR SAE100R2AT/EN 853 2SN HOSE

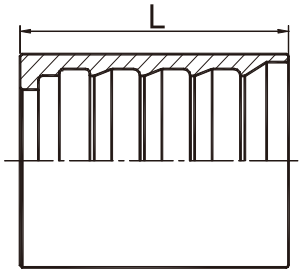
PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
00210-03		5	03			27	
00210-04		6	04			30	
00210-05		8	05			31	
00210-06		10	06			32	
00210-08		12	08			34	
00210-10		16	10			37	
00210-12		20	12			43	
00210-16		25	16			50	
00210-20		32	20			59	
00210-24		40	24			74	
00210-32		50	32			78	



00400

FERRULE FOR 4SP、4SH/12-16、R12/06-16 HOSE

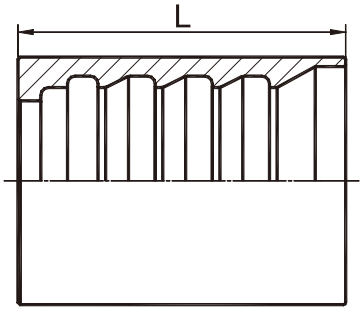
PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
00400-04		6	04			37.5	
00400-06		10	06			39	
00400-08		12	08			41	
00400-10		16	10			43	
00400-12		20	12			51	
00400-16		25	16			61.5	
00400-20		32	20			67.5	
00400-24		40	24			75	
00400-32		50	32			79	



01400

FERRULE FOR R12/20-24 HOSE

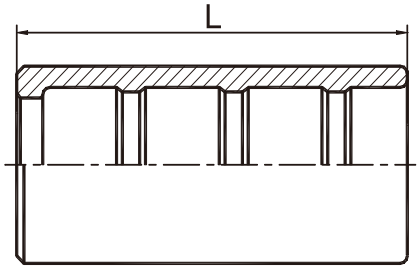
PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
01400-20		32	20			67.5	
01400-24		38	24			75	



00401

FERRULE FOR 4SH 、R12/32 HOSE

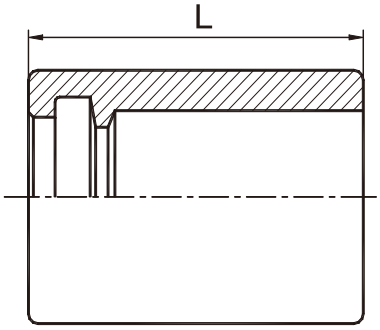
PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
00401-20		32	20			67.5	
00401-24		40	24			75	
00401-32		50	32			79	



00018

FERRULE FOR SAE100R7 HOSE

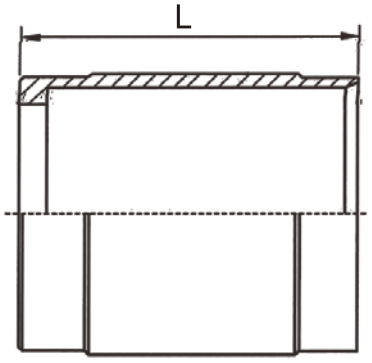
PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
00018-03		5	03			27	
00018-04		6	04			29	
00018-05		8	05			31	
00018-06		10	06			31	
00018-08		12	08			34	
00018-10		16	10			36	
00018-12		20	12			43	



00TF0

FERRULE FOR TEFLON HOSE

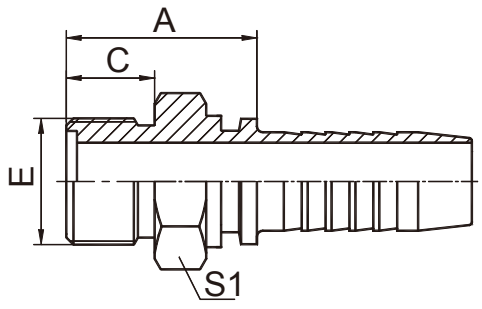
PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
00TF0-03		4	03			27.5	
00TF0-04		6	04			30.7	
00TF0-05		8	05			30.6	
00TF0-06		10	06			32.1	
00TF0-08		12	08			34.3	
00TF0-10		16	10			37	
00TF0-12		20	12			42.8	
00TF0-14		22	14			42.7	
00TF0-16		25	16			50.8	



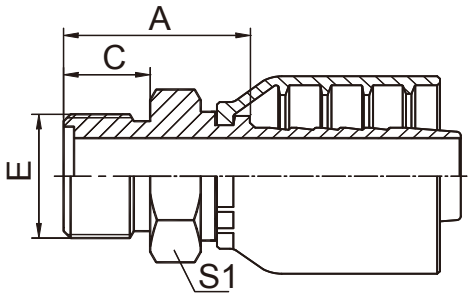
00710

FERRULE FOR TEFLON HOSE

PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00710-06	10	06	28.6
00710-08	12	08	30
00710-12	20	12	38
00710-16	25	16	45.9
00710-20	32	20	54
00710-24	40	24	57
00710-32	50	32	69.8



10311



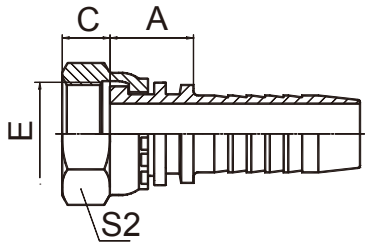
10311-K

O-RING METRIC MALE FLAT SEAL
REF. JB/T 988

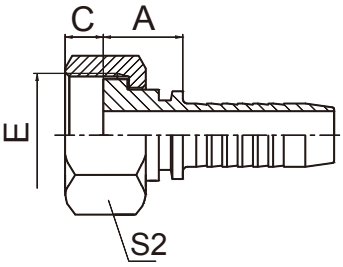
PART NO	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH		A	C	S1
10311-12-04	M12X1.25	6	04		22.5	10	14
10311-14-04	M14X1.5	6	04		23.5	11	14
10311-16-04	M16X1.5	6	04		23.5	11	17
10311-16-05	M16X1.5	8	05		23.5	11	17
10311-16-06	M16X1.5	10	06		23.5	11	17
10311-18-06	M18X1.5	10	06		23.5	11	19
10311-22-05	M22X1.5	8	05		27	12	24
10311-22-06	M22X1.5	10	06		26	12	24
10311-22-08	M22X1.5	12	08		26.5	12	24
10311-27-10	M27X1.5	16	10		31.5	13	30
10311-30-12	M30X1.5	20	12		33.5	14	32
10311-36-12	M36X2	20	12		35.5	16	38
10311-36-14	M36X2	22	14		35.5	16	38
10311-39-16	M39X2	25	16		39	16	41
10311-45-20	M45X2	32	20		44.5	20	46
10311-52-24	M52X2	40	24		47.5	22	55
10311-64-32	M64X2	50	32		52.5	27	65

Note: 1.For usewith braided hoses. 2. if use with spiral hoses, hose fitting series number is 10312-xx-xx.
3. All the part No. above are in carbon steel . If ordering stainless steel adaptor, please suffix“SS”.And suffix“EE”for ordering brass adptor. For example： 10311-12-04-SS means stainless steel adaptor . 10311-12-04-EE means brass adaptor. 4. Suffix “K” is to order Integrated Hose Fitting.

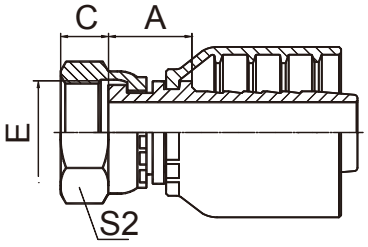
GB METRIC FEMALE FLAT SEAL
REF. GB/T 9065.3



20211



20211-T

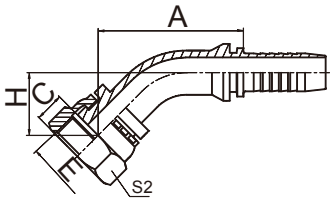


20211-K

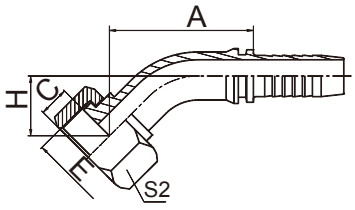
PART NO	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH		A	C	S2
20211-10-02	M10X1	4	02		14	6	14
20211-12-03	M12X1.25	5	03		14	8	17
20211-14-04	M14X1.5	6	04		15.5	8.5	19
20211-14-05	M14X1.5	8	05		15.5	8.5	19
20211-16-04	M16X1.5	6	04		16.5	8	22
20211-16-05	M16X1.5	8	05		16.5	8	22
20211-16-06	M16X1.5	10	06		16.5	8	22
20211-18-05T	M18X1.5	8	05		17.5	8	24
20211-18-06	M18X1.5	10	06		17.5	8	24
20211-20-06T	M20X1.5	10	06		16	10	24
20211-20-08	M20X1.5	12	08		18.5	10	27
20211-22-06T	M22X1.5	10	06		16	10	27
20211-22-08	M22X1.5	12	08		18.5	10	27
20211-22-10	M22X1.5	16	10		19.5	10	27
20211-24-08T	M24X1.5	12	08		16.5	11	30
20211-24-10	M24X1.5	16	10		20.5	10.5	30
20211-27-08T	M27X1.5	12	08		18.5	10	32
20211-27-10T	M27X1.5	16	10		19.5	10	32
20211-30-12	M30X1.5	20	12		21.5	11	36
20211-33-14	M33X2	22	14		21.5	13	41
20211-36-12T	M36X2	20	12		20	13	41
20211-36-14T	M36X2	22	14		20	13	41
20211-39-16T	M39X2	25	16		23.5	13	46
20211-42-20	M42X2	32	20		26	15	50
20211-45-20T	M45X2	32	20		25	15	55
20211-52-24T	M52X2	40	24		25	17	60
20211-60-28T	M60X2	45	28		26	20	70
20211-64-32T	M64X2	50	32		26	23	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20212-xx-xx.3. Suffix “K” is to order Integrated Hose Fitting

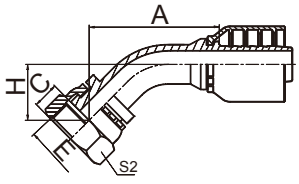
30° METRIC FEMALE FLAT SEAL
REF. GB/T 9065.3T



20231



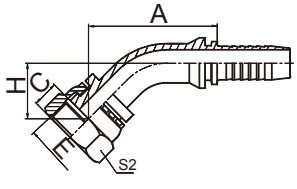
20231-T



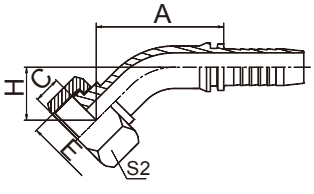
20231-K

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20231-22-08	M22X1.5	12	08	63.3	10	15	27
20231-27-10T	M27X1.5	16	10	73.7	10	15.1	32
20231-30-12	M30X1.5	20	12	84.4	11	18.6	36
20231-36-12T	M36X2	20	12	92.5	13	18.8	41
20231-39-16T	M39X2	25	16	90.2	13	17.8	46
20231-45-20T	M45X2	32	20	102.8	15	20	55
20231-52-24T	M52X2	40	24	116.2	17	21.8	60

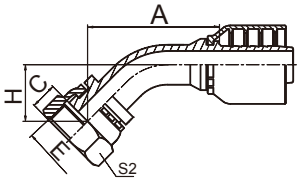
NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20232-xx-xx.3. Suffix "K" is to order Integrated Hose Fitting



20241



20241-T



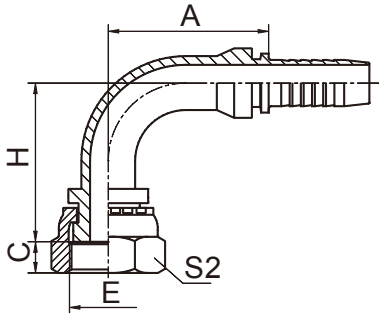
20241-K

45° METRIC FEMALE FLAT SEAL
REF. GB/T 9065.3

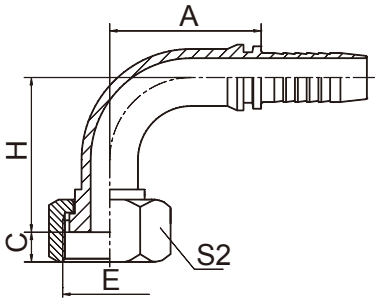
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
20241-14-04	M14X1.5	6	04		40.5	8.5	18.5	19
20241-14-05	M14X1.5	8	05		42.7	8.5	19.3	19
20241-16-05	M16X1.5	8	05		44.4	8.5	20	22
20241-18-06	M18X1.5	10	06		45.7	8	21.4	24
20241-22-08	M22X1.5	12	08		58.9	10	24	27
20241-27-10T	M27X1.5	16	10		68.6	10	24.3	32
20241-30-12	M30X1.5	20	12		78.1	11	30	36
20241-36-12T	M36X2	20	12		75	13	27.5	41
20241-36-14T	M36X2	22	14		77.3	13	27	41
20241-36-16	M36X2	25	16		85.7	13	31.5	41
20241-39-16T	M39X2	25	16		83.9	13	29.7	46
20241-42-20	M42X2	32	20		97.3	15	36.6	50
20241-45-20T	M45X2	32	20		94.5	15	33.8	55
20241-52-20T	M52X2	32	20		94.5	17	33.8	60
20241-52-24T	M52X2	40	24		108.5	17	37.7	60
20241-60-28T	M60X2	45	28		118.7	20	43.6	70
20241-64-32T	M64X2	50	32		127.8	23	45.6	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20242-xx-xx.3. Suffix "K" is to order Integrated Hose Fitting

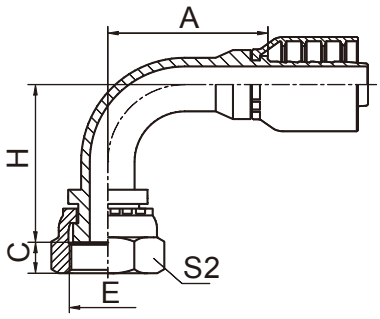
90° METRIC FEMALE FLAT SEAL
REF. GB/T 9065.3



20291



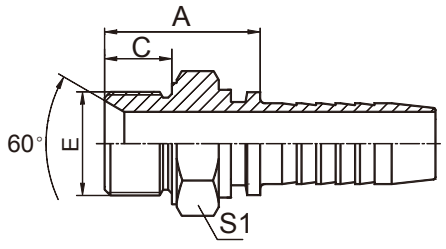
20291-T



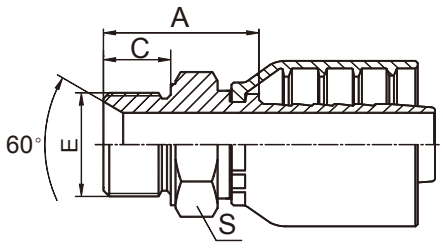
20291-K

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
20291-12-02	M12X1.25	4	02		26.5	8	30.5	17
20291-12-04	M12X1.25	6	04		30	8	33.5	17
20291-14-04	M14X1.5	6	04		30	8.5	34	19
20291-14-05	M14X1.5	8	05		33	8.5	37	19
20291-16-04	M16X1.5	6	04		30	8	35	22
20291-16-05	M16X1.5	8	05		34	8	38	22
20291-16-06	M16X1.5	10	06		35.3	8	40.3	22
20291-18-05T	M18X1.5	8	05		33	8	39	24
20291-18-06	M18X1.5	10	06		35.75	8	41.3	24
20291-22-08	M22X1.5	12	08		41	10	48	27
20291-22-10	M22X1.5	16	10		57.5	10	53	27
20291-24-08T	M24X1.5	12	08		41	11	45.5	30
20291-27-04T	M27X1.5	6	04		30	10	35.5	32
20291-27-08T	M27X1.5	12	08		41	10	46	32
20291-27-10T	M27X1.5	16	10		56	10	51	32
20291-30-12	M30X1.5	20	12		66.2	11	63.5	36
20291-33-14	M33X2	22	14		71.2	13	65	41
20291-36-14T	M36X2	22	14		71.2	13	61	41
20291-36-16	M36X2	25	16		76.7	13	70	41
20291-39-16T	M39X2	25	16		76.7	13	67.5	46
20291-42-20	M42X2	32	20		91.5	15	82.5	50
20291-45-20T	M45X2	32	20		91.5	15	78.5	55
20291-52-20T	M52X2	32	20		91.5	17	78.5	60
20291-52-24T	M52X2	40	24		109.4	17	92	60
20291-60-28T	M60X2	45	28		119.9	20	106.5	70
20291-64-32T	M64X2	50	32		130.95	23	113.3	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20292-xx-xx.3. Suffix “K” is to order Integrated Hose Fitting



10611



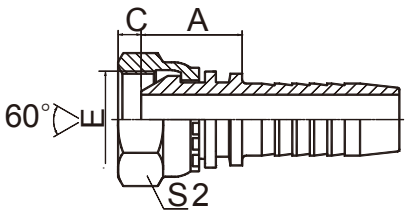
10611-K

ME TRIC MALE DOUBLE USE FOR 60° CONE SEAT OR BONDED SEAL

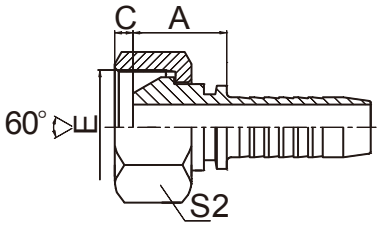
PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH		A	C	S1
10611-14-04	M14X1.5	6	04		23.5	11	19
10611-14-06	M14X1.5	10	06		25	11	19
10611-16-04	M16X1.5	6	04		27.5	12	22
10611-16-05	M16X1.5	8	05		27.5	12	22
10611-18-06	M18X1.5	10	06		29.5	12	24
10611-22-06	M22X1.5	10	06		30.5	14	27
10611-22-08	M22X1.5	12	08		31	14	27
10611-24-10	M24X1.5	16	10		35	14	30
10611-26-10	M26X1.5	16	10		35	16	32
10611-27-10D	M27X1.5	16	10		35	16	32
10611-27-10	M27X2	16	10		37	18	32
10611-30-12D	M30X1.5	20	12		38	18	36
10611-30-12	M30X2	20	12		38	18	36
10611-33-16	M33X2	25	16		43	20	46
10611-42-20	M42X2	32	20		46	20	50
10611-45-20	M45X2	32	20		46	20	55
10611-48-24	M48X2	40	24		46	20	55
10611-52-24	M52X2	40	24		46	20	60

NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 10612-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 10611-14-04-SS means stainless steel adaptor.
10611-14-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting

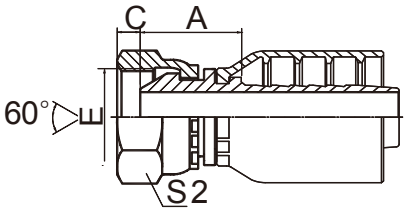
METRIC FEMALE 60° CONE



20611



20611-T

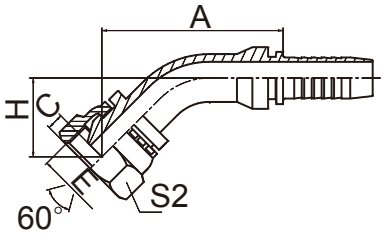


20611-K

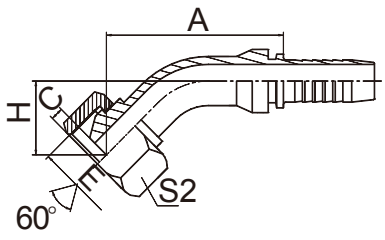
PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH		A	C	S2
20611-14-04	M14X1.5	6	04		18	5.5	19
20611-16-05	M16X1.5	8	05		19	5.5	22
20611-16-06	M16X1.5	10	06		19	5.5	22
20611-18-06	M18X1.5	10	06		20	5.5	24
20611-20-08	M20X1.5	12	08		22	6.5	27
20611-22-08	M22X1.5	12	08		22.5	6	27
20611-24-10	M24X1.5	16	10		24.5	6.5	30
20611-26-10	M26X1.5	16	10		25.5	6	32
20611-27-10DT	M27X1.5	16	10		25.5	6	32
20611-27-10T	M27X2	16	10		25.5	6	32
20611-30-10D	M30X1.5	16	10		26.5	6	36
20611-30-12D	M30X1.5	20	12		26.5	6	36
20611-30-12	M30X2	20	12		26.5	6	36
20611-36-16	M36X2	25	16		30	6.5	41
20611-39-16T	M39X2	25	16		30	6.5	46
20611-45-20T	M45X2	32	20		31	8.5	55
20611-52-24T	M52X2	40	24		32	10	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20612-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 20611-14-04-SS means stainless steel adaptor. 20611-14-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting

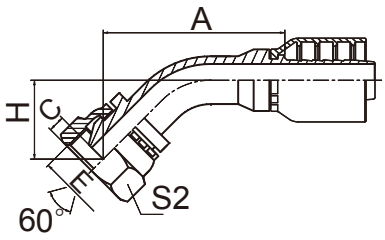
45° METRIC FEMALE 60° CONE



20641



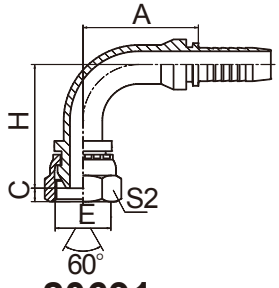
20641-T



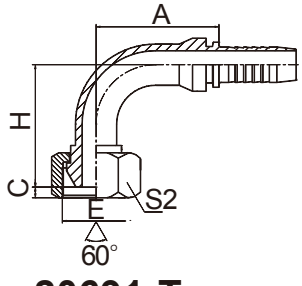
20641-K

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
20641-14-04	M14X1.5	6	04		42.7	5.5	20.6	19
20641-16-05	M16X1.5	8	05		45.1	5.5	21.8	22
20641-18-06	M18X1.5	10	06		47.4	5.5	23.2	24
20641-22-08	M22X1.5	12	08		61.8	6	26.8	27
20641-27-10DT	M27X1.5	16	10		71.4	6	27.1	32
20641-30-12D	M30X1.5	20	12		81.6	6	33.5	36
20641-36-14T	M36X2	22	14		81.9	6.5	31.6	41
20641-39-16T	M39X2	25	16		88.5	6.5	34.3	46
20641-45-20T	M45X2	32	20		99.1	8.5	38.4	55
20641-52-24T	M52X2	40	24		113.4	10	42.7	60

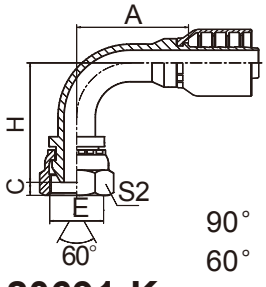
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20642-xx-xx. .3. Suffix “K” is to order Integrated Hose Fitting



20691



20691-T



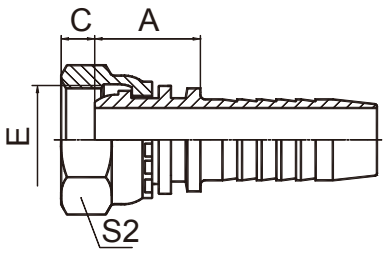
20691-K

90° METRIC FEMALE
60° CONE

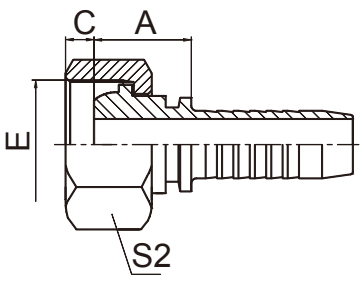
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
20691-14-04	M14X1.5	6	04		30	5.5	37	19
20691-16-05	M16X1.5	8	05		33	5.5	40.5	22
20691-18-06	M18X1.5	10	06		35.3	5.5	43.8	24
20691-22-08	M22X1.5	12	08		41	6	52	27
20691-27-10DT	M27X1.5	16	10		56	6	55	32
20691-30-12D	M30X1.5	20	12		66.2	6	68.5	36
20691-36-16	M36X2	25	16		78	6.5	76.5	41
20691-36-14T	M36X2	22	14		71.2	6.5	67.5	41
20691-39-16T	M39X2	25	16		76.7	6.5	74	46
20691-45-20T	M45X2	32	20		91.5	8.5	85	55
20691-52-24T	M52X2	40	24		109.4	10	99	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20692-xx-xx.3. Suffix “K” is to order Integrated Hose Fitting

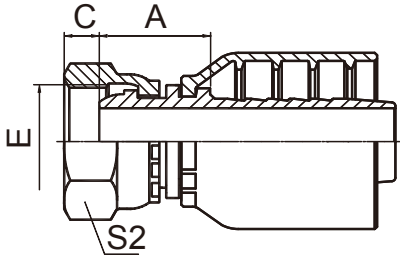
METRIC FEMALE MULTISEAL



20111



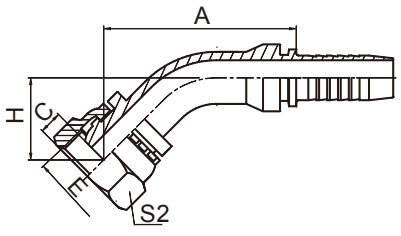
20111-T



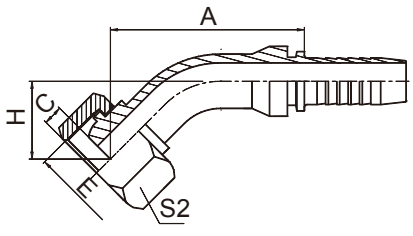
20111-K

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S2	
20111-10-03	M10X1	5	03		18	2.5	14	
20111-10-04	M10X1	6	04		18	2.5	14	
20111-12-04	M12X1.5	6	04		18.5	4	17	
20111-12-05	M12X1.5	8	05		18.5	4	17	
20111-14-04	M14X1.5	6	04		19.5	4.5	19	
20111-14-05	M14X1.5	8	05		19.5	4.5	19	
20111-16-04	M16X1.5	6	04		19.5	4.5	22	
20111-16-05	M16X1.5	8	05		20	4.5	22	
20111-16-06	M16X1.5	10	06		20	4.5	22	
20111-18-05T	M18X1.5	8	05		21.5	4	24	
20111-18-06	M18X1.5	10	06		21.5	4	24	
20111-18-08	M18X1.5	12	08		22	4	24	
20111-20-06T	M20X1.5	10	06		20.5	5.5	24	
20111-20-08	M20X1.5	12	08		23	5.5	27	
20111-22-06T	M22X1.5	10	06		23	5	27	
20111-22-08	M22X1.5	12	08		23.5	5	27	
20111-22-10	M22X1.5	16	10		24.5	5	27	
20111-24-08T	M24X1.5	12	08		22	5.5	30	
20111-24-10	M24X1.5	16	10		26	5	30	
20111-27-08DT	M27X1.5	12	08		23	5.5	32	
20111-27-10DT	M27X1.5	16	10		26	5.5	32	
20111-27-12D	M27X1.5	20	12		26	5.5	32	
20111-27-10T	M27X2	16	10		26	7	32	
20111-30-12D	M30X1.5	20	12		26.5	6	36	
20111-30-12	M30X2	20	12		26.5	7	36	
20111-36-12T	M36X2	20	12		26	7	41	
20111-36-14T	M36X2	22	14		26	7	41	
20111-39-14T	M39X2	22	14		28.5	7	46	
20111-39-16T	M39X2	25	16		29.5	7	46	
20111-42-16T	M42X2	25	16		30	8.5	50	
20111-45-20T	M45X2	32	20		31.5	8.5	55	
20111-52-20T	M52X2	32	20		33	9	60	
20111-52-24T	M52X2	40	24		33	9	60	
20111-64-32T	M64X2	50	32		35	14	75	

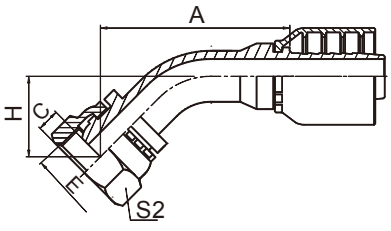
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20112-xx-xx.3. Suffix “K” is to order Integrated Hose Fitting



20141



20141-T



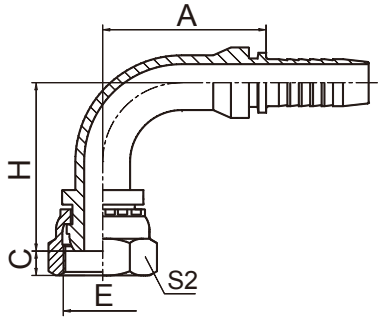
20141-K

45° METRIC FEMALE MULTISEAL

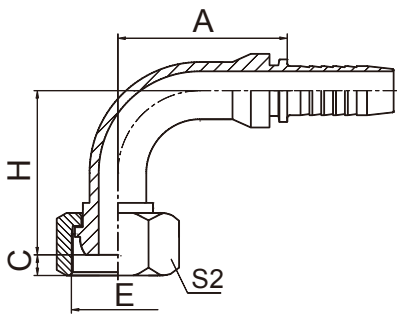
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
20141-10-03	M10X1	5	03		41.1	2.5	20.7	14
20141-10-04	M10X1	6	04		43.2	2.5	21.5	14
20141-12-03	M12X1.5	5	03		40.9	4	21.2	17
20141-12-04	M12X1.5	6	04		43	4	22	17
20141-14-04	M14X1.5	6	04		43.4	4.5	21.3	19
20141-14-05	M14X1.5	8	05		45.5	4.5	22.2	19
20141-16-04	M16X1.5	6	04		43.7	4.5	21.4	22
20141-16-05	M16X1.5	8	05		45.8	4.5	22.5	22
20141-16-06	M16X1.5	10	06		47.4	4.5	24.1	22
20141-18-05T	M18X1.5	8	05		46.8	4	22.6	24
20141-18-06	M18X1.5	10	06		48.5	4	24.2	24
20141-18-08	M18X1.5	12	08		52.2	4	25.7	24
20141-20-06T	M20X1.5	10	06		48.2	5.5	23.9	27
20141-20-08	M20X1.5	12	08		62.1	5.5	27.2	27
20141-22-06T	M22X1.5	10	06		58.4	5	25.7	27
20141-22-08	M22X1.5	12	08		62.1	5	27.2	27
20141-24-08T	M24X1.5	12	08		61.1	5.5	26.1	30
20141-24-10	M24X1.5	16	10		75.4	5	29.6	30
20141-27-10DT	M27X1.5	16	10		74.4	5.5	29.6	32
20141-27-10T	M27X2	16	10		74.4	5.5	29.6	32
20141-30-12D	M30X1.5	20	12		80.9	6	33.5	36
20141-30-12	M30X2	20	12		80.9	6	33.5	36
20141-36-14T	M36X2	22	14		83	7	32.64	41
20141-39-16T	M39X2	25	16		88.2	7	33.95	46
20141-45-20T	M45X2	32	20		99.1	8.5	38.4	55
20141-52-24T	M52X2	40	24		114.1	9	43.4	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20142-xx-xx.3. Suffix “K” is to order Integrated Hose Fitting

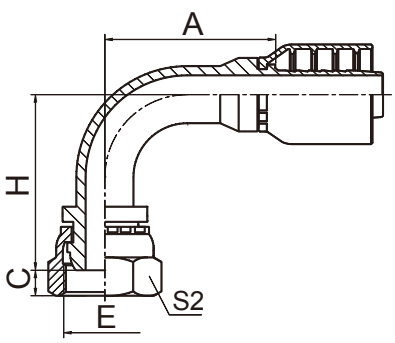
90° METRIC FEMALE MULTISEAL



20191



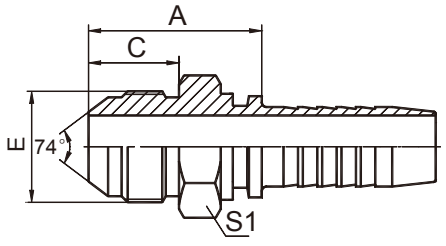
20191-T



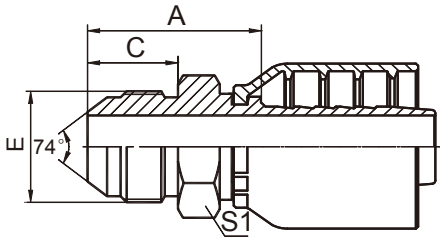
20191-K

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
20191-10-03	M10X1	5	03		27	2.5	35.5	14
20191-12-04	M12X1.5	6	04		30	4	37.5	17
20191-14-04	M14X1.5	6	04		30	4.5	38	19
20191-14-05	M14X1.5	8	05		33	4.5	41	19
20191-16-04	M16X1.5	6	04		30	4.5	38.5	19
20191-16-05	M16X1.5	8	05		33	4.5	41.5	22
20191-16-06	M16X1.5	10	06		35.3	4.5	43.8	22
20191-18-05T	M18X1.5	8	05		33	4	43	24
20191-18-06	M18X1.5	10	06		35.3	4	45.3	24
20191-18-08	M18X1.5	12	08		40.5	4	50.5	24
20191-20-06T	M20X1.5	10	06		35.3	5.5	43.8	24
20191-20-08	M20X1.5	12	08		41	5.5	52	27
20191-22-06T	M22X1.5	10	06		35.8	5	76.8	27
20191-22-08	M22X1.5	12	08		41	5	52.5	27
20191-24-08T	M24X1.5	12	08		41	5.5	51	30
20191-24-10	M24X1.5	16	10		58	5	58.5	30
20191-27-10DT	M27X1.5	16	10		56	5.5	55.5	32
20191-27-10T	M27X2	16	10		56	5.5	55.5	32
20191-30-12D	M30X1.5	20	12		67.5	6	68.5	36
20191-30-12	M30X2	20	12		67.5	6	68.5	36
20191-36-12T	M36X2	20	12		65.5	7	68	41
20191-36-14T	M36X2	22	14		71.2	7	69	41
20191-39-16T	M39X2	25	16		76.7	7	73.5	46
20191-45-20T	M45X2	32	20		91.5	8.5	85	55
20191-52-24T	M52X2	40	24		109.4	9	100	60
20191-64-32T	M64X2	50	32		131.75	14	122.3	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20192-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 20191-10-03-SS means stainless steel adaptor. 20191-10-03-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting



10711



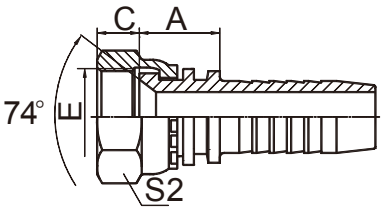
10711-K

GB METRIC MALE 74° CONE

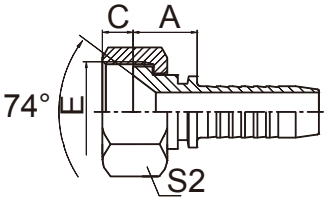
PART NO.	THREAD E	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	S1		
10711-10-02	M10X1	4	02		23	12.5	14		
10711-10-03	M10X1	5	03		23	12.5	14		
10711-12-03	M12X1.5	5	03		26.5	15.7	14		
10711-12-03C	M12X1.25	5	03		24.5	14	14		
10711-14-04	M14X1.5	6	04		30.5	18	17		
10711-14-06	M14X1.5	10	06		30.5	18	17		
10711-16-05	M16X1.5	8	05		31.5	19	17		
10711-16-06	M16X1.5	10	06		31.5	19	17		
10711-18-06	M18X1.5	10	06		31.5	19	19		
10711-22-08	M22X1.5	12	08		35	19.5	24		
10711-24-08	M24X1.5	12	08		37	20	27		
10711-27-10	M27X1.5	16	10		38.5	20.5	30		
10711-30-12	M30X1.5	20	12		42.5	23	32		
10711-30-12E	M30X2	20	12		45.5	26	32		
10711-33-12	M33X2	20	12		45	26	36		
10711-36-14	M36X2	22	14		45	26	38		
10711-39-16	M39X2	25	16		48	27.5	41		
10711-42-20	M42X2	32	20		52	28.5	46		
10711-45-20	M45X2	32	20		52	28.5	46		

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 10712-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example:10711-10-02-SS means stainless steel adaptor.10711-10-02-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting

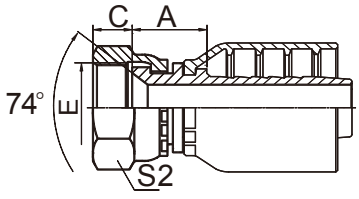
GB METRIC FEMALE 74° CONE SEAL
REF. GB/T 9065. 1



20711



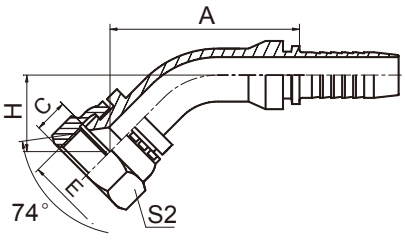
20711-T

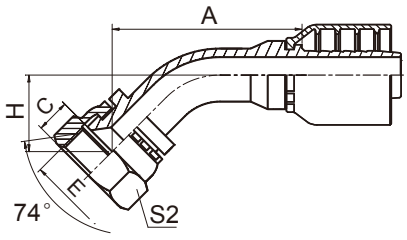


20711-K

PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH		A	C	S2
20711-10-02	M10X1	4	02		14	7.5	14
20711-12-03C	M12X1.25	5	03		14	9	17
20711-12-03	M12X1.5	5	03		14	10	17
20711-12-04	M12X1.5	6	04		14.5	10	17
20711-14-04	M14X1.5	6	04		15.5	8.5	19
20711-14-05	M14X1.5	8	05		15.5	8.5	19
20711-14-06	M14X1.5	10	06		15.5	8.5	19
20711-16-04	M16X1.5	6	04		16.5	8	22
20711-16-05	M16X1.5	8	05		16.5	8	22
20711-16-06	M16X1.5	10	06		16	8	22
20711-18-05T	M18X1.5	8	05		16	8	22
20711-18-06	M18X1.5	10	06		17.5	10	24
20711-20-06T	M20X1.5	10	06		16	10	24
20711-20-08	M20X1.5	12	08		18.5	10	27
20711-22-06T	M22X1.5	10	06		16	10	27
20711-22-08	M22X1.5	12	08		18.5	10	27
20711-22-10	M22X1.5	16	10		19	10	27
20711-24-08T	M24X1.5	12	08		16.5	11	30
20711-27-08T	M27X1.5	12	08		18.5	11	32
20711-27-10T	M27X1.5	16	10		19.5	11	32
20711-27-12	M27X1.5	20	12		21.5	11	32
20711-30-10T	M30X1.5	16	10		18	11	36
20711-30-12	M30X1.5	20	12		21.5	11	36
20711-33-10T	M33X2	16	10		19.5	13	41
20711-33-12T	M33X2	20	12		20	13	41
20711-33-14	M33X2	22	14		21.5	13	41
20711-36-12T	M36X2	20	12		20	14	41
20711-36-14T	M36X2	22	14		20	14	41
20711-36-16	M36X2	25	16		23	14	41
20711-39-16T	M39X2	25	16		23.5	14	46
20711-42-16T	M42X2	25	16		23.5	15	50
20711-42-20	M42X2	32	20		26	15	50
20711-45-20T	M45X2	32	20		25	15	55
20711-52-24T	M52X2	40	24		25	17	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20712-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example:20711-10-02-SS means stainless steel adaptor.20711-10-02-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting



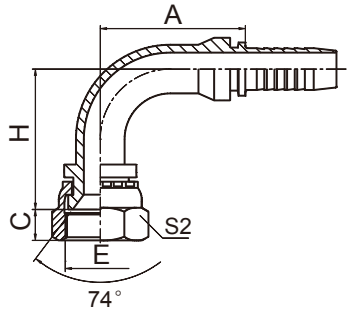


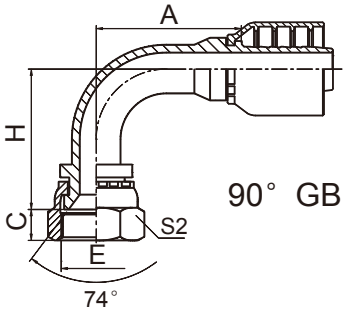
45° GB METRIC FEMALE 74° CONE SEAL
REF. GB/T 9065.1

20741 **20741-K**

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20741-14-04	M14X1.5	6	04	40.5	8.5	18.5	19
20741-16-05	M16X1.5	8	05	44.4	8	20	22
20741-18-06	M18X1.5	10	06	45.7	10	21.4	24
20741-22-08	M22X1.5	12	08	58.9	10	24	27
20741-27-10	M27X1.5	16	10	70.7	11	26.4	32
20741-30-12	M30X1.5	20	12	78.1	11	30	36
20741-33-12	M33X2	20	12	77.4	13	30	41
20741-33-16	M33X2	25	16	85	13	30.8	41
20741-36-14	M36X2	22	14	79.8	14	29.6	41
20741-36-16	M36X2	25	16	85.7	14	31.5	41
20741-39-16	M39X2	25	16	86.1	14	31.8	46
20741-45-20W	M45X2	32	20	97	15	36.2	55
20741-52-24W	M52X2	40	24	115.3	17	40.9	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20742-xx-xx3. Suffix “K” is to order Integrated Hose Fitting





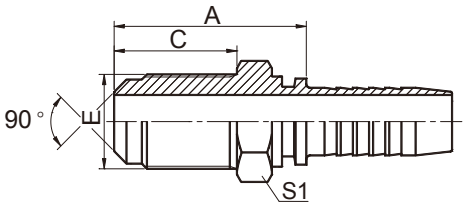
90° GB METRIC FEMALE 74° CONE SEAL
REF. GB/T 9065.1

20791 **20791-K**

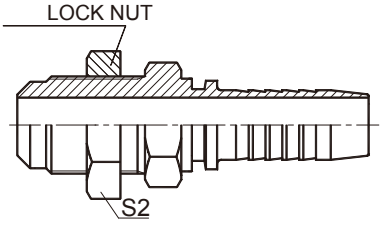
PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20791-12-04C	M12X1.25	6	04	30	9	33.5	17
20791-12-04	M12X1.5	6	04	30	10	33.5	17
20791-14-04	M14X1.5	6	04	30	8.5	34	19
20791-16-04	M16X1.5	6	04	30	8	35	22
20791-16-05	M16X1.5	8	05	34	8	38	22
20791-18-06	M18X1.5	10	06	35.3	10	41.3	24

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20791-22-08	M22X1.5	12	08	41	10	48	27
20791-22-10	M22X1.5	16	10	56	10	52.5	27
20791-27-10	M27X1.5	16	10	56	11	54	32
20791-30-12	M30X1.5	20	12	66.2	11	63.5	36
20791-33-12	M33X2	20	12	65.5	13	63.5	41
20791-33-16	M33X2	25	16	76.7	13	69	41
20791-36-12	M36X2	20	12	65.5	14	63.5	41
20791-36-14	M36X2	22	14	71.2	14	64.5	41
20791-39-16	M39X2	25	16	76.7	14	70.5	46
20791-45-20W	M45X2	32	20	91.5	15	83	55
20791-52-20W	M52X2	32	20	93	17	84.5	60
20791-52-24W	M52X2	40	24	110.7	17	96.5	60

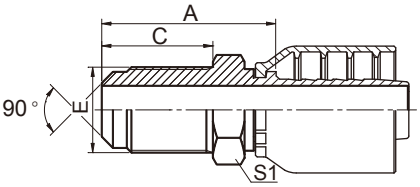
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20792-xx-xx.3. Suffix “K” is to order Integrated Hose Fitting



10811L



10811L-LN



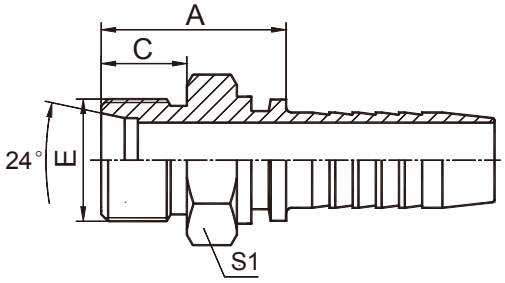
10811L-K

METRIC MALE 90° CONE

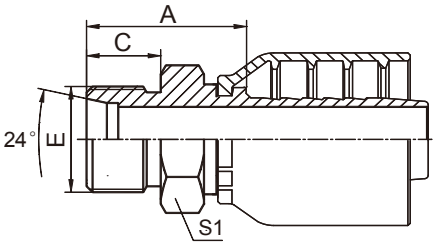
PART NO.	THREAD E	DN	DASH		A	C	S1	S2
10811L-12-04	M12X1.5	6	04		46	34	17	17
10811L-12-04A	M12X1	6	04		44.5	32.5	17	17
10811L-14-04	M14X1.5	6	04		46	34	17	19
10811L-14-06	M14X1.5	10	06		46.5	34	17	19
10811L-16-04	M16X1.5	6	04		46.5	34	19	22
10811L-16-06	M16X1.5	10	06		46.5	34	22	22
10811L-20-06	M20X1.5	10	06		57	40	27	27
10811L-20-08	M20X1.5	12	08		57.5	40	27	27
10811L-22-08	M22X1.5	12	08		62.5	45	27	27

Note: if you are interested to order the fitting with lock nut,please insert suffix "LN" after our part no. for example 10811L-12-04LN. Suffix “K” is to order Integrated Hose Fitting

METRIC MALE 24° CONE SEAL L.T.DIN 3861
ISO 8434-1——DIN 3861



10411

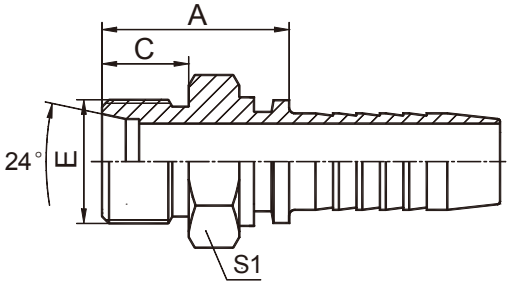


10411-K

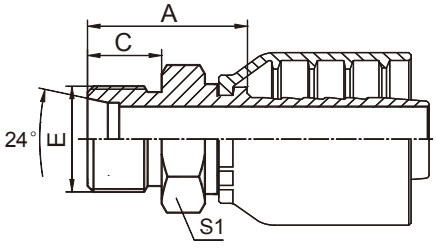
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS				
		DN	DASH		A	C	S1		
10411-12-04	M12X1.5	6	04	6	20.5	10	12		
10411-14-04	M14X1.5	6	04	8	20.5	10	14		
10411-14-05	M14X1.5	8	05	8	21.5	10	14		
10411-16-04	M16X1.5	6	04	10	22.5	11	17		
10411-16-05	M16X1.5	8	05	10	22.5	11	17		
10411-16-06	M16X1.5	10	06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

NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 10412-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 10411-12-04-SS means stainless steel adaptor.
10411-12-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting

METRIC MALE 24° CONE SEAL H.T.DIN3861
ISO 8434-1——DIN 3861



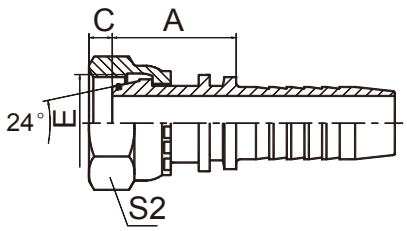
10511



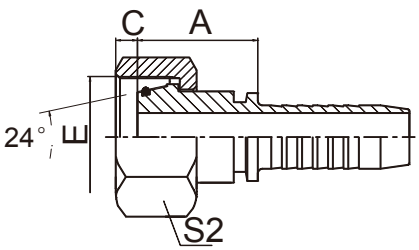
10511-K

PART N$_O$.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS				
		DN	DASH		A	C	S1		
10511-14-04	M14X1.5	6	04	6	24.5	12	14		
10511-16-04	M16X1.5	6	04	8	26.5	12	17		
10511-18-04	M18X1.5	6	04	10	26.5	12	19		
10511-20-05	M20X1.5	8	05	12	27	12	22		
10511-20-06	M20X1.5	10	06	12	26.5	12	22		
10511-22-05	M22X1.5	8	05	14	30.5	14	24		
10511-22-06	M22X1.5	10	06	14	30.5	14	24		
10511-22-08	M22X1.5	12	08	14	31	14	24		
10511-24-08	M24X1.5	12	08	16	31.5	14	27		
10511-30-10	M30X2	16	10	20	34.5	16	32		
10511-30-12	M30X2	20	12	20	36	16	32		
10511-36-12	M36X2	20	12	25	40.5	18	41		
10511-36-16	M36X2	25	16	25	41.5	18	38		
10511-42-16	M42X2	25	16	30	44	20	46		
10511-42-20	M42X2	32	20	30	45	20	46		
10511-52-20	M52X2	32	20	38	50	22	55		

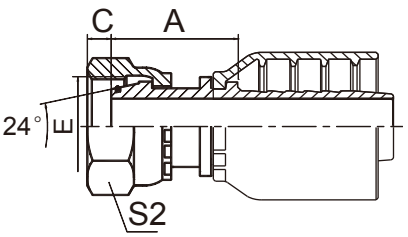
NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 10512-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 10511-12-04-SS means stainless steel adaptor.
10511-12-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting



20411



20411-T

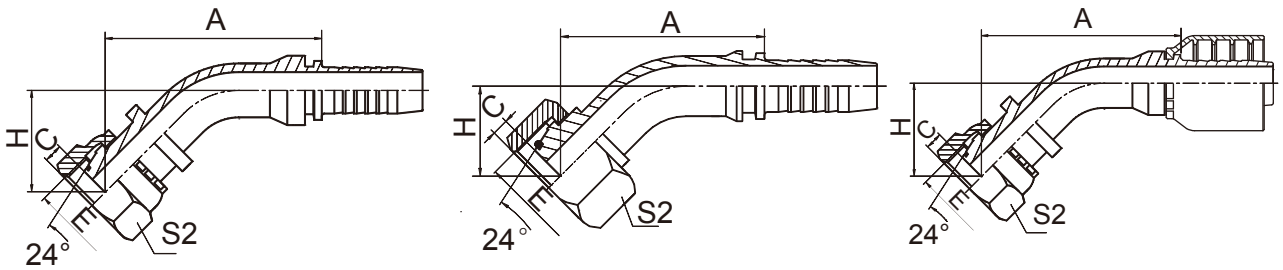


20411-K

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

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS		
		DN	DASH			A	C	S2
20411-12-04	M12X1.5	6	04	6	O04.5X1.5	26	1	17
20411-14-04	M14X1.5	6	04	8	O06.5X1.5	27.5	2	19
20411-14-06	M14X1.5	10	06	8	O06.5X1.5	27.5	2	19
20411-16-04	M16X1.5	6	04	10	O08.0X1.5	28	2	22
20411-16-05	M16X1.5	8	05	10	O08.0X1.5	28	2	22
20411-16-06	M16X1.5	10	06	10	O08.0X1.5	28	2	22
20411-18-05T	M18X1.5	8	05	12	O10.0X1.5	24.5	1.5	22
20411-18-06	M18X1.5	10	06	12	O10.0X1.5	29	2.5	24
20411-18-08	M18X1.5	12	08	12	O10.0X1.5	29.5	2.5	24
20411-22-05T	M22X1.5	8	05	15	O12.0X2.0	26.5	3	27
20411-22-06T	M22X1.5	10	06	15	O12.0X2.0	26.5	3	27
20411-22-08	M22X1.5	12	08	15	O12.0X2.0	32	2.5	27
20411-26-10	M26X1.5	16	10	18	O15.0X2.0	34.5	2.5	32
20411-26-12	M26X1.5	20	12	18	O15.0X2.0	35	2.5	32
20411-27-10T	M27X1.5	16	10	18	O15.0X2.0	35	2.1	32
20411-27-12	M27X1.5	20	12	18	O15.0X2.0	35	2.5	32
20411-30-10T	M30X2	16	10	22	O20.0X2.0	31	3.8	36
20411-30-12	M30X2	20	12	22	O20.0X2.0	39	4	36
20411-36-12T	M36X2	20	12	28	O26.0X2.0	33	4.5	41
20411-36-14T	M36X2	22	14	28	O26.0X2.0	33	4.5	41
20411-45-16T	M45X2	25	16	35	O32.0X2.5	37	4	55
20411-45-20T	M45X2	32	20	35	O32.0X2.5	37.5	4	55
20411-52-20T	M52X2	32	20	42	O38.0X2.5	38.5	4	60
20411-52-24T	M52X2	40	24	42	O38.0X2.5	38.5	4	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20412-xx-xx3. Suffix “K” is to order Integrated Hose Fitting



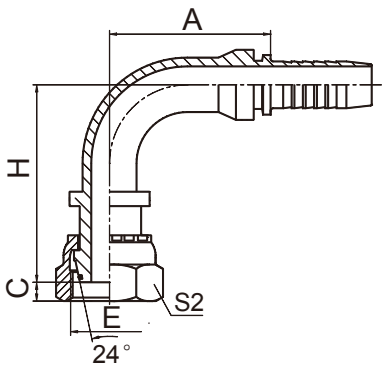
20441 **20441-T** **20441-K**

45° METRIC FEMALE 24° CONE O-RING L.T.

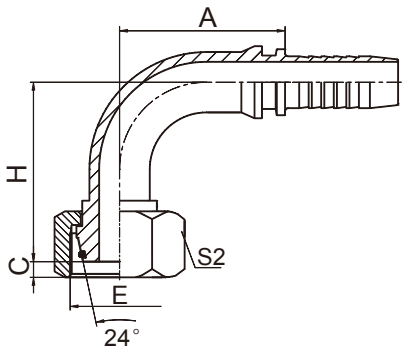
ISO 12151-2--DIN 3865
REF.GB/T 9065.1

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS			
		DN	DASH			A	C	H	S2
20441-14-04	M14X1.5	6	04	8	O06.5X1.5	49	2	27	19
20441-16-05	M16X1.5	8	05	10	O08.0X1.5	51.5	2	28.2	22
20441-16-06	M16X1.5	10	06	10	O08.0X1.5	53.4	2	29.2	22
20441-18-05T	M18X1.5	8	05	12	O10.0X1.5	46.6	1.5	23.2	22
20441-18-06	M18X1.5	10	06	12	O10.0X1.5	54.2	2.5	29.9	24
20441-22-05T	M22X1.5	8	05	15	O12.0X2.0	46.5	3	23.2	27
20441-22-06T	M22X1.5	10	06	15	O12.0X2.0	48.5	3	24.2	27
20441-22-08	M22X1.5	12	08	15	O12.0X2.0	68.1	2.5	33.2	27
20441-26-08T	M26X1.5	12	08	18	O15.0X2.0	60.6	2.1	25.7	32
20441-26-10	M26X1.5	16	10	18	O15.0X2.0	80.7	2.5	35.9	32
20441-26-12	M26X1.5	20	12	18	O15.0X2.0	86.9	2.5	39.5	32
20441-27-10T	M27X1.5	16	10	18	O15.0X2.0	72	2.1	27.7	32
20441-27-12	M27X1.5	20	12	18	O15.0X2.0	86.9	2.5	39.5	32
20441-30-10T	M30X2	16	10	22	O20.0X2.0	73.5	3.8	28.6	36
20441-30-12	M30X2	20	12	22	O20.0X2.0	89.1	4	41.7	36
20441-36-12T	M36X2	20	12	28	O26.0X2.0	79.5	4.5	32.1	41
20441-36-14T	M36X2	22	14	28	O26.0X2.0	81.9	4.5	31.6	41
20441-45-20T	M45X2	32	20	35	O32.0X2.5	99.8	4	39.1	55
20441-52-20T	M52X2	32	20	42	O38.0X2.5	102	4	39.8	60
20441-52-24T	M52X2	40	24	42	O38.0X2.5	114.5	4	43.7	60

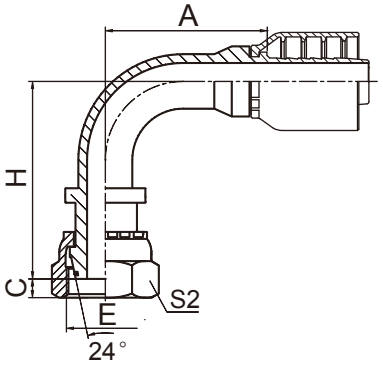
NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 20422-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 20441-14-04-SS means stainless steel adaptor.
20441-14-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting



20491



20491-T

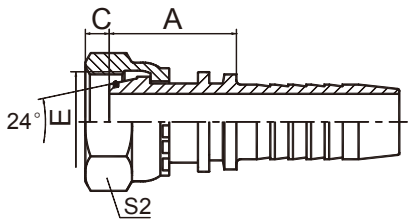


20491-K

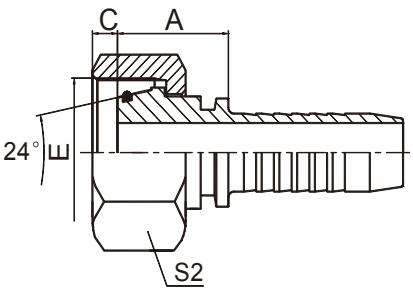
90°公制内螺纹 24°锥带 O 形圈轻系列
90°METRIC FEMALE 24°CONE O-RING L.T.
ISO 12151-2--DIN 3865

PART NO.	THREAD E	HOSE BORE				DIMENSIONS			
		DN	DASH	TUBE O.D.	O RING	A	C	H	S2
20491-12-03	M12X1.5	5	03	6	O04.5X1.5	26.5	1	35	17
20491-12-04	M12X1.5	6	04	6	O04.5X1.5	30	1	44.5	17
20491-14-04	M14X1.5	6	04	8	O06.5X1.5	30	2	38	19
20491-16-04	M16X1.5	6	04	10	O08.0X1.5	30	2	39	22
20491-16-05	M16X1.5	8	05	10	O08.0X1.5	33	2	42	22
20491-16-06	M16X1.5	10	06	10	O08.0X1.5	35.3	2	51.8	22
20491-18-05T	M18X1.5	8	05	12	O10.0X1.5	33	1.5	42.5	22
20491-18-06	M18X1.5	10	06	12	O10.0X1.5	35.3	2.5	44.3	24
20491-22-06T	M22X1.5	10	06	15	O12.0X2.0	35.3	3	44.8	27
20491-22-08	M22X1.5	12	08	15	O12.0X2.0	41	2.5	52	27
20491-26-08T	M26X1.5	12	08	18	O15.0X2.0	41	2.1	51	32
20491-26-10	M26X1.5	16	10	18	O15.0X2.0	56	2.5	58.5	32
20491-26-12	M26X1.5	20	12	18	O15.0X2.0	64.9	2.5	77	32
20491-27-10T	M27X1.5	16	10	18	O15.0X2.0	56	2.1	54.9	32
20491-27-12	M27X1.5	20	12	18	O15.0X2.0	64.9	2.5	77	32
20491-30-10T	M30X2	16	10	22	O20.0X2.0	56	3.8	57.2	36
20491-30-12	M30X2	20	12	22	O20.0X2.0	65.5	4	63	36
20491-36-12T	M36X2	20	12	28	O26.0X2.0	65.5	4.5	66.5	41
20491-36-14T	M36X2	22	14	28	O26.0X2.0	71.2	4.5	67.5	41
20491-45-16T	M45X2	25	16	35	O32.0X2.5	76.7	4	75	55
20491-45-20T	M45X2	32	20	35	O32.0X2.5	91.5	4	86	55
20491-52-20T	M52X2	32	20	42	O38.0X2.5	93	4	87	60
20491-52-24T	M52X2	40	24	42	O38.0X2.5	109.4	4	100.5	60

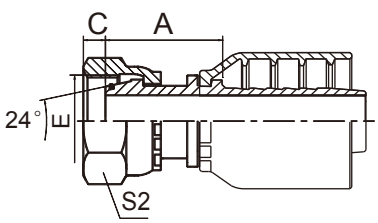
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20492-xx-xx.3. Suffix “K” is to order Integrated Hose Fitting



20511



20511-T

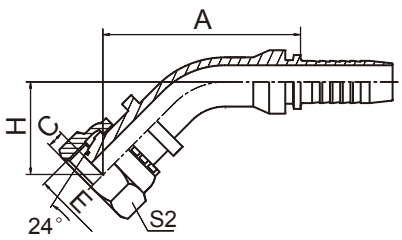


20511-K

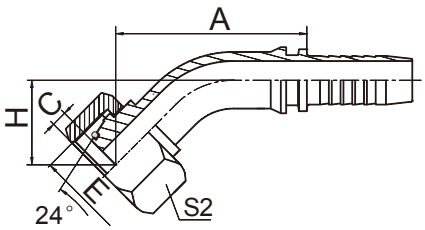
90° METRIC FEMALE 24° CONE O-RING
H.T.ISO 12151-2--DIN 3865

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS		
		DN	DASH			A	C	S2
20511-14-04	M14X1.5	6	04	6	O04.5X1.5	29	1.5	19
20511-16-04	M16X1.5	6	04	8	O06.5X1.5	29	1.5	22
20511-16-05	M16X1.5	8	05	8	O06.5X1.5	29	1.5	22
20511-18-04T	M18X1.5	6	04	10	O08.0X1.5	25.5	1.5	22
20511-18-06	M18X1.5	10	06	10	O08.0X1.5	29	2	24
20511-20-06T	M20X1.5	10	06	12	O10.0X1.5	26.5	2.5	24
20511-20-08	M20X1.5	12	08	12	O10.0X1.5	31.5	2.5	27
20511-22-06T	M22X1.5	10	06	14	O11.0X2.0	26.5	3	27
20511-22-08	M22X1.5	12	08	14	O11.0X2.0	31.5	2.5	27
20511-24-06T	M24X1.5	10	06	16	O13.0X2.0	27	3	30
20511-24-08T	M24X1.5	12	08	16	O13.0X2.0	27.5	3	30
20511-30-10T	M30X2	16	10	20	O16.3X2.4	33	2.5	36
20511-30-12	M30X2	20	12	20	O16.3X2.4	39	3	36
20511-36-12T	M36X2	20	12	25	O20.3X2.4	35	3.2	41
20511-36-14T	M36X2	22	14	25	O20.3X2.4	34	3.2	41
20511-42-12T	M42X2	20	12	30	O25.3X2.4	37.5	3.9	50
20511-42-16T	M42X2	25	16	30	O25.3X2.4	38.5	3.9	50
20511-52-20T	M52X2	32	20	38	O33.3X2.4	41.5	4.5	60
20511-52-24T	M52X2	40	24	38	O33.3X2.4	41.5	4.5	60

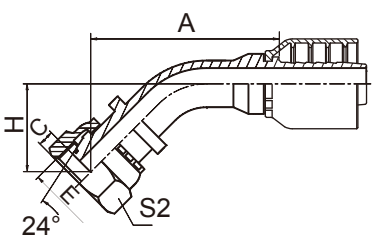
NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 20512-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 20511-14-04-SS means stainless steel adaptor.
20511-14-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting



20541



20541-T

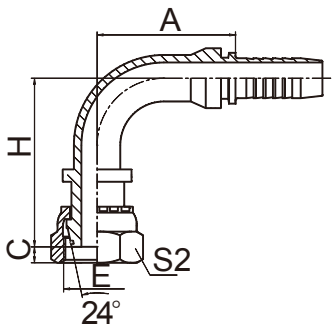


20541-K

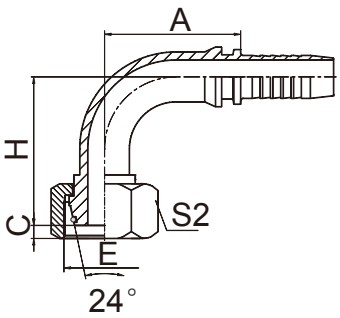
45° METRIC FEMALE 24° CONE O-RING H.T.
ISO 12151-2--DIN 3865

PART NO.	THREAD E	HOSE BORE				DIMENSIONS			
		DN	DASH	TUBE O.D.	O RING	A	C	H	S2
20541-14-04	M14X1.5	6	04	6	O04.5X1.5	43.4	1.5	21.3	19
20541-16-04	M16X1.5	6	04	8	O06.5X1.5	44.4	1.5	22.3	22
20541-16-05	M16X1.5	8	05	8	O06.5X1.5	46.6	1.5	23.2	22
20541-18-04T	M18X1.5	6	04	10	O08.0X1.5	43.7	1.5	21.6	22
20541-18-06	M18X1.5	10	06	10	O08.0X1.5	48.1	2	23.9	24
20541-20-06T	M20X1.5	10	06	12	O10.0X1.5	47.8	2.5	23.5	24
20541-20-08	M20X1.5	12	08	12	O10.0X1.5	68.1	2.5	33.2	27
20541-22-06T	M22X1.5	10	06	14	O11.0X2.0	48.1	3	23.9	27
20541-22-08	M22X1.5	12	08	14	O11.0X2.0	68.1	2.5	33.2	27
20541-24-08T	M24X1.5	12	08	16	O13.0X2.0	62.5	3	27.5	30
20541-30-10T	M30X2	16	10	20	O16.3X2.4	73.5	2.5	29.2	36
20541-30-12	M30X2	20	12	20	O16.3X2.4	77.2	3	30.3	36
20541-36-12T	M36X2	20	12	25	O20.3X2.4	81.1	3.2	33	41
20541-36-14T	M36X2	22	14	25	O20.3X2.4	82.8	3.2	32.5	41
20541-42-16T	M42X2	25	16	30	O25.3X2.4	90.6	3.9	35.1	50
20541-52-20T	M52X2	32	20	38	O33.3X2.4	101.7	4.5	39.4	60
20541-52-24T	M52X2	40	24	38	O33.3X2.4	114.1	4.5	43.4	60

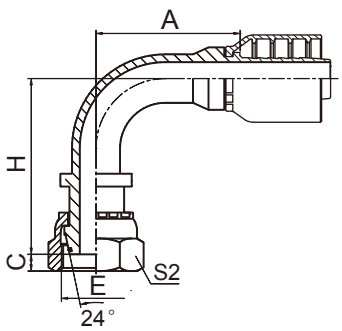
NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 20542-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 20541-14-04-SS means stainless steel adaptor.
20541-14-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting



20591



20591-T



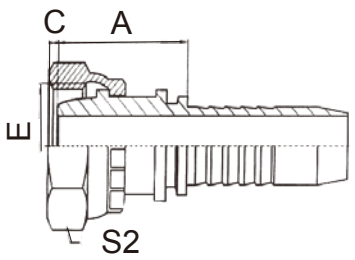
20591-K

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

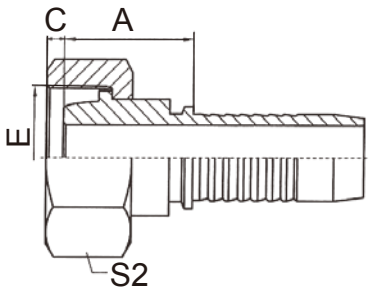
PART NO.	THREAD E	HOSE BORE				DIMENSIONS			
		DN	DASH	TUBE O.D.	O RING	A	C	H	S2
20591-14-04	M16X1.5	6	04	6	O04.5X1.5	30	1.5	39.5	19
20591-16-04	M16X1.5	6	04	8	O06.5X1.5	30	1.5	39.5	22
20591-16-05	M16X1.5	8	05	8	O06.5X1.5	33	1.5	42.5	22
20591-18-05T	M18X1.5	8	05	10	O08.0X1.5	33	1.5	41.5	22
20591-18-06	M18X1.5	10	06	10	O08.0X1.5	35.3	2	45.8	24
20591-20-06T	M20X1.5	10	06	12	O10.0X1.5	35.3	2.5	44.3	24
20591-20-08	M20X1.5	12	08	12	O10.0X1.5	41	2.5	61	27
20591-22-06T	M22X1.5	10	06	14	O11.0X2.0	35.3	3	44.8	27
20591-22-08	M22X1.5	12	08	14	O11.0X2.0	41	2.5	53	27
20591-24-08T	M24X1.5	12	08	16	O13.0X2.0	41	3	50.5	30
20591-24-10	M24X1.5	16	10	16	O13.0X2.0	56.5	2.5	56.5	30
20591-30-10T	M30X2	16	10	20	O16.3X2.4	56	2.5	58	36
20591-30-12	M30X2	20	12	20	O16.3X2.4	64.9	3	64	36
20591-36-12T	M36X2	20	12	25	O20.3X2.4	66.2	3.2	67.8	46
20591-36-14T	M36X2	22	14	25	O20.3X2.4	71.2	3.2	68.8	46
20591-42-16T	M42X2	25	16	30	O25.3X2.4	78	3.9	75.1	50
20591-52-20T	M52X2	32	20	38	O33.3X2.4	93	4.5	86.5	60
20591-52-24T	M52X2	40	24	38	O33.3X2.4	109.4	4.5	100	60

NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 20592-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 20591-14-04-SS means stainless steel adaptor.
20591-14-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting

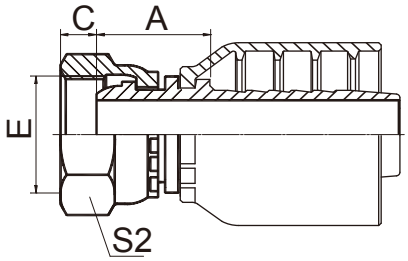
METRIC FEMALE 24° MULTISEAL L.T.



20411C



20411C-T

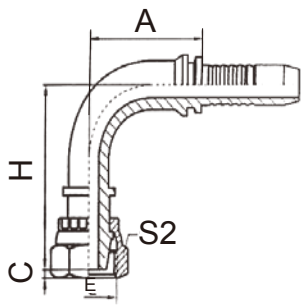


20411C-K

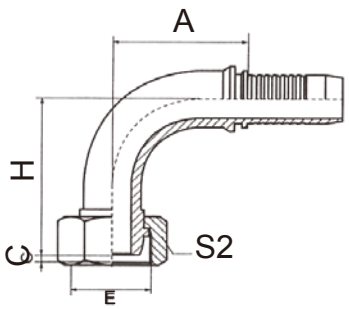
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		A	C	S2
20411C-12-04	M12X1.5	6	04	6	19.5	3.5	17
20411C-14-04	M14X1.5	6	04	8	20.5	3.5	19
20411C-16-04	M16X1.5	6	04	10	21	3.5	22
20411C-16-05	M16X1.5	8	05	10	21	3.5	22
20411C-16-06	M16X1.5	10	06	10	21	3.5	22
20411C-18-06	M18X1.5	10	06	12	22.5	3	24
20411C-22-06T	M22X1.5	10	06	15	23.5	4.5	27
20411C-22-08	M22X1.5	12	08	15	24	4.5	27
20411C-26-10T	M26X1.5	16	10	18	27	4	32
20411C-30-10T	M30X2	16	10	22	26.5	7	36
20411C-30-12	M30X2	20	12	22	27	7	36
20411C-30-14	M30X2	22	14	22	27	7	36
20411C-36-16	M36X2	25	16	28	29	6.5	41
20411C-45-20T	M45X2	32	20	35	33	7	55
20411C-52-24T	M52X2	40	24	42	34	8	60

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example:20411C-12-04-SS means stainless steel adaptor.20411C-12-04-EE means brass adaptor. Suffix “K” is to order Integrated Hose Fitting

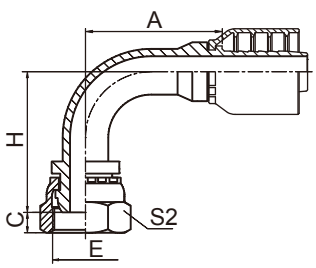
90° METRIC FEMALE 24° MULTISEAL L.T.



20491C



20491C-T

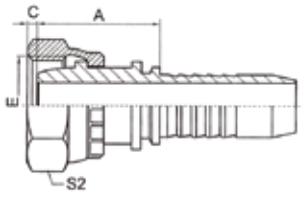


20491C-K

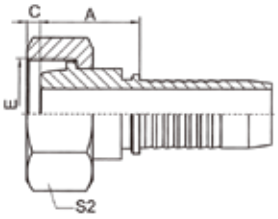
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS			
		DN	DASH		A	C	H	S2
20491C-14-04	M14X1.5	6	04	8	30	3.5	39.5	19
20491C-16-04	M16X1.5	6	04	10	30	3.5	40	22
20491C-16-05	M16X1.5	8	05	10	33	3.5	43	22
20491C-16-06	M16X1.5	10	06	10	35.25	3.5	45.2	22
20491C-18-06	M18X1.5	10	06	12	35.25	3	47.25	24
20491C-22-08	M22X1.5	12	08	15	41	4.5	53	27
20491C-26-10	M26X1.5	16	10	18	56.5	4	60	32
20491C-30-12	M30X2	20	12	22	65.5	7	68.5	36
20491C-36-12T	M36X2	20	12	28	65.5	6.5	67.5	41

Note: 1.For use with braided hoses. 2. If use with spiral hoses,hose fitting series number is 20492C-XX-XX.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example:20491C-14-04-SS means stainless steel adaptor.20491C-14-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting

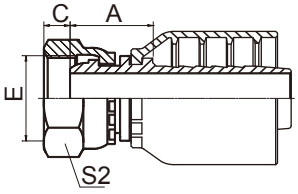
METRIC FEMALE 24° MULTISEAL H.T.



20511C



20511C-T

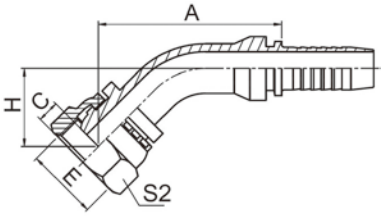


20511C-K

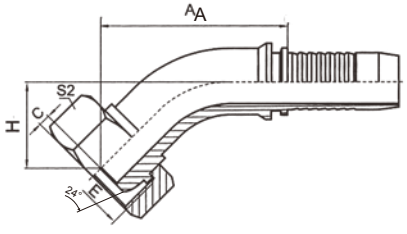
PA13T NO.	THREADE	HOSE BORE		TUBEO. D.	DIMENSFONS		
		DN	DASH		A	C	S2
20511C-18-04T	M18X1.5	6	04	10	21	3	22
20511C-20-05T	M20X1.5	8	05	12	21.5	4.5	24
20511C-20-06T	M20X1.5	10	06	12	21.5	4.5	24
20511C-22-06T	M22X1.5	10	06	14	21.5	4.5	27
20511C-24-08T	M24X1.5	12	08	16	23	5	30
20511C-30-10T	M30X2	16	10	20	26.5	7	36
20511C-36-12T	M36X2	20	12	25	27	6.5	41
20511C-42-16T	M42X2	25	16	30	29.5	9	50
20511C-52-20T	M52X2	32	20	38	34	8	60

NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20512C-XX-XX.3. Suffix “K” is to order Integrated Hose Fitting

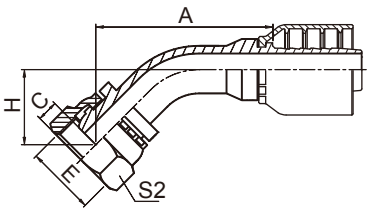
45° METRIC FEMALE 24° MULTISEAL L.



20541C



20541C-T

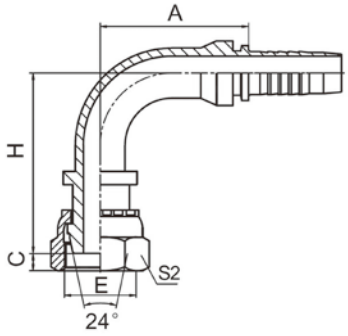


20541C-K

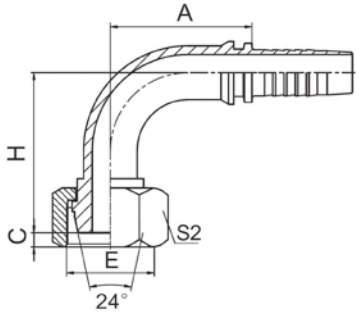
PART NO.	THREAD E	HOSE BORE		TUBEO. D.	DIMENSIONS			
		DN	DASH		A	C	H	S2
20541C-16-04	M16X1.5	6	04	8	44.8	3	22.7	19
20541C-18-04T	M18X1.5	6	04	1 0	43.7	3	21.6	22
20541C-20-06T	M20X1.5	1 0	06	1 2	48.9	4.5	24.6	24
20541C-24-08T	M24X1.5	1 2	08	1 6	61.4	2.5	26.5	30

NOTE: 1.For use with bratded hoses. 2.If use with spiral hoses, hose fitting series number is 20542C-XX-XX.3. Suffix “K” is to order Integrated Hose Fitting

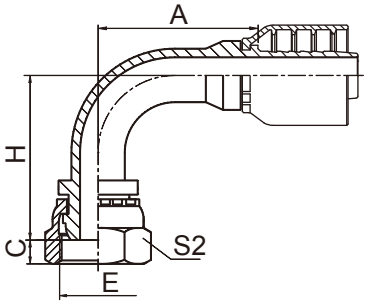
90° METRIC FEMALE 24°
MULTISEAL H.T.



20591C



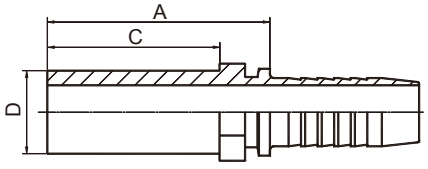
20591C-T



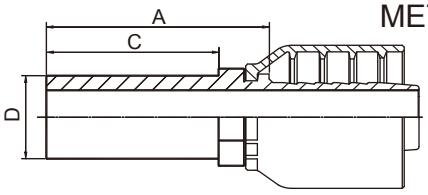
20591C-K

PART NO.	THREADE	HOSE BORE		TUBEO. D.	DIMENSIONS			
		DN	DASH		A	C	H	S2
20591C-16-04	M16X1.5	6	04	8	30	3	40	22
20591C-18-04T	M18X1.5	6	04	10	30	3	38.5	22
20591C-20-05T	M20X1.5	8	05	12	33	4.5	42	24
20591C-20-06T	M20X1.5	10	06	12	35.5	4.5	45.7	24
20591C-22-06T	M22X1.5	10	06	14	35.3	4.5	44.7	27
20591C-24-08T	M24X1.5	12	08	16	41	5	52	30
20591C-30-10T	M30X2	16	10	20	56.5	7	56.5	36
20591C-36-12T	M36X2	20	12	25	65.5	6.5	66.5	41
20591C-42-16T	M42X2	25	16	30	78	9	73.5	50
20591C-52-20T	M52X2	32	20	38	93	8	87.5	60

NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 20592C-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 20591C-16-04-SS means stainless steel adaptor.
20591C-16-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting



50011

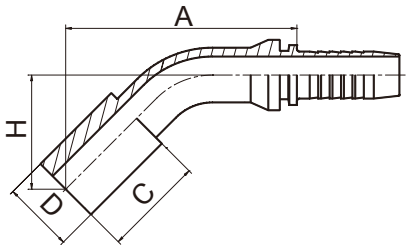


50011-K

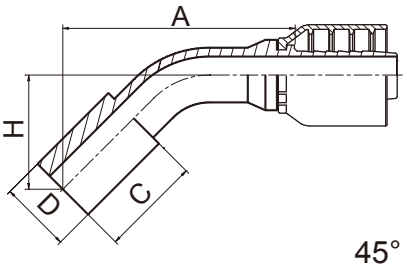
METRIC STANDPIPE STRAIGHT
DIN 2353

PART NO.	TUBE O.D.	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	
50011-06-03	6	5	03	28.5	22	
50011-06-04	6	6	04	29	22	
50011-10-05	10	8	05	31	23	
50011-10-06	10	10	06	32	23	
50011-12-06	12	10	06	33.5	23	
50011-12-08	12	12	08	33	23	
50011-15-06	15	10	06	35.5	25	
50011-15-08	15	12	08	35.5	25	
50011-18-08	18	12	08	36.5	26	
50011-18-10	18	16	10	41	26	
50011-22-10	22	16	10	44	28	
50011-22-12	22	20	12	44	28	
50011-22-16	22	25	16	46	28	
50011-28-16	28	25	16	47	30	
50011-35-20	35	32	20	56	36	
50011-42-24	42	40	24	62	40	
50011-08-04	8	6	04	31	24	
50011-08-05	8	8	05	33	24	
50011-08-06	8	10	06	33	24	
50011-10-04	10	6	04	35	26	
50011-12-04	12	6	04	34.5	26	
50011-12-05	12	8	05	35.5	26	
50011-14-06	14	10	06	39.5	29	
50011-14-08	14	12	08	40	29	
50011-14-12	14	20	12	45.5	29	
50011-16-08	16	12	08	41	30	
50011-16-10	16	16	10	45.5	30	
50011-20-10	20	16	10	52.5	36	
50011-20-12	20	20	12	52.5	36	
50011-25-12	25	20	12	56	40	
50011-25-16	25	25	16	57	40	
50011-30-16	30	25	16	63	44	
50011-30-20	30	32	20	64	44	
50011-38-16	38	25	16	69	50	
50011-38-20	38	32	20	70	50	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 50012-xx-xx.3. Suffix “K” is to order Integrated Hose Fitting



50041

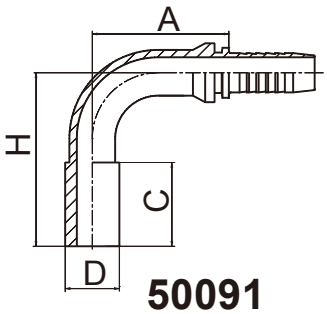


50041-K

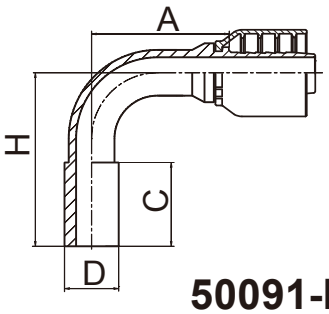
45° METRIC STANDPIPE STRAIGHT
DIN2353

PART NO.	TUBE O.D.	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	H
50041-06-03	6	5	03	47.8	22	27.5
50041-06-04	6	6	04	52.2	22	30.1
50041-08-05	8	8	05	55.7	24	32.4
50041-08-06	8	10	06	57.9	24	33.1
50041-10-05	10	8	05	54	23	30.6
50041-10-06	10	10	06	56.1	23	31.3
50041-12-06	12	10	06	58.5	23	34.5
50041-12-08	12	12	08	72.4	23	37.4
50041-15-06	15	10	06	59.3	25	34.5
50041-15-08	15	12	08	70.6	25	35.7
50041-18-08	18	12	08	73.4	26	38.5
50041-18-10	18	16	10	84.6	26	39.8
50041-22-10	22	16	10	87.1	28	42.3
50041-22-12	22	20	12	39.3	28	45.9
50041-22-16	22	25	16	100.9	28	46.7
50041-28-16	28	25	16	103.7	30	49.5
50041-35-20	35	32	20	118.5	36	57.8
50041-08-04	8	6	04	53.6	24	31.5
50041-10-04	10	6	04	54	26	31.9
50041-12-04	12	6	04	57.1	26	35.1
50041-12-05	12	8	05	59.2	26	35.9
50041-14-06	14	10	06	61.6	29	37.3
50041-14-08	14	12	08	73.8	29	38.8
50041-14-12	14	20	12	91.9	29	43.8
50041-16-08	16	12	08	76.6	30	41.7
50041-16-10	16	16	10	87.8	30	43
50041-20-10	20	16	10	92.8	36	48
50041-20-12	20	20	12	110.7	36	52.6
50041-25-12	25	20	12	101.8	40	54.5
50041-25-16	25	25	16	109.4	40	55.2
50041-30-16	30	25	16	113.6	44	59.4
50041-30-20	30	32	20	124.2	44	63.5
50041-38-16	38	25	16	117.9	50	63.6
50041-38-20	38	32	20	128.4	50	67.7

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 50042-xx-xx
3. Suffix “K” is to order Integrated Hose Fitting



50091

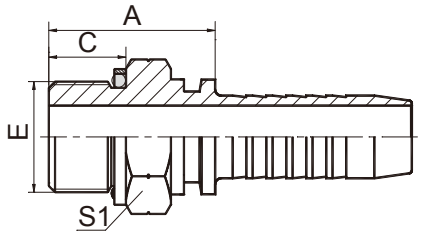


50091-K

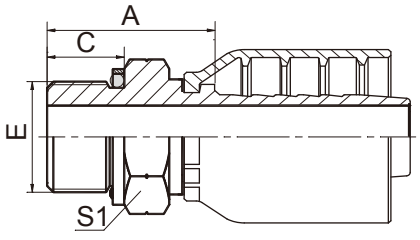
90° METRIC STANDPIPE STRAIGHT
DIN 2353

PART NO.	TUBE O.D.	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	H
50091-06-03	6	5	03	26.5	22	42.5
50091-06-04	6	6	04	30	22	45.5
50091-08-05	8	8	05	34	24	50.5
50091-08-06	8	10	06	35.8	24	52.8
50091-10-05	10	8	05	34	23	49.5
50091-10-06	10	10	06	35.3	23	51.8
50091-12-06	12	10	06	35.3	23	53.8
50091-12-08	12	12	08	41	23	59
50091-15-06	15	10	06	35.8	25	53.8
50091-15-08	15	12	08	41	25	59
50091-18-08	18	12	08	41	26	60
50091-18-10	18	16	10	56.5	26	64.5
50091-22-10	22	16	10	56.5	28	66.5
50091-22-12	22	20	12	65.5	28	76
50091-22-16	22	25	16	76.7	28	81.5
50091-28-16	28	25	16	76.7	30	83.5
50091-35-20	35	32	20	91.5	36	100.5
50091-08-04	8	6	04	30	24	52.5
50091-10-04	10	6	04	30	26	53
50091-12-04	12	6	04	30	26	57.5
50091-12-05	12	8	05	33	26	60.5
50091-14-06	14	10	06	35.3	29	63.8
50091-14-08	14	12	08	41	29	69
50091-14-12	14	20	12	66.2	29	83
50091-16-08	16	12	08	42	30	73
50091-16-10	16	16	10	56.5	30	77.5
50091-20-10	20	16	10	56.5	36	84.5
50091-20-12	20	20	12	65.5	36	95.5
50091-25-12	25	20	12	65.5	40	98
50091-25-16	25	25	16	76.7	40	103.5
50091-30-16	30	25	16	78	40	109.5
50091-30-20	30	32	20	91.5	44	120.5
50091-38-16	38	25	16	76.7	50	115.5
50091-38-20	38	32	20	91.5	50	126.5

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 50092-xx-xx.3. Suffix “K” is to order Integrated Hose Fitting



12211

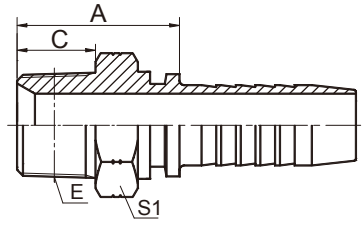


12211-K

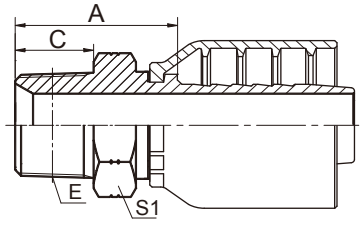
BSP MALE O-RING SEAL

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH	O-RING	A	C	S1	
12211-04-04	G1/4"X19	6	04	O111	23.5	11	19	
12211-04-06	G1/4"X19	10	06	O111	23.5	11	19	
12211-06-06	G3/8"X19	10	06	O113	26.5	12	22	
12211-08-04	G1/2"X14	6	04	O115	33.5	14	27	
12211-08-06	G1/2"X14	10	06	O115	33.5	14	27	
12211-08-08	G1/2"X14	12	08	O115	34	14	27	
12211-10-10	G5/8"X14	16	10	O910	36	15.5	30	
12211-12-10	G3/4"X14	16	10	O119	33.5	15.5	32	
12211-12-12	G3/4"X14	20	12	O119	38	15.5	32	
12211-12-16	G3/4"X14	25	16	O119	36	15.5	32	
12211-16-16	G1"X11	25	16	O217	44.5	18.5	41	
12211-20-20	G1.1/4"X11	32	20	O222	46	20	50	

NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 12212C-XX-XX. 3. Suffix "K" is to order Integrated Hose Fitting



13011-SP



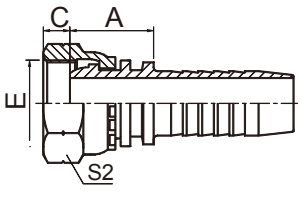
13011-SP-K

BSPT MALE

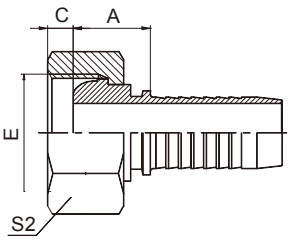
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S1	
13011-02-03SP	R1/8"X28	5	03		22	10	12	
13011-02-04SP	R1/8"X28	6	04		22.5	10	12	
13011-04-04SP	R1/4"X19	6	04		27	14.5	14	
13011-04-05SP	R1/4"X19	8	05		25	15.4	14	
13011-04-06SP	R1/4"X19	10	06		27	14.5	17	
13011-06-04SP	R3/8"X19	6	04		27.5	15	17	
13011-06-05SP	R3/8"X19	8	05		26.5	15	17	
13011-06-06SP	R3/8"X19	10	06		27.5	15	17	
13011-06-08SP	R3/8"X19	12	08		30	15	19	
13011-08-06SP	R1/2"X14	10	06		34.5	20	22	
13011-08-08SP	R1/2"X14	12	08		35	20	22	
13011-08-10SP	R1/2"X14	16	10		38	20	22	
13011-08-12SP	R1/2"X14	20	12		38	20	27	
13011-12-08SP	R3/4"X14	12	08		37	20	27	

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S1	
13011-12-08SP	R3/4"X14	12	08		37	20	27	
13011-12-10SP	R3/4"X14	16	10		38	20	27	
13011-12-12SP	R3/4"X14	20	12		38.5	20	27	
13011-12-16SP	R3/4"X14	25	16		39.5	20	32	
13011-16-12SP	R1"X11	20	12		44	25.5	36	
13011-16-16SP	R1"X11	25	16		45	25.5	36	
13011-20-20SP	R1.1/4"X11	32	20		49.5	26.5	46	
13011-24-24SP	R1.1/2"X11	40	24		52.5	26.5	50	
13011-32-24SP	R2"X11	40	24		57	30	65	
13011-32-32SP	R2"X11	50	32		57	30	65	

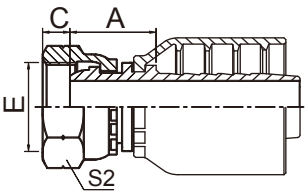
NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 13012C-XX-XX. 3. Suffix "K" is to order Integrated Hose Fitting



22111



22111-T

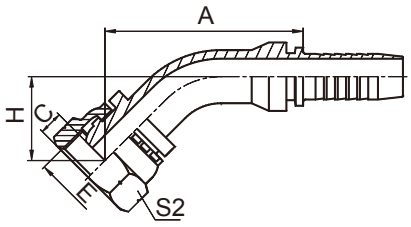


22111-K

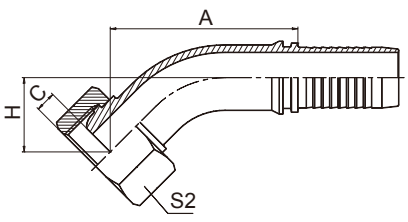
BSP FEMALE MULTISEAL

PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH		A	C	S2
22111-02-04	G1/8"X28	6	04		19	2	14
22111-04-03	G1/4"X19	5	03		19	4	19
22111-04-04	G1/4"X19	6	04		19.5	4	19
22111-06-05	G3/8"X19	8	05		20	5	22
22111-06-06	G3/8"X19	10	06		20.5	5	22
22111-06-08	G3/8"X19	12	08		21	5	22
22111-08-06T	G1/2"X14	10	06		22.5	6	27
22111-08-08	G1/2"X14	12	08		23	6	27
22111-08-10	G1/2"X14	16	10		24	6	27
22111-10-10	G5/8"X14	16	10		25	8	30
22111-10-12	G5/8"X14	20	12		25	8	30
22111-12-08T	G3/4"X14	12	08		25	9.5	32
22111-12-10	G3/4"X14	16	10		26	9.5	32
22111-12-12	G3/4"X14	20	12		26	9.5	32
22111-16-12T	G1"X11	20	12		26.5	11	41
22111-16-14	G1"X11	22	14		26.5	11	41
22111-16-16	G1"X11	25	16		28	11	41
22111-20-16T	G1.1/4"X11	25	16		27.5	11	50
22111-20-20W	G1.1/4"X11	32	20		31.5	10	50
22111-24-24W	G1.1/2"X11	40	24		37	11.5	55
22111-32-32W	G2"X11	50	32		34	15	70

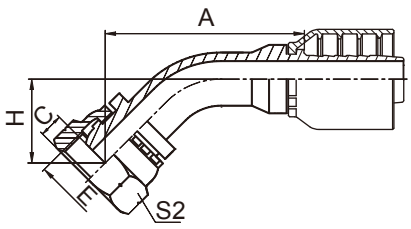
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22112-xx-xx3. Suffix "K" is to order Integrated Hose Fitting



22141



22141-T

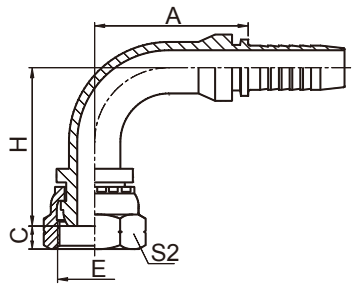


22141-K

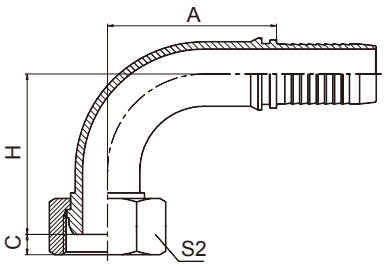
45° BSP FEMALE MULTISEAL

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
22141-02-04	G1/8"X28	6	04		43.7	2	21.6	14
22141-04-03	G1/4"X19	5	03		41.3	4	20.4	19
22141-04-04	G1/4"X19	6	04		43.7	4	21.6	19
22141-06-05	G3/8"X19	8	05		46.2	5	22.9	22
22141-06-06	G3/8"X19	10	06		48.1	5	23.9	22
22141-06-08	G3/8"X19	12	08		60.4	5	25.4	22
22141-08-04T	G1/2"X14	6	04		43.9	6	23.8	27
22141-08-06T	G1/2"X14	10	06		42.5	6	18.2	27
22141-08-08	G1/2"X14	12	08		61.8	6	26.8	27
22141-08-10	G1/2"X14	16	10		73	6	29	27
22141-10-10	G5/8"X14	16	10		73.7	8	28.9	30
22141-10-12	G5/8"X14	20	12		79.8	8	32.5	30
22141-12-08T	G3/4"X14	12	08		63.2	9.5	28.3	32
22141-12-10	G3/4"X14	16	10		70.4	9.5	29.6	32
22141-12-12	G3/4"X14	20	12		80.6	9.5	33.2	32
22141-16-12	G1"X11	20	12		81.6	11	33.5	41
22141-16-14	G1"X11	22	14		83.3	11	33	41
22141-16-16	G1"X11	25	16		89.2	11	35	41
22141-20-16T	G1.1/4"X11	25	16		91.4	9.1	37.1	50
22141-20-20W	G1.1/4"X11	32	20		102.9	10	41.2	50
22141-24-24W	G1.1/2"X11	40	24		119.8	11.5	49	55
22141-32-32W	G2"X11	50	32		137.4	15	53	70

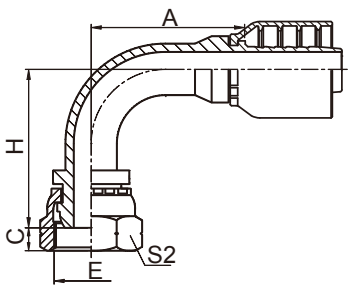
NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 20512-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 22141-02-04-SS means stainless steel adaptor.
22141-02-04--EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting



22191



22191-T

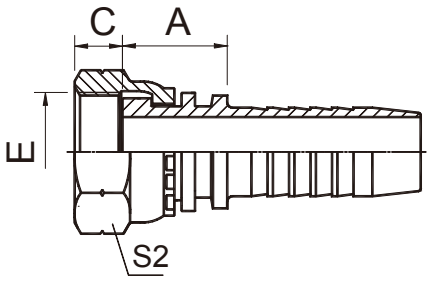


22191-K

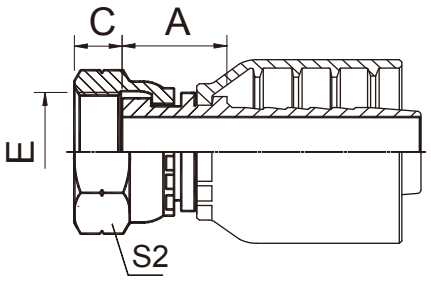
90° BSP FEMALE MULTISEAL

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
22191-02-04	G1/8"X28	6	04		30	2	38	14
22191-04-03	G1/4"X19	5	03		27	4	35	19
22191-04-04	G1/4"X19	6	04		30	4	38	19
22191-04-05	G1/4"X19	8	05		33	4	41.5	19
22191-06-05	G3/8"X19	8	05		33	5	42	22
22191-06-06	G3/8"X19	10	06		35.3	5	44.3	22
22191-06-08	G3/8"X19	12	08		41	5	50	22
22191-08-06T	G1/2"X14	10	06		35.3	6	46.8	27
22191-08-08	G1/2"X14	12	08		41	6	52.5	27
22191-10-10	G5/8"X14	16	10		56.5	8	57.5	30
22191-10-12	G5/8"X14	20	12		65.5	8	67	30
22191-12-08T	G3/4"X14	12	08		41	9.5	52	32
22191-12-10	G3/4"X14	16	10		56.5	9.5	58.5	32
22191-12-12	G3/4"X14	20	12		65.5	9.5	68	32
22191-16-12T	G1"X11	20	12		66.2	11	68.5	41
22191-16-14	G1"X11	22	14		71.2	11	69.5	41
22191-16-16	G1"X11	25	16		76.7	11	75	41
22191-20-16T	G1.1/4"X11	25	16		76.7	10	78	50
22191-20-20W	G1.1/4"X11	32	20		92.3	10	85.3	50
22191-24-24W	G1.1/2"X11	40	24		109.4	11.5	108	55
22191-32-32W	G2"X11	50	32		133.1	15	123.8	70

NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 22192-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 22191-02-04-SS means stainless steel adaptor.
22191-02-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting



22211

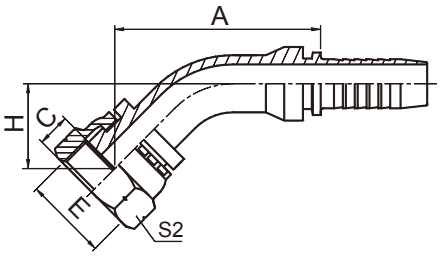


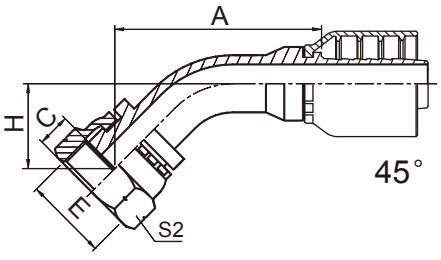
22211-K

BSP FEMALE FLAT SEAL

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S2	
22211-04-04	G1/4"X19	6	04		15.5	8	19	
22211-04-06	G1/4"X19	10	06		15.5	8	19	
22211-06-04	G3/8"X19	6	04		17	9	22	
22211-06-05	G3/8"X19	8	05		17	9	22	
22211-06-06	G3/8"X19	10	06		16.5	9	22	
22211-06-08	G3/8"X19	12	08		17.5	9	22	
22211-08-06T	G1/2"X14	10	06		18	10.5	27	
22211-08-08	G1/2"X14	12	08		18.5	10.5	27	
22211-10-08	G5/8"X14	12	08		20	12	30	
22211-10-10	G5/8"X14	16	10		21	12	30	
22211-12-08T	G3/4"X14	12	08		20.5	13.5	32	
22211-12-10	G3/4"X14	16	10		21.5	13.5	32	
22211-12-12	G3/4"X14	20	12		21.5	13.5	32	
22211-16-12T	G1"X11	20	12		21.5	15.5	41	
22211-16-16	G1"X11	25	16		23	15.5	41	
22211-20-20W	G1.1/4"X11	32	20		26	15.5	50	
22211-24-24W	G1.1/2"X11	40	24		27.5	17.5	55	
22211-32-32W	G2"X11	50	32		30.5	23	70	

NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 22212-XX-XX.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 22211-04-04-SS means stainless steel adaptor.
22211-04-04-EE means brass adaptor.4. Suffix “K” is to order Integrated Hose Fitting



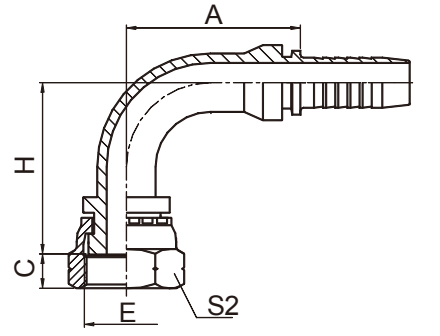


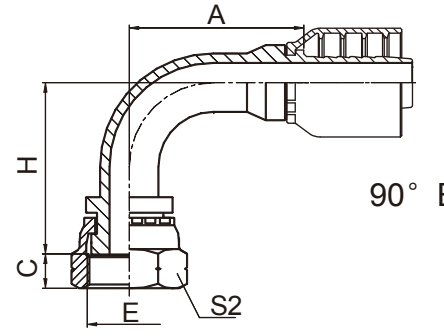
45° BSP FEMALE FLAT SEAL

22241 **22241-K**

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
22241-04-04	G1/4"X19	6	04		40.9	8	18.8	19
22241-06-06	G3/8"X19	10	06		45.3	9	21	22
22241-08-08	G1/2"X14	12	08		58.9	10.5	24	27
22241-12-12	G3/4"X14	20	12		76.8	13.5	30	32
22241-16-16	G1"X11	25	16		82.7	15.5	31.5	41
22241-20-20W	G1.1/4"X11	32	20		97.3	15.5	36.6	50

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22242-xx-xx3. Suffix "K" is to order Integrated Hose Fitting



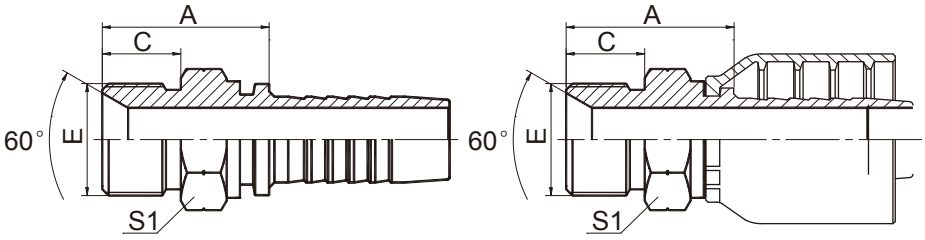


90° BSP FEMALE FLAT SEAL

22291 **22291-K**

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
22291-04-04	G1/4"X19	6	04		30	8	34.5	19
22291-06-06	G3/8"X19	10	06		35.3	9	41.3	22
22291-08-08	G1/2"X14	12	08		41	10.5	48	27
22291-12-12	G3/4"X14	20	12		65.5	13.5	63.5	32
22291-16-16	G1"X11	25	16		76.7	15.5	70	41
22291-20-20W	G1.1/4"X11	32	20		91.5	15.5	82.5	50
22291-24-24W	G1.1/2"X11	40	24		109.4	17.5	98.5	55

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22292-xx-xx.3. Suffix "K" is to order Integrated Hose Fitting

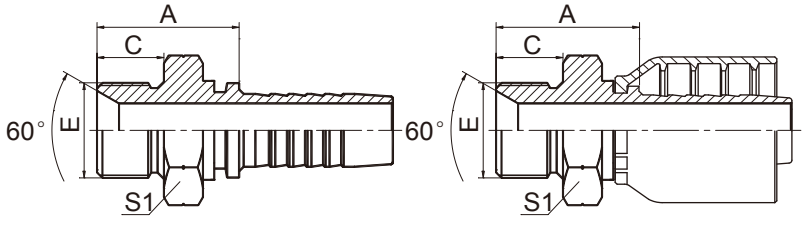


BSP MALE 60° CONE SEAL

12611 **12611-K**

PART NO.	THREAD E	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	S1		
12611-02-03	G1/8"X28	5	03		22	10	12		
12611-04-04	G1/4"X19	6	04		24.5	12	14		
12611-06-05	G3/8"X19	8	05		26	13.5	17		
12611-06-06	G3/8"X19	10	06		27.5	13.5	17		
12611-06-08	G3/8"X19	12	08		26.5	13.5	19		
12611-08-06	G1/2"X14	10	06		30.5	16	22		
12611-08-08	G1/2"X14	12	08		31	16	22		
12611-10-08	G5/8"X14	12	08		32.5	17.5	24		
12611-10-10	G5/8"X14	16	10		33.5	17.5	24		
12611-12-08	G3/4"X14	12	08		35.5	18.5	27		
12611-12-10	G3/4"X14	16	10		37	18.5	27		
12611-12-12	G3/4"X14	20	12		36.5	18.5	27		
12611-16-12	G1"X11	20	12		40.5	20.5	36		
12611-16-16	G1"X11	25	16		41.5	20.5	36		
12611-20-16	G1.1/4"X11	25	16		43.5	20.5	46		
12611-20-20	G1.1/4"X11	32	20		44.5	20.5	46		
12611-24-20	G.1/2"X11	32	20		49	23	50		
12611-24-24	G.1/2"X11	40	24		46	23	50		
12611-32-32	G2"X11	50	32		53.5	25.5	65		

NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 12612-XX-XX.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 12611-04-04-SS means stainless steel adaptor.
12611-04-04-EE means brass adaptor.43. Suffix “K” is to order Integrated Hose Fitting

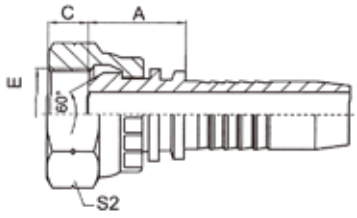


BSP MALE DOUBLE USE FOR 60° CONE SEAT OR BONDED SEAL

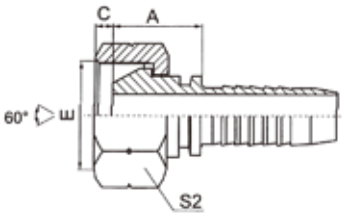
12611A **12611A-K**

PART NO.	THREAD E	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	S1		
12611A-02-03	G1/8"X28	5	03		22	10	14		
12611A-04-04	G1/4"X19	6	04		24.5	12	19		
12611A-04-05	G1/4"X19	8	05		24.5	12	19		
12611A-06-05	G3/8"X19	8	05		26	13.5	22		
12611A-06-06	G3/8"X19	10	06		28	13.5	22		
12611A-06-08	G3/8"X19	12	08		28.5	13.5	22		
12611A-08-06	G1/2"X14	10	06		33	16	27		
12611A-08-08	G1/2"X14	12	08		33.5	16	27		
12611A-08-10	G1/2"X14	16	10		32	16	27		
12611A-10-08	G5/8"X14	12	08		35	17.5	30		
12611A-10-10	G5/8"X14	16	10		36	17.5	30		
12611A-12-08	G3/4"X14	12	08		36.5	18.5	32		
12611A-12-10	G3/4"X14	16	10		37.5	18.5	32		
12611A-12-12	G3/4"X14	20	12		37.5	18.5	32		
12611A-16-12	G1"X11	20	12		42.5	20.5	41		
12611A-16-16	G1"X11	25	16		43.5	20.5	41		
12611A-20-16	G1.1/4"X11	25	16		45.5	20.5	50		
12611A-20-20	G1.1/4"X11	32	20		46.5	20.5	50		
12611A-24-24	G11/2"X11	40	24		49	23	55		
12611A-32-32	G2"X11	50	32		54.5	25.5	70		

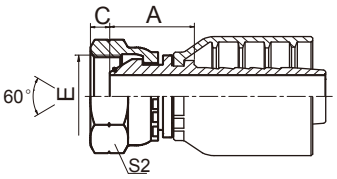
NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 12612A-XX-XX..3. This series of seal type can use 60 ° taper sealing, also can be in hexagon face put combined gasket seal.
4 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor.
For example: 12611A-02-03-SS means stainless steel adaptor. 12611A-02-03-EE means brass adaptor.5. Suffix “K” is to order Integrated Hose Fitting



22611-OR



22611-ORT

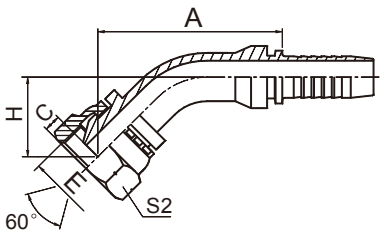


22611-ORK

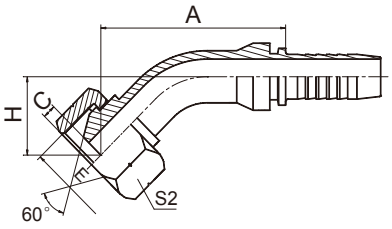
BSP FEMALE 60° CONE O-RING

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S2	
22611-02-03OR	G1/8"X28	5	03		15	5.5	14	
22611-02-04OR	G1/8"X28	6	04		15	5.5	14	
22611-04-03OR	G1/4"X19	5	03		17	5.5	19	
22611-04-04OR	G1/4"X19	6	04		18	5.5	19	
22611-04-05OR	G1/4"X19	8	05		18	5.5	19	
22611-04-06OR	G1/4"X19	10	06		18	5.5	19	
22611-06-04OR	G3/8"X19	6	04		19	6.3	22	
22611-06-05OR	G3/8"X19	8	05		19	6.3	22	
22611-06-06OR	G3/8"X19	10	06		19.5	6.3	22	
22611-06-08OR	G3/8"X19	12	08		19.5	6.3	22	
22611-08-06ORT	G1/2"X14	10	06		21	7.5	27	
22611-08-08OR	G1/2"X14	12	08		21.5	7.5	27	
22611-10-08OR	G5/8"X14	12	08		22	9.5	30	
22611-10-10OR	G5/8"X14	16	10		23	9.5	30	
22611-12-08ORT	G3/4"X14	12	08		22	10.9	32	
22611-12-10OR	G3/4"X14	16	10		23.5	10.9	32	
22611-12-12OR	G3/4"X14	20	12		24	10.9	32	
22611-16-12ORT	G1"X11	20	12		24	11.7	41	
22611-16-14OR	G1"X11	22	14		26	11.7	41	
22611-16-16OR	G1"X11	25	16		27	11.7	41	
22611-20-16ORT	G1.1/4"X11	25	16		27.5	11	50	
22611-20-20ORW	G1.1/4"X11	32	20		30.5	11	50	
22611-24-20ORT	G1.1/2"X11	32	20		32	13	55	
22611-24-24ORW	G1.1/2"X11	40	24		32	13	55	
22611-32-24ORT	G2"X11	40	24		30	16	70	
22611-32-32ORW	G2"X11	50	32		31.9	16	70	

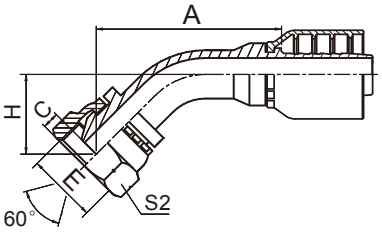
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22612-xx-xxOR..3. Suffix "K" is to order Integrated Hose Fitting



22641



22641-T

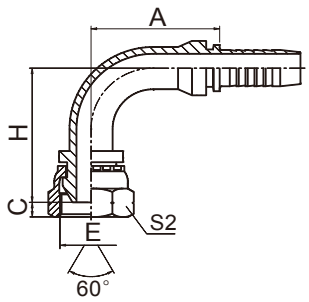


22641-K

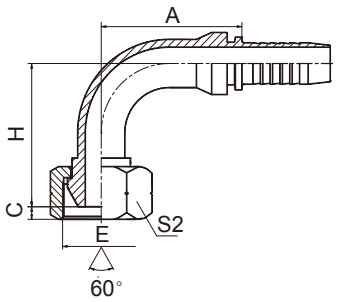
45° BSP FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
22641-04-04	G1/4"X19	6	04		42.3	5.5	20.2	19
22641-06-04	G3/8"X19	6	04		43.2	6.3	21	22
22641-06-05	G3/8"X19	8	05		45.3	6.3	22	22
22641-06-06	G3/8"X19	10	06		46.9	6.3	22.6	22
22641-08-06T	G1/2"X14	10	06		48.1	7.5	23.9	27
22641-08-08	G1/2"X14	12	08		61.1	7.5	26.1	27
22641-10-08	G5/8"X14	12	08		61.4	9.5	26.5	30
22641-10-10	G5/8"X14	16	10		72.6	9.5	27.8	30
22641-12-08T	G3/4"X14	12	08		61.8	10.9	26.9	32
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
22641-16-12T	G1"X11	20	12		80.8	11.7	33.4	41
22641-16-16	G1"X11	25	16		88.4	11.7	34.2	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		116.8	13	45.5	55
22641-32-32W	G2"X11	50	32		135.7	16	52.7	70

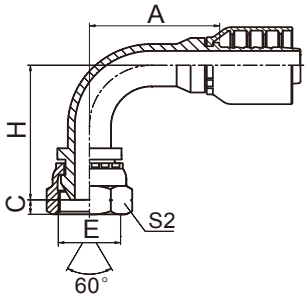
NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 22642-XX-XX.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 22641-04-04-SS means stainless steel adaptor.
22641-04-04-EE means brass adaptor..4. Suffix “K” is to order Integrated Hose Fitting



22691



22691-T

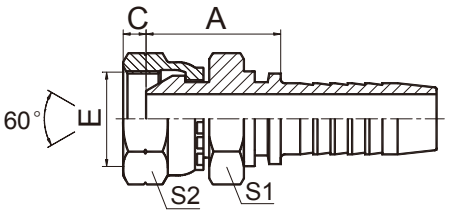


22691-K

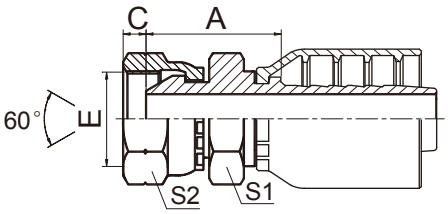
90° BSP FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
22691-02-03	G1/8"X28	5	03		26.5	5.5	31.5	14
22691-02-04	G1/8"X28	6	04		30	5.5	34.5	14
22691-04-03	G1/4"X19	5	03		26.5	5.5	33.5	19
22691-04-04	G1/4"X19	6	04		30	5.5	36.5	19
22691-04-05	G1/4"X19	8	05		33	5.5	39.5	19
22691-04-06	G1/4"X19	10	06		30	5.5	36.5	19
22691-06-04	G3/8"X19	6	04		30	6.3	37.7	22
22691-06-05	G3/8"X19	8	05		33	6.3	40.7	22
22691-06-06	G3/8"X19	10	06		35.3	6.3	43	22
22691-08-06T	G1/2"X14	10	06		35.3	7	43.3	27
22691-08-08	G1/2"X14	12	08		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	08		41	9.5	51.5	30
22691-10-10	G5/8"X14	16	10		56	9.5	56	30
22691-12-08T	G3/4"X14	12	08		41	10.9	52.1	32
22691-12-10	G3/4"X14	16	10		56.5	10.9	56.6	32
22691-12-12	G3/4"X14	20	12		64.9	10.9	66.1	32
22691-16-12T	G1"X11	20	12		65.5	11.7	68.3	41
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
22691-20-16T	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		109.4	13	103	55
22691-32-32W	G2"X11	50	32		131.8	16	123.3	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22692-xx-xx.3. Suffix "K" is to order Integrated Hose Fitting



22611D

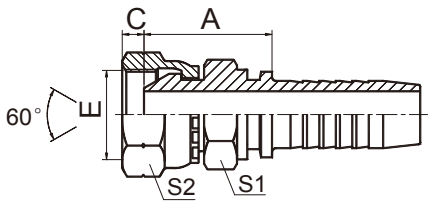


22611D-K

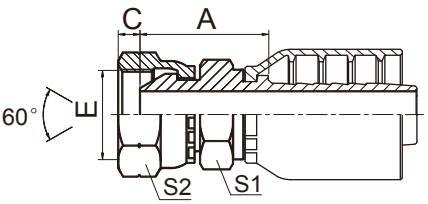
BSP FEMALE 60° CONE DOUBLE HEXAGON

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

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22612D-xx-xx..3. Suffix "K" is to order Integrated Hose Fitting



22611D-SM

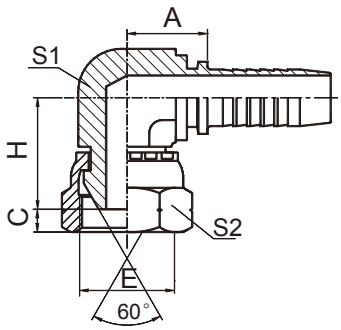


22611D-SM-K

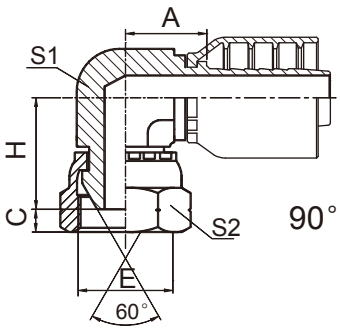
BSP FEMALE 60° CONE DOUBLE HEXAGON

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S1	S2
22611D-04-04SM	G1/4"X19	6	04		23	5.5	14	19
22611D-06-06SM	G3/8"X19	10	06		25	6.3	17	22
22611D-08-08SM	G1/2"X14	12	08		28.5	7.5	22	27
22611D-10-08SM	G5/8"X14	12	08		30	9.5	22	30
22611D-12-08SM	G3/4"X14	12	08		32.1	10.9	27	32
22611D-12-12SM	G3/4"X14	20	12		32.5	10.9	27	32
22611D-16-16SM	G1"X11	25	16		36.3	11.7	32	41
22611D-20-20WSM	G1.1/4"X11	32	20		41.5	11	41	50

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22612D-xx-xxSM.3. Suffix "K" is to order Integrated Hose Fitting



22691K

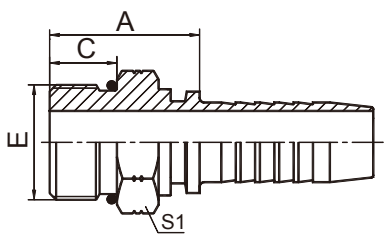


22691K-K

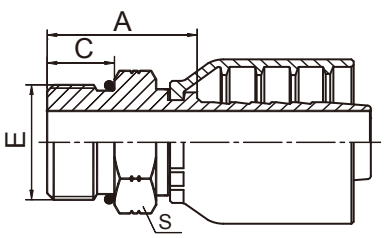
90° BSP COMPACT FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	H	S1	S2
22691K-04-04	G1/4"X19	6	04	17.5	5.5	18.5	11	19
22691K-06-04	G3/8"X19	6	04	20	6.3	24	16	22
22691K-06-05	G3/8"X19	8	05	20	6.3	24	16	22
22691K-06-06	G3/8"X19	10	06	20	6.3	24	16	22
22691K-08-06	G1/2"X14	10	06	23	7.5	28.5	19	27
22691K-08-08	G1/2"X14	12	08	23.5	7.5	28.5	19	27
22691K-10-10	G5/8"X14	16	10	24.5	9.5	30.5	22	30
22691K-12-12	G3/4"X14	20	12	27.5	10.9	33	27	32
22691K-16-16	G1"X11	25	16	43	11.7	38.5	33	41

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 22692K-xx-xx.3. Suffix “K” is to order Integrated Hose Fitting



16011

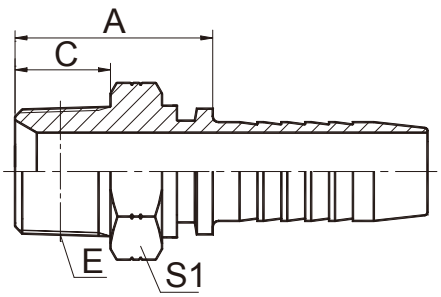


16011-K

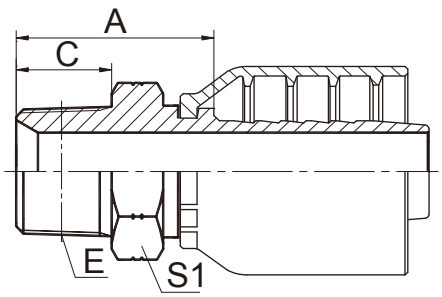
SAE O-RING MALE
ISO 11926--SAE J1926

PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH	O RING	A	C	S1
16011-04-04	7/16"X20	6	04	O904	21.5	9.1	14
16011-05-04	1/2"X20	6	04	O905	21.5	9.1	17
16011-06-05	9/16"X18	8	05	O906	22.5	9.9	17
16011-06-06	9/16"X18	10	06	O906	22.5	9.9	17
16011-08-06	3/4"X16	10	06	O908	23.5	11.1	22
16011-08-08	3/4"X16	12	08	O908	24	11.1	22
16011-10-08	7/8"X14	12	08	O910	30	12.7	27
16011-10-10	7/8"X14	16	10	O910	31	12.7	27
16011-12-10	1.1/16"X12	16	10	O912	34	15.1	32
16011-12-12	1.1/16"X12	20	12	O912	34	15.1	32
16011-16-16	1.5/16"X12	25	16	O916	36	15.1	38

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 16012-xx-xx.3. Suffix “K” is to order Integrated Hose Fitting



15611

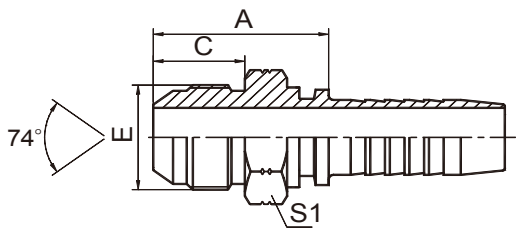


15611-K

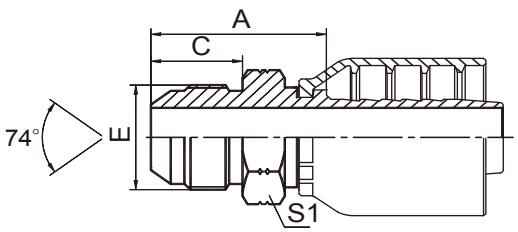
NPT MALE

PART NO.	THREAD E	HOSE BORE DN	HOSE BORE DASH		DIMENSIONS A	DIMENSIONS C	DIMENSIONS S1	
15611-02-03	Z1/8"X27	5	03		21.5	10.5	12	
15611-02-04	Z1/8"X27	6	04		22.5	10.5	12	
15611-04-03	Z1/4"X18	5	03		27	15	17	
15611-04-04	Z1/4"X18	6	04		28	15	17	
15611-04-05	Z1/4"X18	8	05		28	15	17	
15611-04-06	Z1/4"X18	10	06		28	15	17	
15611-06-04	Z3/8"X18	6	04		28	16	19	
15611-06-05	Z3/8"X18	8	05		29	16	19	
15611-06-06	Z3/8"X18	10	06		29	16	19	
15611-06-08	Z3/8"X18	12	08		30.5	16	19	
15611-08-06	Z1/2"X14	10	06		34	19.5	22	
15611-08-08	Z1/2"X14	12	08		34.5	19.5	22	
15611-08-10	Z1/2"X14	16	10		35.5	19.5	22	
15611-12-08	Z3/4"X14	12	08		37.5	19.5	27	
15611-12-10	Z3/4"X14	16	10		37.5	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		46.5	25.5	36	
15611-20-16	Z1.1/4"X11.5	25	16		49	26.5	46	
15611-20-20	Z1.1/4"X11.5	32	20		50.5	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	

NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 15612-XX-XX.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 15611-04-04-SS means stainless steel adaptor.
15611-04-04-EE means brass adaptor. 4. Suffix “K” is to order Integrated Hose Fitting



16711

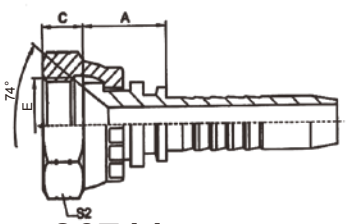


16711-K

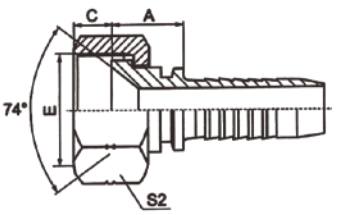
JIC MALE 74° CONE
ISO 8434-2--SAE J514

PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH		A	C	S1
16711-04-03	7/16"X20	5	03		26	14	12
16711-04-04	7/16"X20	6	04		26.5	14	12
16711-05-04	1/2"X20	6	04		26.5	14	14
16711-05-05	1/2"X20	8	05		26.5	14	14
16711-05-06	1/2"X20	10	06		26.5	14	17
16711-06-04	9/16"X18	6	04		26.5	14.1	17
16711-06-05	9/16"X18	8	05		26.5	14.1	17
16711-06-06	9/16"X18	10	06		26.5	14.1	17
16711-08-06	3/4"X16	10	06		31.5	16.7	22
16711-08-08	3/4"X16	12	08		32	16.7	22
16711-10-06	7/8"X14	10	06		33.5	19.3	24
16711-10-08	7/8"X14	12	08		34	19.3	24
16711-10-10	7/8"X14	16	10		35	19.3	24
16711-12-08	1.1/16"X12	12	08		38.5	21.9	30
16711-12-10	1.1/16"X12	16	10		39.5	21.9	30
16711-12-12	1.1/16"X12	20	12		40	21.9	30
16711-12-16	1.1/16"X12	25	16		42	21.9	30
16711-14-10	1.3/16"X12	16	10		41.5	22.6	32
16711-14-12	1.3/16"X12	20	12		40.5	22.6	32
16711-16-12	1.5/16"X12	20	12		43	23.1	36
16711-16-16	1.5/16"X12	25	16		43.5	23.1	36
16711-20-16	1.5/8"X12	25	16		47	24.3	46
16711-20-20	1.5/8"X12	32	20		47.5	24.3	46
16711-24-20	1.7/8"X12	32	20		53	27.5	50
16711-24-24	1.7/8"X12	40	24		53	27.5	50
16711-32-32	2.1/2"X12	50	32		62	33.9	65

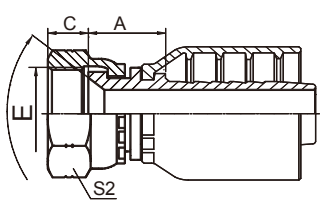
NOTE: 1.For use with braided hoses. 2.if use with spiral hoses,hose fitting series number is 16712-XX-XX.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 16711-04-04-SS means stainless steel adaptor.
16711-04-04-EE means brass adaptor. 4.Suffix “K” is to order Integrated Hose Fitting



26711



26711-T

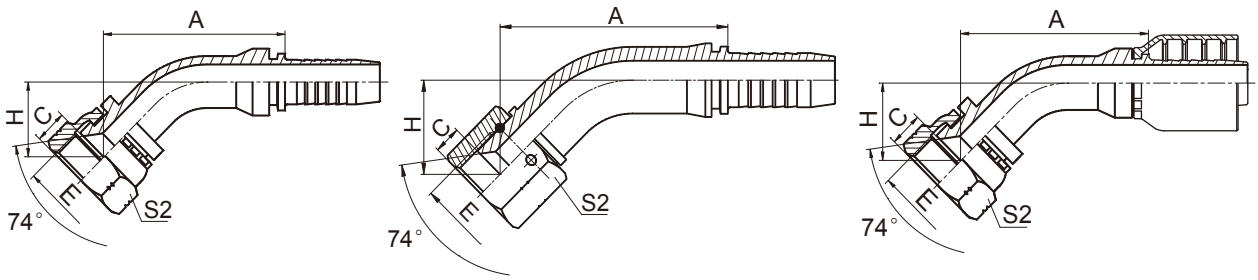


26711-K

JIC FEMALE 74° CONE SEAL
SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
26711-04-03	7/16”X20	5	03	14.5	9	15
26711-04-04	7/16”X20	6	04	15	9	15
26711-05-04	1/2”X20	6	04	15.5	9.5	17
26711-05-05	1/2”X20	8	05	15.5	9.5	17
26711-05-06	1/2”X20	10	06	15.5	9.5	17
26711-06-04	9/16”X18	6	04	15.5	10.5	19
26711-06-05	9/16”X18	8	05	15.5	10.5	19
26711-06-06	9/16”X18	10	06	15.5	10.5	19
26711-06-08	9/16”X18	12	08	16	10.5	19
26711-08-06	3/4”X16	10	06	17.5	11	24
26711-08-08	3/4”X16	12	08	18	11	24
26711-08-10	3/4”X16	16	10	19.5	11	24
26711-10-08	7/8”X14	12	08	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
26711-12-08T	1.1/16”X12	12	08	19	15	32
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	1.3/16”X12	20	12	21.5	15	36
26711-16-12T	1.5/16”X12	20	12	18.5	16	41
26711-16-16	1.5/16”X12	25	16	23	16	41
26711-16-20	1.5/16”X12	32	20	24	16	41
26711-20-16T	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

NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 26712-XX-XX. 3. Suffix “K” is to order Integrated Hose Fitting

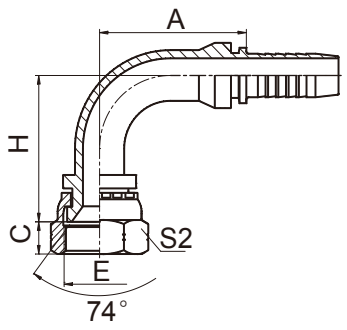


26741 **26741W** **26741-K**

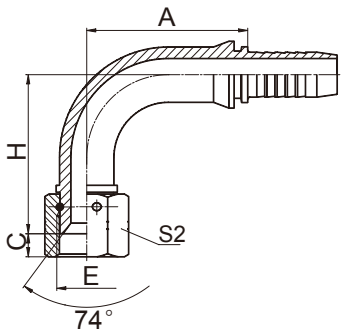
45° JIC FEMALE 74° CONE SEAL
SAE J514

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
26741-04-03	7/16"X20	5	03		37.6	9	17.2	15
26741-04-04	7/16"X20	6	04		40.2	9	18.1	15
26741-05-04	1/2"X20	6	04		40.5	9.5	18.5	17
26741-05-05	1/2"X20	8	05		42.7	9.5	19.3	17
26741-05-06	1/2"X20	10	06		44.6	9.5	20.3	17
26741-06-04	9/16"X18	6	04		40.5	10.5	18.5	19
26741-06-05	9/16"X18	8	05		42.6	10.5	19.3	19
26741-06-06	9/16"X18	10	06		44.3	10.5	20	19
26741-08-06	3/4"X16	10	06		45.7	11	21.4	24
26741-08-08	3/4"X16	12	08		57.9	11	22.9	24
26741-10-08	7/8"X14	12	08		58.9	13	24	27
26741-10-10	7/8"X14	16	10		69.6	13	25.3	27
26741-10-12	7/8"X14	20	12		75.7	13	28.9	27
26741-12-08	1.1/16"X12	12	08		60	15	25.1	32
26741-12-10	1.1/16"X12	16	10		70.7	15	26.4	32
26741-12-12	1.1/16"X12	20	12		76.8	15	30	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
26741-20-20W	1.5/8"X12	32	20		95.9	17	35.2	50
26741-24-20W	1.7/8"X12	32	20		100.9	20	40.1	55
26741-24-24W	1.7/8"X12	40	24		114.8	20	44.1	55
26741-32-32W	2.1/2"X12	50	32		135.9	23.5	51.6	75

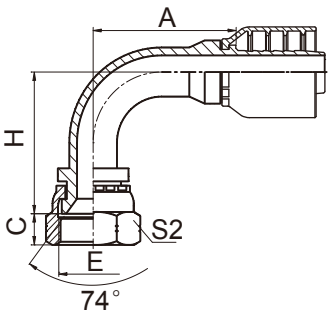
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 26742-xx-xx. 3. Suffix “K” is to order Integrated Hose Fitting



26791



26791W

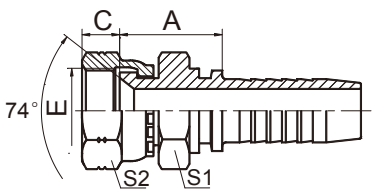


26791-K

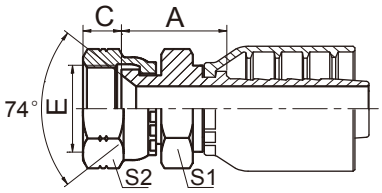
90° JIC FEMALE 74° CONE SEAL
SAE J514

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
26791-04-03	7/16"X20	5	03		26.5	9	30.5	15
26791-04-04	7/16"X20	6	04		30	9	33.5	15
26791-05-04	1/2"X20	6	04		30	9.5	34	17
26791-05-05	1/2"X20	8	05		33	9.5	37	17
26791-05-06	1/2"X20	10	06		35.3	9.5	39.3	17
26791-06-04	9/16"X18	6	04		30	10.5	34	19
26791-06-05	9/16"X18	8	05		33	10.5	37	19
26791-06-06	9/16"X18	10	06		35.3	10.5	39.3	19
26791-06-08	9/16"X18	12	08		35.8	10.5	39.8	19
26791-08-06	3/4"X16	10	06		35.3	11	41.3	24
26791-08-08	3/4"X16	12	08		41	11	47.5	24
26791-08-10	3/4"X16	16	10		49	11	47.5	24
26791-10-08	7/8"X14	12	08		41	13	48	27
26791-10-10	7/8"X14	16	10		56	13	52.5	27
26791-10-12	7/8"X14	20	12		64.9	13	62	27
26791-12-08	1.1/16"X12	12	08		41	15	49.5	32
26791-12-10	1.1/16"X12	16	10		56	15	54	32
26791-12-12	1.1/16"X12	20	12		65.5	15	63.5	32
26791-12-16	1.1/16"X12	25	16		74	15	63.5	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
26791-20-20W	1.5/8"X12	32	20		91.5	17	80.5	50
26791-24-20W	1.7/8"X12	32	20		91.5	20	80.5	55
26791-24-24W	1.7/8"X12	40	24		109.4	20	94	55
26791-32-32W	2.1/2"X12	50	32		133.1	23.5	121.8	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 26792-xx-xx. 3. Suffix “K” is to order Integrated Hose Fitting



26711D

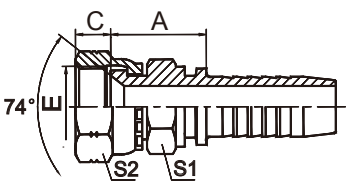


26711D-K

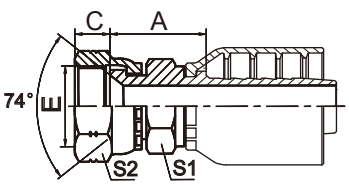
JIC FEMALE 74° CONE SEAL
DOUBLE HEXAGON
SAE J514

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S1	S2
26711D-04-04	7/16"X20	6	04		20	9	17	15
26711D-05-04	1/2"X20	6	04		21	9.5	17	17
26711D-06-04	9/16"X18	6	04		21	10.5	19	19
26711D-06-06	9/16"X18	10	06		21	10.5	19	19
26711D-08-06	3/4"X16	10	06		25	11	24	24
26711D-08-08	3/4"X16	12	08		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	08		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-20-20W	1.7/16"X12	32	20		41	17	50	50

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 26712D-xx-xx. 3. Suffix "K" is to order Integrated Hose Fitting



26711D-SM

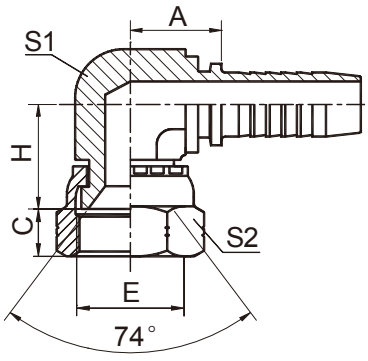


26711D-SM-K

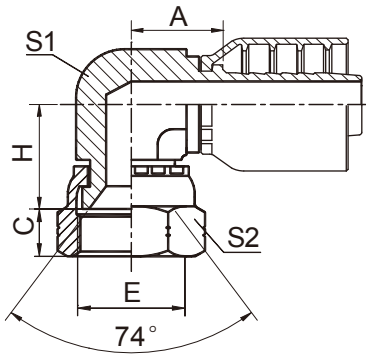
JIC FEMALE 74° CONE
SEAL DOUBLE HEXAGON
SAE J514

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S1	S2
26711D-04-04SM	7/16"X20	6	04		20	9	12	15
26711D-05-04SM	1/2"X20	6	04		20.5	9.5	12	17
26711D-06-04SM	9/16"X18	6	04		21	10.5	14	19
26711D-06-06SM	9/16"X18	10	06		21	10.5	17	19
26711D-08-06SM	3/4"X16	10	06		23	11	19	24
26711D-08-08SM	3/4"X16	12	08		24.5	11	22	24
26711D-08-10SM	3/4"X16	16	10		25.5	11	22	24
26711D-10-08SM	7/8"X14	12	08		26	13	22	27
26711D-10-10SM	7/8"X14	16	10		27	13	22	27
26711D-12-12SM	1.1/16"X12	20	12		31.5	15	27	32
26711D-16-12SM	1.5/16"X12	20	12		31.5	16	32	41
26711D-16-16SM	1.5/16"X12	25	16		33	16	32	41
26711D-20-20WSM	1.7/16"X12	32	20		39	17	41	50

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 26712D-xx-xxSM. 3. Suffix "K" is to order Integrated Hose Fitting



26791K

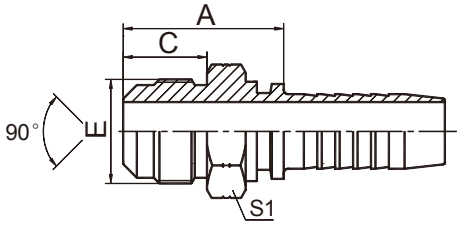


26791K-K

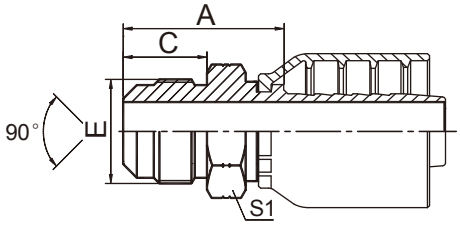
90° JIC COMPACT FEMALE
74° CONE SEAL
SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	H	S1	S2
26791K-04-04	7/16"X20	6	04	17.5	9	18	11	15
26791K-06-04	9/16"X18	6	04	20	10.5	20.5	14	19
26791K-06-06	9/16"X18	10	06	20	10.5	20.5	16	19
26791K-08-06	3/4"X16	10	06	23	11	25	19	24
26791K-08-08	3/4"X16	12	08	23.5	11	25	22	24
26791K-10-08	7/8"X14	12	08	25	13	27	22	27
26791K-10-10	7/8"X14	16	10	25	13	27	22	27
26791K-12-12	1.1/16"X12	20	12	29	15	31	27	32
26791K-16-16	1.5/16"X12	25	16	43	16	34.3	33	41

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 26792K-xx-xx. 3. Suffix "K" is to order Integrated Hose Fitting



17811

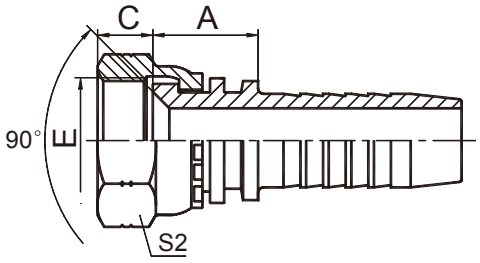


17811-K

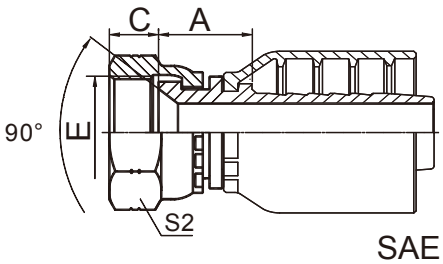
SAE MALE 90° CONE
SAE J513

PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH		A	C	S1
17811-04-04	7/16"X20	6	04		25.5	12.7	12
17811-05-05	1/2"X20	8	05		27	14.2	14
17811-06-06	5/8"X18	10	06		28.5	15.7	17
17811-08-08	3/4"X16	12	08		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		44	25.4	30

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 17812-xx-xx. 3. Suffix "K" is to order Integrated Hose Fitting



27811

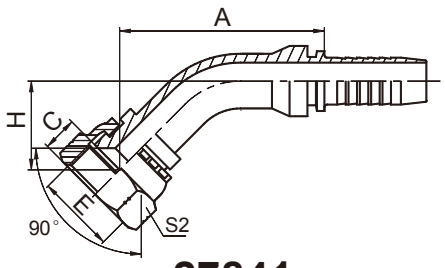


27811-K

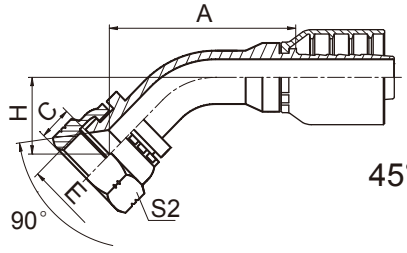
SAE FEMALE 90° CONE SEAL
SAE J513

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S2	
27811-04-03	7/16"X20	5	03		14	9	15	
27811-04-04	7/16"X20	6	04		15	9	15	
27811-05-05	1/2"X20	8	05		15.5	9.5	17	
27811-06-04	5/8"X18	6	04		17	11.3	22	
27811-06-05	5/8"X18	8	05		17	11.3	22	
27811-06-06	5/8"X18	10	06		17	11.3	22	
27811-08-08	3/4"X16	12	08		18	11	24	
27811-10-08	7/8"X14	12	08		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	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 27812-xx-xx. 3. Suffix "K" is to order Integrated Hose Fitting



27841

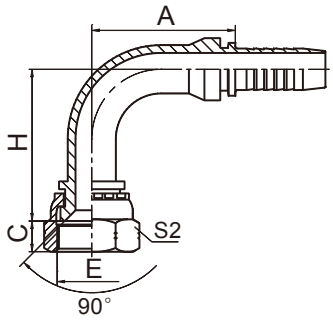


27841-K

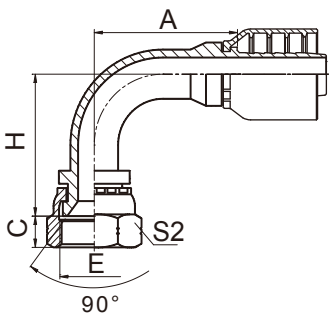
45° SAE FEMALE 90° CONE SEAL
SAE J513

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
27841-04-03	7/16"X20	5	03		37.6	9	17.2	15
27841-06-04	5/8"X18	6	04		42	11.3	20	22
27841-06-05	5/8"X18	8	05		43.7	11.3	20.4	22
27841-06-06	5/8"X18	10	06		45.3	11.3	21	22
27841-08-08	3/4"X16	12	08		58.2	11	23.3	24
27841-10-08	7/8"X14	12	08		58.2	13	23.3	27
27841-10-10	7/8"X14	16	10		69.6	13	25.3	27
27841-12-12	1.1/16"X14	20	12		76.8	14.3	30	32

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 27842-xx-xx. 3. Suffix "K" is to order Integrated Hose Fitting



27891

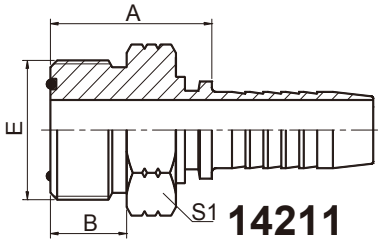


27891-K

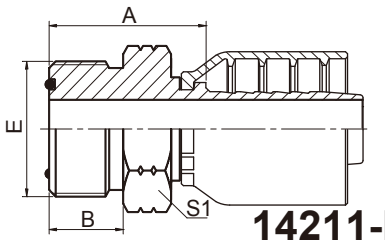
90° SAE FEMALE 90° CONE SEAL
SAE J513

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	H	S2
27891-04-04	7/16"X20	6	04		30	9	33.5	15
27891-06-04	5/8"X18	6	04		30	11.3	35.5	22
27891-06-05	5/8"X18	8	05		33	11.3	38.5	22
27891-06-06	5/8"X18	10	06		35.3	11.3	40.8	22
27891-10-08	7/8"X14	12	08		42	13	47	27
27891-10-10	7/8"X14	16	10		56.5	13	52.5	27
27891-12-12	1.1/16"X14	20	12		65	14.3	63.5	32

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 27892-xx-xx. 3. Suffix "K" is to order Integrated Hose Fitting



14211

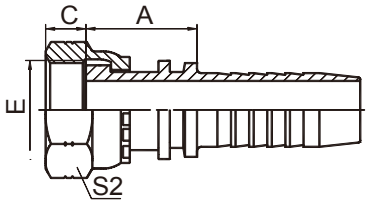


14211-K

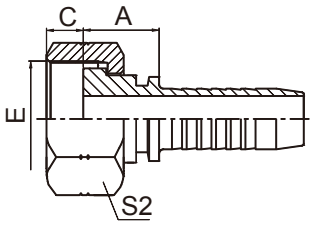
ORFS MALE O-RING SEAL
ISO 8434-3——SAE J1453

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH	O-RING	A	B	S1	
14211-04-04	9/16"X18	6	04	O011	22.5	9.8	17	
14211-06-04	11/16"X16	6	04	O012	24	11.2	19	
14211-06-06	11/16"X16	10	06	O012	24	11.2	19	
14211-08-06	13/16"X16	10	06	O014	27.5	12.8	22	
14211-08-08	13/16"X16	12	08	O014	28.5	12.8	22	
14211-08-10	13/16"X16	16	10	O014	28.5	12.8	22	
14211-10-08	1"X14	12	08	O016	32.5	15.5	27	
14211-10-10	1"X14	16	10	O016	33.5	15.5	27	
14211-12-08	1.3/16"X12	12	08	O018	35.5	17	32	
14211-12-10	1.3/16"X12	16	10	O018	36	17	32	
14211-12-12	1.3/16"X12	20	12	O018	36.5	17	32	
14211-16-12	1.7/16"X12	20	12	O021	37	17.5	38	
14211-16-16	1.7/16"X12	25	16	O021	38.5	17.5	38	
14211-20-20	1.11/16"X12	32	20	O025	41.5	17.5	46	
14211-24-24	2"X12	40	24	O029	43.5	17.5	55	

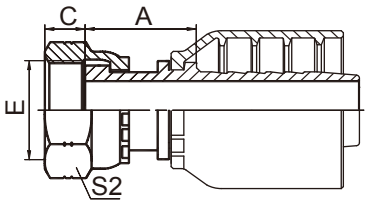
NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is14212-XX-XX.3. Suffix "K" is to order Integrated Hose Fitting



24211



24211-T

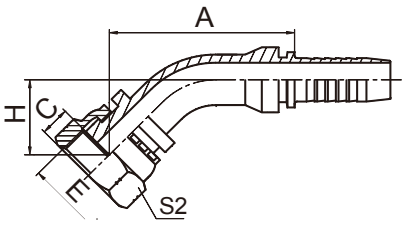


24211-K

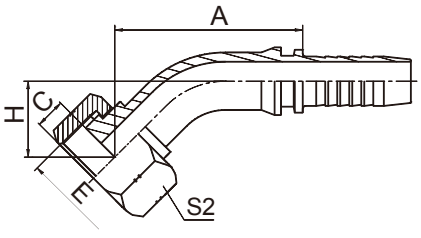
ORFS FEMALE FLAT SEAL
ISO 12151-1--SAE J516

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S2	
24211-04-04	9/16"X18	6	04		22.5	8.5	19	
24211-04-05	9/16"X18	8	05		22.5	8.5	19	
24211-04-06	9/16"X18	10	06		22.5	8.5	19	
24211-06-04T	11/16"X16	6	04		23.5	10	22	
24211-06-05T	11/16"X16	8	05		23.5	10	22	
24211-06-06	11/16"X16	10	06		25.5	10	22	
24211-06-08	11/16"X16	12	08		26	10	22	
24211-08-05T	13/16"X16	8	05		25	11	27	
24211-08-06T	13/16"X16	10	06		25	11	27	
24211-08-08	13/16"X16	12	08		28	11	27	
24211-08-10	13/16"X16	16	10		29	11	27	
24211-10-08T	1"X14	12	08		29.5	13.5	30	
24211-10-10	1"X14	16	10		33	13.5	30	
24211-10-12	1"X14	20	12		33.5	13.5	30	
24211-12-08T	1.3/16"X12	12	08		30.5	15	36	
24211-12-10T	1.3/16"X12	16	10		31.5	15	36	
24211-12-12	1.3/16"X12	20	12		35	15	36	
24211-12-16	1.3/16"X12	25	16		36	15	36	
24211-16-12T	1.7/16"X12	20	12		35	14.8	41	
24211-16-14T	1.7/16"X12	22	14		35	14.8	41	
24211-16-16T	1.7/16"X12	25	16		35	14.8	41	
24211-16-20	1.7/16"X12	32	20		39.5	14.8	41	
24211-20-16T	1.11/16"X12	25	16		35	15	50	
24211-20-20W	1.11/16"X12	32	20		42.5	15	50	
24211-20-24W	1.11/16"X12	40	24		42.5	15	50	
24211-24-20T	2"X12	32	20		36	14.8	60	
24211-24-24T	2"X12	40	24		36	14.8	60	

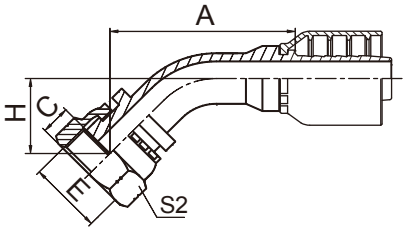
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 24212-xx-xx. 3. Suffix "K" is to order Integrated Hose Fitting



24241



24241-T

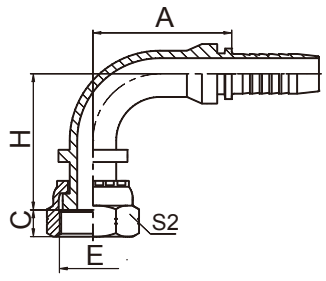


24241-K

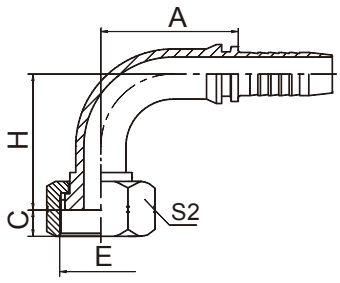
45° ORFS FEMALE FLAT SEAL
ISO 12151-1--SAE J516

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	H	C	S2
24241-04-04	9/16"X18	6	04		45.5	23.4	8.5	19
24241-04-05	9/16"X18	8	05		47.6	24.3	8.5	19
24241-04-06	9/16"X18	10	06		49.2	24.9	8.5	19
24241-06-04T	11/16"X16	6	04		39.5	17.4	10	22
24241-06-05T	11/16"X16	8	05		42.3	19	10	22
24241-06-06	11/16"X16	10	06		51.3	27.1	10	22
24241-08-06T	13/16"X16	10	06		44.6	20.3	11	27
24241-08-08	13/16"X16	12	08		65.7	30.7	11	27
24241-08-10	13/16"X16	16	10		76.5	31.7	11	27
24241-10-08T	1"X14	12	08		58.2	23.3	13.5	30
24241-10-10	1"X14	16	10		79.2	34.9	13.5	30
24241-12-08T	1.3/16"X12	12	08		58.2	23.3	15	36
24241-12-10T	1.3/16"X12	16	10		68.2	23.9	15	36
24241-12-12	1.3/16"X12	20	12		87	39.5	15	36
24241-12-16	1.3/16"X12	25	16		95.3	41	15	36
24241-16-12T	1.7/16"X12	20	12		74	29.6	14.8	41
24241-16-14T	1.7/16"X12	22	14		78.7	28.5	14.8	41
24241-16-16T	1.7/16"X12	25	16		84.1	29.7	14.8	41
24241-20-16T	1.11/16"X12	25	16		84.1	29.7	15	50
24241-20-20W	1.11/16"X12	32	20		111.2	49	15	50
24241-24-20T	2"X12	32	20		94.5	33.8	14.8	60
24241-24-24T	2"X12	40	24		108.5	37.7	14.8	60

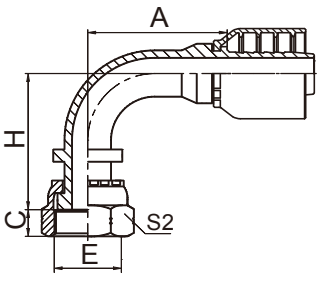
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 24242-xx-xx. 3. Suffix “K” is to order Integrated Hose Fitting



24291



24291-T

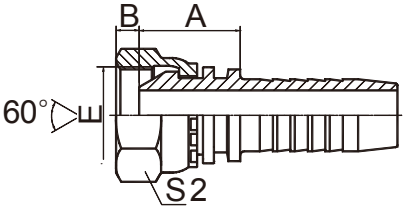


24291-K

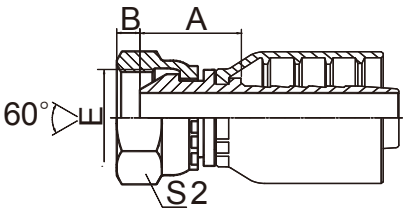
90° ORFS FEMALE FLAT SEAL
ISO 12151-1--SAE J516

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	H	C	S2
24291-04-04	9/16"X18	6	04		30	41	8.5	19
24291-04-05	9/16"X18	8	05		33	44	8.5	19
24291-06-05T	11/16"X16	8	05		33	37.5	10	22
24291-06-06	11/16"X16	10	06		35.3	49.3	10	22
24291-06-08	11/16"X16	12	08		41	55	10	22
24291-08-06T	13/16"X16	10	06		35.3	39.8	11	27
24291-08-08	13/16"X16	12	08		41	57.5	11	27
24291-08-10	13/16"X16	16	10		56.5	61.5	11	27
24291-10-08T	1"X14	12	08		41	46	13.5	30
24291-10-10	1"X14	16	10		56	66	13.5	30
24291-10-12	1"X14	20	12		65.5	75.5	13.5	30
24291-12-10T	1.3/16"X12	16	10		56	51.5	15	36
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	83.5	15	36
24291-16-12T	1.7/16"X12	20	12		65.5	63	14.8	41
24291-16-14T	1.7/16"X12	22	14		71.2	63	14.8	41
24291-16-16T	1.7/16"X12	25	16		76.9	67.5	14.8	41
24291-20-16T	1.11/16"X12	25	16		76.7	67.5	15	50
24291-20-20W	1.11/16"X12	32	20		93	100	15	50
24291-24-20T	2"X12	32	20		91.5	78.5	14.8	60
24291-24-24T	2"X12	40	24		109.4	92	14.8	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 24292-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 24291-04-04-SS means stainless steel adaptor. 24291-04-04-EE means brass adaptor. 4. Suffix “K” is to order Integrated Hose Fitting



21611

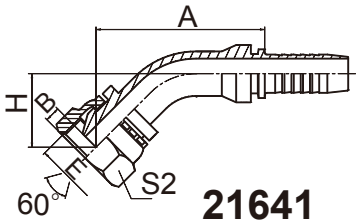


21611-K

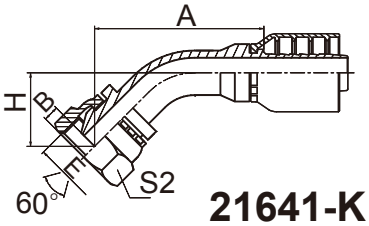
NPSM FEMALE 60° CONE
SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	B	S2
21611-04-04	1/4"X18	6	04	22	4.6	19
21611-04-06	1/4"X18	10	06	22	4.6	19
21611-06-04	3/8"X18	6	04	23	6	22
21611-06-05	3/8"X18	8	05	23	6	22
21611-06-06	3/8"X18	10	06	23	6	22
21611-08-08	1/2"X14	12	08	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

NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is21612-XX-XX. 3. Suffix “K” is to order Integrated Hose Fitting



21641

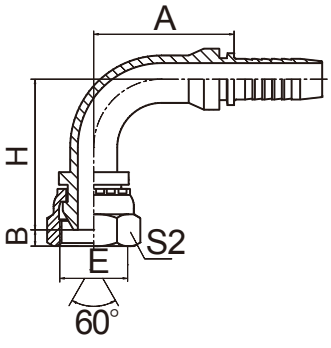


21641-K

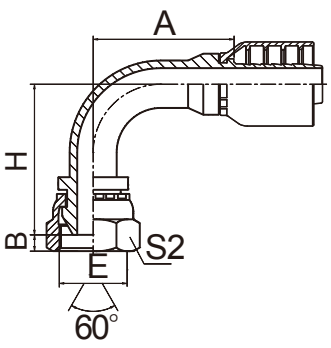
45° NPSM FEMALE 60° CONE
SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	B	H	S2
21641-04-04	1/4"X18	6	04	45.1	4.6	23	19
21641-06-06	3/8"X18	10	06	47.2	6	24.9	22
21641-08-08	1/2"X14	12	08	62.7	7.5	27.7	27
21641-12-12	3/4"X14	20	12	81.4	8.9	34	32
21641-16-16	1"X11.5	25	16	89.2	10.5	35	41
21641-20-20W	1.1/4"X11.5	32	20	99.8	11.2	39.3	50
21641-24-24W	1.1/2"X11.5	40	24	115.1	11.2	44.4	55
21641-32-32W	2"X11.5	50	32	136.4	11.2	63.4	70

NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is21642-XX-XX. 3. Suffix “K” is to order Integrated Hose Fitting



21691

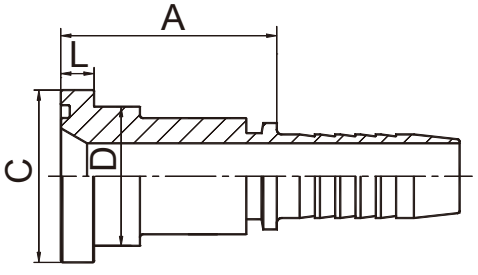


21691-K

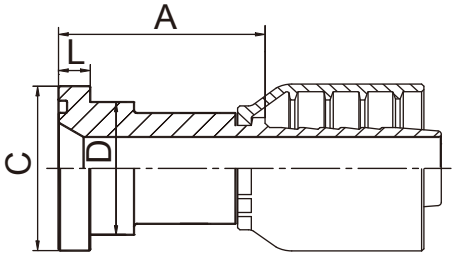
90° NPSM FEMALE 60° CONE
SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	B	H	S2
21691-04-04	1/4"×18	6	04	30	4.5	40.5	19
21691-06-04	3/8"×18	6	04	30	6	37.7	22
21691-06-05	3/8"×18	8	05	34	6	40.7	22
21691-06-06	3/8"×18	10	06	35.3	6	45.3	22
21691-08-08	1/2"×14	12	08	41	7.5	53.2	27
21691-12-10	3/4"×14	16	10	56.5	8.9	53.5	32
21691-12-12	3/4"×14	20	12	65.5	8.9	69.1	32
21691-16-12T	1"×11.5	20	12	65.5	10.5	64.5	41
21691-16-16	1"×11.5	25	16	76.7	10.5	75	41
21691-20-20W	1.1/4"×11.5	32	20	91.5	11.2	86	50
21691-24-20T	1.1/2"×11.5	32	20	91.5	11.2	83.5	55
21691-24-24W	1.1/2"×11.5	40	24	109.4	11.2	101.5	55
21691-32-32W	2"×11.5	50	32	131.8	11.2	124.5	70

NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is21692-XX-XX. 3. Suffix "K" is to order Integrated Hose Fitting



87311



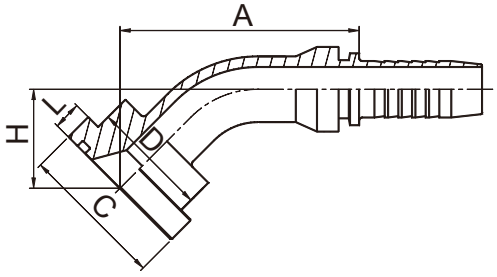
87311-K

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

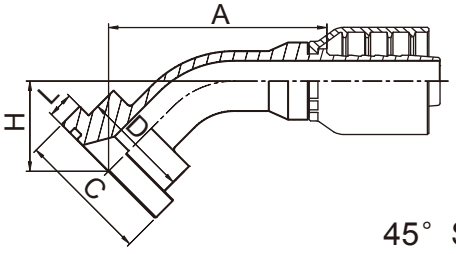
PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	D	L
87311-08-08	1/2"	12	08		46	30.2	24	6.73
87311-12-08	3/4"	12	08		47	38.1	31.7	6.73
87311-12-10	3/4"	16	10		48	38.1	31.7	6.73
87311-12-12	3/4"	20	12		48	38.1	31.7	6.73
87311-12-16	3/4"	25	16		49	38.1	31.7	6.73

87311-16-12	1"	20	12		51	44.4	38	8
87311-16-16	1"	25	16		52	44.4	38	8
87311-16-20	1"	32	20		53	44.4	38	8
87311-20-16	1.1/4"	25	16		57	50.8	43	8
87311-20-20	1.1/4"	32	20		58	50.8	43	8
87311-24-20	1.1/2"	32	20		68	60.3	50	8
87311-24-24	1.1/2"	40	24		68	60.3	50	8
87311-32-24	2"	40	24		70	71.4	62	9.53
87311-32-32	2"	50	32		70	71.4	62	9.53
87311-40-40	2.1/2"	64	40		76	84.1	74	9.53

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87312-xx-xx. 3. Suffix "K" is to order Integrated Hose Fitting



87341

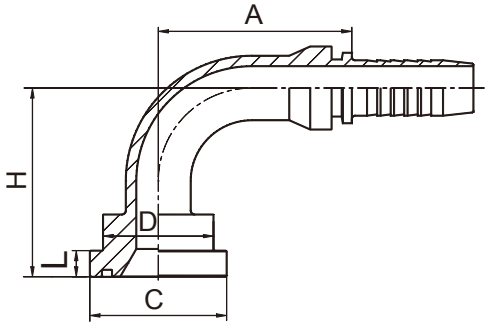


87341-K

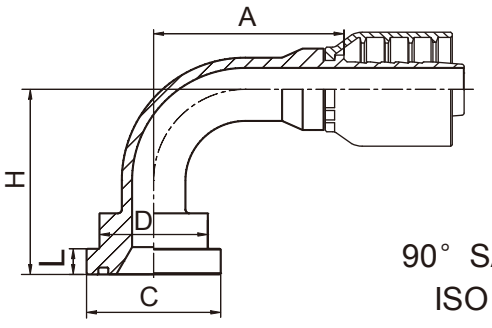
45° SAE FLANGE 3000 PSI
ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
87341-08-08	1/2"	12	08		58.2	30.2	24	23.3	6.73
87341-12-08	3/4"	12	08		58.9	38.1	31.7	24	6.73
87341-12-10	3/4"	16	10		69.6	38.1	31.7	25.3	6.73
87341-12-12	3/4"	20	12		76.3	38.1	31.7	28.9	6.73
87341-16-12	1"	20	12		76.3	44.4	38	28.9	8
87341-16-16	1"	25	16		83.9	44.4	38	29.7	8
87341-16-20	1"	32	20		94.5	44.4	38	33.8	8
87341-20-16	1.1/4"	25	16		85.2	50.8	43	29.7	8
87341-20-20	1.1/4"	32	20		94.5	50.8	43	33.8	8
87341-24-20	1.1/2"	32	20		95.9	60.3	50	35.2	8
87341-24-24	1.1/2"	40	24		109.9	60.3	50	39.1	8
87341-32-24	2"	40	24		109.9	71.4	62	39.1	9.53
87341-32-32	2"	50	32		129.3	71.4	62	46.3	9.53

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87342-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 87341-08-08-SS means stainless steel adaptor.87341-08-08-EE means brass adaptor. 4. Suffix "K" is to order Integrated Hose Fitting



87391

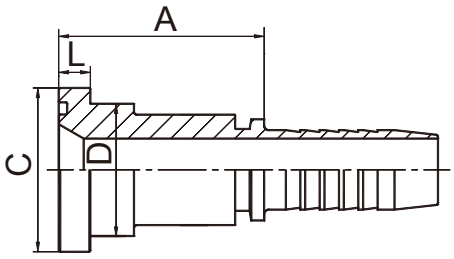


87391-K

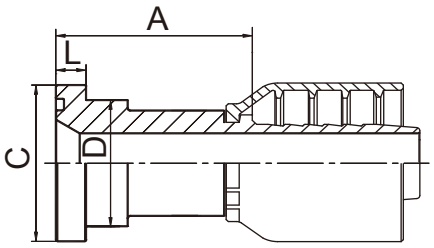
90° SAE FLANGE 3000 PSI
ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
87391-08-08	1/2"	12	08		41	30.2	24	47	6.73
87391-12-08	3/4"	12	08		41	38.1	31.7	48	6.73
87391-12-10	3/4"	16	10		56	38.1	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		76.7	38.1	31.7	67.5	6.73
87391-16-12	1"	20	12		65.5	44.4	38	62	8
87391-16-16	1"	25	16		76.7	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		76.7	50.8	43	67.5	8
87391-20-20	1.1/4"	32	20		91.5	50.8	43	78.5	8
87391-20-24	1.1/4"	40	24		107	50.8	43	78.5	8
87391-24-20	1.1/2"	32	20		91.5	60.3	50	80.5	8
87391-24-24	1.1/2"	40	24		109.4	60.3	50	94	8
87391-32-24	2"	40	24		109.4	71.4	62	94	9.53
87391-32-32	2"	50	32		131.8	71.4	62	114.3	9.53
87391-40-32	2.1/2"	50	32		131.8	84.1	74.4	116.3	9.53

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87392-xx-xx.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 87391-08-08-SS means stainless steel adaptor.87391-08-08-EE means brass adaptor.
4. Suffix “K” is to order Integrated Hose Fitting



87611

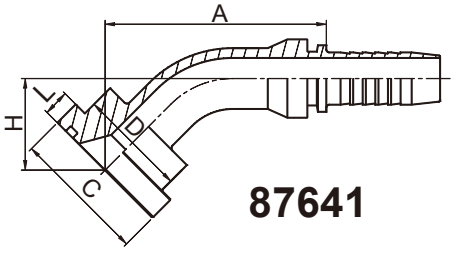


87611-K

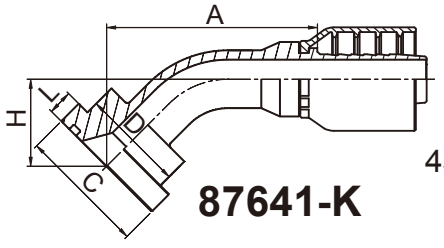
SAE FLANGE 6000 PSI
ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	L	
87611-08-08	1/2"	12	08		47	31.7	24	7.75	
87611-12-10	3/4"	16	10		50.5	41.3	32	8.76	
87611-12-12	3/4"	20	12		51	41.3	32	8.76	
87611-16-12	1"	20	12		56	47.6	38	9.53	
87611-16-16	1"	25	16		57	47.6	38	9.53	
87611-16-20	1"	32	20		61	47.6	38	9.53	
87611-20-16	1.1/4"	25	16		65	54	44	10.29	
87611-20-20	1.1/4"	32	20		66	54	44	10.29	
87611-24-20	1.1/2"	32	20		75	63.5	51	12.57	
87611-24-24	1.1/2"	40	24		75	63.5	51	12.57	
87611-32-24	2"	40	24		85	79.4	67	12.57	
87611-32-32	2"	50	32		85	79.4	67	12.57	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87612-xx-xx. 3. Suffix “K” is to order Integrated Hose Fitting



87641

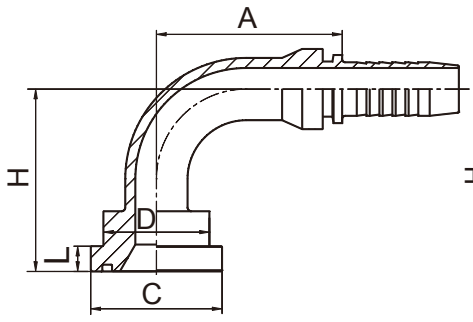


87641-K

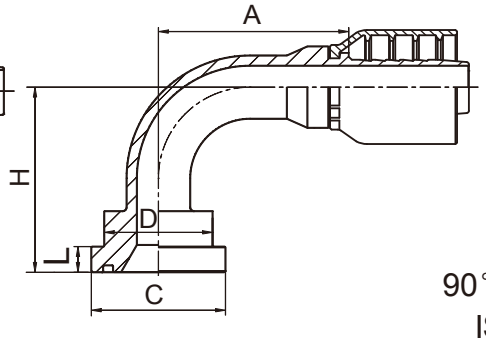
45° SAE FLANGE 6000 PSI
ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
87641-08-08	1/2"	12	08		58.9	31.7	24	24	7.75
87641-08-12	1/2"	20	12		77	31.7	24	29.6	7.75
87641-12-10	3/4"	16	10		72.5	41.3	32	28.2	8.76
87641-12-12	3/4"	20	12		79.2	41.3	32	31.8	8.76
87641-16-16	1"	25	16		88.9	47.6	38	34.7	9.53
87641-20-20	1.1/4"	32	20		102.3	54	44	41.5	10.29
87641-24-20	1.1/2"	32	20		105.8	63.5	51	45.1	12.57
87641-24-24	1.1/2"	40	24		119.8	63.5	51	49	12.57
87641-32-24	2"	40	24		125.4	79.4	67	54.7	12.57
87641-32-32	2"	50	32		144.8	79.4	67	61.9	12.57

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87642-xx-xx. 3. Suffix “K” is to order Integrated Hose Fitting



87691

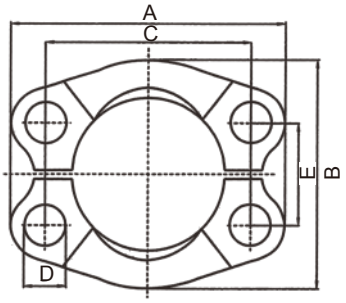


87691-K

90° SAE FLANGE 6000 PSI
ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	D	H	L
87691-08-08	1/2"	12	08		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	74.5	9.53
87691-16-20	1"	32	20		91.5	47.6	38	85.5	9.53
87691-20-16	1.1/4"	25	16		76.7	54	44	78.5	10.29
87691-20-20	1.1/4"	32	20		91.5	54	44	89.5	10.29
87691-24-20	1.1/2"	32	20		91.5	63.5	51	94.5	12.57
87691-24-24	1.1/2"	40	24		109.4	63.5	51	108	12.57
87691-32-24	2"	40	24		109.4	79.4	67	116	12.57
87691-32-32	2"	50	32		131.8	79.4	67	136.3	12.57

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 87692-xx-xx. 3. Suffix "K" is to order Integrated Hose Fitting

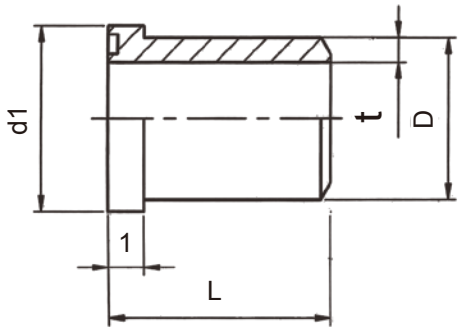


FL

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

PART NO.	FLANGE SIZE	DIMENSIONS					BOLT	MPa
		A	B	C	D	E		
FL-08	1/2"	53.8	46.1	38.1	9	17.5	M8X25	34.5
FL-12	3/4"	65	52.4	47.6	11	22.2	M10X30	
FL-16	1"	69.9	58.7	52.4	11	26.2	M10X30	
FL-20	1.1/4"	79.2	73	58.7	11	30.2	M10X30	27.6
FL-24	1.1/2"	93.7	82.6	69.9	13.5	35.7	M12X35	20.7
FL-32	2"	101.6	96.8	77.8	13.5	42.9	M12X35	
FL-40	2.1/2"	114	109	88.9	13.5	50.8	M12X40	10

Note:Bolt should be ordered another.

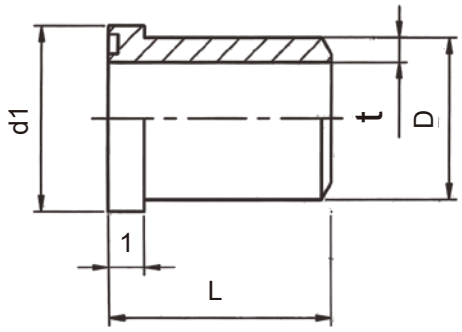


1FSW

S-SERIES FLANGE ISO 6162-2, WELD TUBE

PART NO.	FLANGE SIZE	Dxt	DIMENSIONS				MPa
			d1	D	I	L	
1FSW-08-16X2	1/2"	16X2	31.7	16	7.8	34	40
1FSW-08-20X2.5	1/2"	20X2.5		20			
1FSW-12-16X2	3/4"	16X2	41.3	16	8.8	38	
1FSW-12-20X2.5	3/4"	20X2.5		20			
1FSW-12-25X4	3/4"	25X4		25			
1FSW-16-25X3	1"	25X3	47.6	25	9.5	40	
1FSW-16-30X4	1"	30X4		30			
1FSW-16-38X5	1"	38X5		38			
1FSW-20-25X3	1.1/4"	25X3	54	25	10.3	45	
1FSW-20-30X4	1.1/4"	30X4		30			
1FSW-20-38X5	1.1/4"	38X5		38			
1FSW-20-42X6	1.1/4"	42X6		42			
1FSW-24-38X5	1.1/2"	38X5	63.5	38	12.6	50	
1FSW-24-45X6.5	1.1/2"	45X6.5		45			
1FSW-24-48X8	1.1/2"	48X8		48			
1FSW-24-50X8	1.1/2"	50X8		50			
1FSW-32-60X8	2"	60X8	79.4	60	12.6	58	
1FSW-32-60X10	2"	60X10		60			

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 1FSW-08-16X2-SS means stainless steel adaptor.1FSW-08-16X2-EE means brass adaptor.

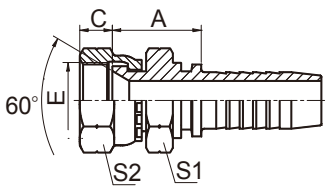


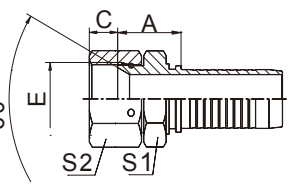
1FLW

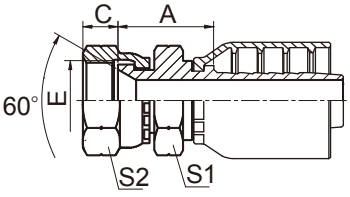
L-SERIES FLANGE ISO 6162-1 / WELD TUBE

PART NO.	FLANGE SIZE	Dxt	DIMENSIONS				MPa
			d1	D	l	L	
1FLW-08-16X2	1/2"	16X2	30.2	16	6.8	41	34.5
1FLW-08-20X2.5	1/2"	20X2.5		20			
1FLW-12-25X3	3/4"	25X3	38.1	25	6.8	50	
1FLW-16-25X3	1"	25X3	44.4	25	8	50	
1FLW-16-28X3	1"	28X3		28			
1FLW-16-30X4	1"	30X4		30			
1FLW-16-38X5	1"	38X5		38			
1FLW-20-25X3	1.1/4"	25X3	50.8	25	8	55	27.6
1FLW-20-30X4	1.1/4"	30X4		30			
1FLW-20-38X5	1.1/4"	38X5		38			
1FLW-20-42X6	1.1/4"	42X6		42		46	
1FLW-24-38X4	1.1/2"	38X4	60.3	38	8	57	20.7
1FLW-24-42X5	1.1/2"	42X5		42			
1FLW-24-45X5	1.1/2"	45X5		45			
1FLW-24-50X6	1.1/2"	50X6		50			
1FLW-32-55X5	2"	55X5	71.4	55	9.6	57	
1FLW-32-60X8	2"	60X8		60			
1FLW-40-65X6	2.1/2"	65X6	84.1	65	9.6	58	17.2
1FLW-40-70X7.5	2.1/2"	70X7.5		70			
1FLW-48-80X6	3"	80X6	101.6	80	9.6	58	13.8
1FLW-48-90X8	3"	90X8		90			

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 1FLW-08-16X2-SS means stainless steel adaptor.1FLW-08-16X2-EE means brass adaptor.





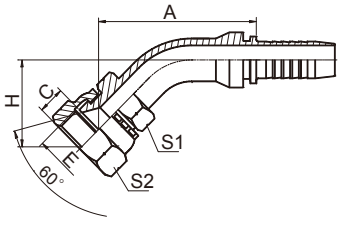


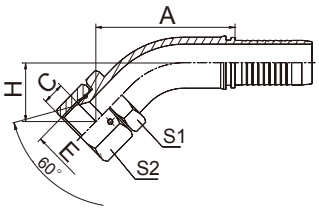
JIS GAS FEMALE 60°
CONE SEAL
JIS B8363

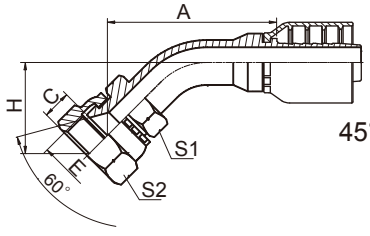
29611 **29611-W** **29611-K**

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S1	S2
29611-02-03	G1/8"X28	5	03		20	7	14	14
29611-04-04	G1/4"X19	6	04		21	8	19	19
29611-04-05	G1/4"X19	8	05		21	8	19	19
29611-06-04	G3/8"X19	6	04		23	9	22	22
29611-06-06	G3/8"X19	10	06		23	9	22	22
29611-08-06	G1/2"X14	10	06		28	12	27	27
29611-08-08	G1/2"X14	12	08		26.5	12	27	27
29611-10-10	G5/8"X14	16	10		30.5	11.5	30	30
29611-12-10	G3/4"X14	16	10		30	13.5	32	32
29611-12-12	G3/4"X14	20	12		30.5	13.5	32	32
29611-16-16	G1"X11	25	16		32	16	41	41
29611-20-20W	G1.1/4"X11	32	20		43	18.5	50	50
29611-24-24W	G1.1/2"X11	40	24		43.5	19	55	55
29611-32-32W	G2"X11	50	32		46.5	23	70	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 29612-xx-xx. 3. Suffix "K" is to order Integrated Hose Fitting





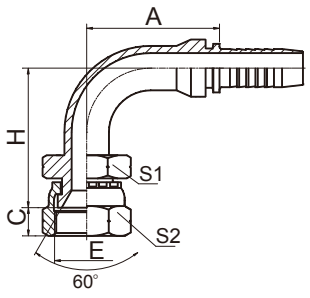


45° JIS GAS FEMALE
60° CONE SEAL
JIS B8363

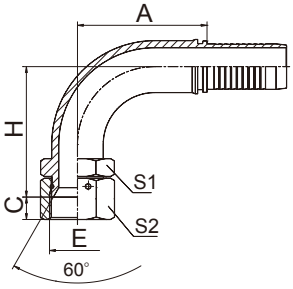
29641 **29641-W** **29641-K**

PART NO.	THREAD E	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	H	S1	S2
29641-04-04	G1/4"X19	6	04		43.4	8	21.3	19	19
29641-06-06	G3/8"X19	10	06		48.9	9	24.6	22	22
29641-08-08	G1/2"X14	12	08		63.5	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	36.1	41	41
29641-20-20W	G1.1/4"X11	32	20		104.4	18.5	43.7	50	50
29641-24-24W	G1.1/2"X11	40	24		121.5	19	50.8	55	55
29641-32-32W	G2"X11	50	32		140.6	23	57.6	70	70

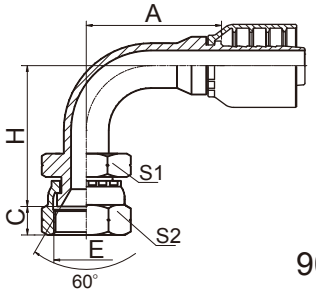
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 29642-xx-xx. 3. Suffix "K" is to order Integrated Hose Fitting



29691



29691-W

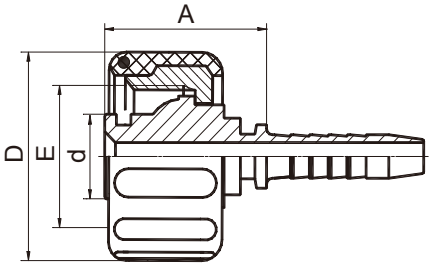


29691-K

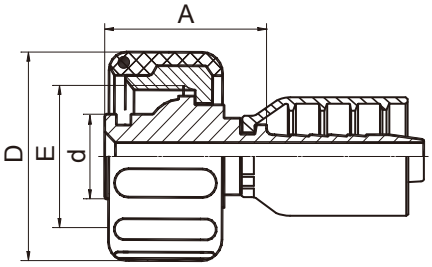
90° JIS GAS FEMALE 60° CONE SEAL
JIS B8363

PART NO.	THREAD E	HOSE BORE			DIMENSIONS				
		DN	DASH		A	C	H	S1	S2
29691-04-04	G1/4"X19	6	04		30	8	38	19	19
29691-04-05	G1/4"X19	8	05		34	8	41	19	19
29691-06-06	G3/8"X19	10	06		35.6	9	45.8	22	22
29691-08-08	G1/2"X14	12	08		41	12	53	27	27
29691-10-10	G5/8"X14	16	10		56.5	11.5	61	30	30
29691-12-12	G3/4"X14	20	12		65.5	13.5	69	32	32
29691-16-16	G1"X11	25	16		76.7	16	76.5	41	41
29691-20-20W	G1.1/4"X11	32	20		91.5	18.5	92.5	50	50
29691-24-24W	G1.1/2'X11	40	24		109.4	19	110.5	55	55
29691-32-32W	G2"X11	50	32		131.8	23	133.8	70	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 29692-xx-xx. 3. Suffix “K” is to order Integrated Hose Fitting



20011-T

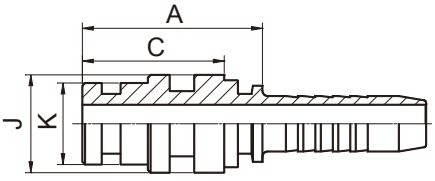


20011-T-K

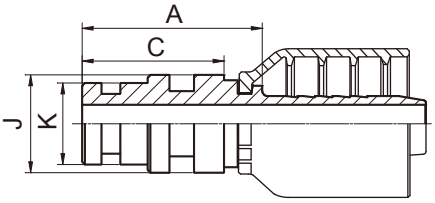
METRIC FEMALE WATER WASH INSER

PART NO.	THREAD E	HOSE BORE		O RING	DIMENSIONS		
		DN	DASH		A	d	D
20011-22-04T	M22X1.5	6	04	O10.0X2.0	25	14	34.5
20011-22-05T	M22X1.5	8	05	O10.0X2.0	32.7	14	34.5
20011-22-06T	M22×1.5	10	08	O10.0X2.0	28	14	34.5

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 20011-22-04T-SS means stainless steel adaptor.20011-22-04T-EE means brass adaptor.
Suffix “K” is to order Integrated Hose Fitting



60011

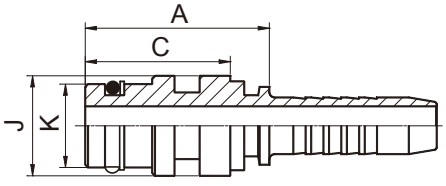


60011-K

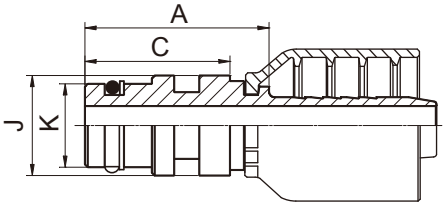
MT STAPLELOK MALE

PART NO.	HOSE BORE		DIMENSIONS			
	DN	DASH	A	C	J	K
60011-04-04	6	04	31	25	15	11
60011-05-05	8	05	33.5	26	18	13
60011-06-06	10	06	33	26	18	15
60011-08-06	10	06	33.5	26	22	18
60011-08-08	12	08	34	26	22	18
60011-10-10	16	10	39	30	25	20
60011-12-12	20	12	40.5	31	28	24
60011-16-14	22	14	41	31	35	30
60011-16-16	25	16	42	31	35	30

NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is60012-XX-XX. 3. Suffix “K” is to order Integrated Hose Fitting



67011

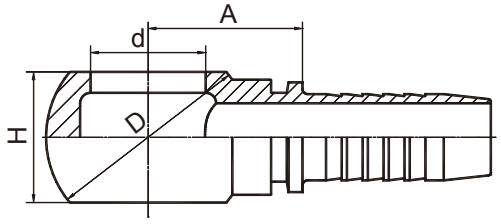


67011-K

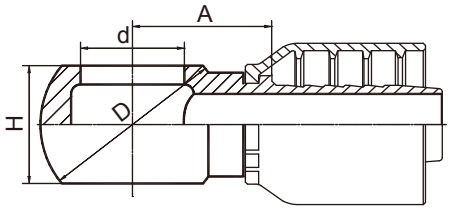
SAE STAPLELOK MALE
SAE J1467

PART NO.	HOSE BORE		O RING	DIMENSIONS			
	DN	DASH		A	C	J	K
67011-04-04	6	04	O06.0×2.0	34	28	14.9	9.9
67011-06-06	10	06	O10.0×2.0	35	28	19.9	13.9
67011-08-08	12	08	O13.0×2.5	36	28	23.9	17.9
67011-12-12	20	12	O19.0×2.5	37.5	28	28.9	23.9
67011-16-16	25	16	O25.0×2.5	44	33	38.8	30.9
67011-20-20	32	20	O33.0×2.5	44	33	45.9	37.9
67011-24-24	40	24	O40.0×3.0	47.5	36.3	54.9	46.9
67011-32-32	50	32	O50.0×3.0	47.5	36.3	63.9	55.9

NOTE: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 67012-XX-XX.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 67011-04-04-SS means stainless steel adaptor.67011-04-04-EE means brass adaptor.
4. Suffix “K” is to order Integrated Hose Fitting



70011

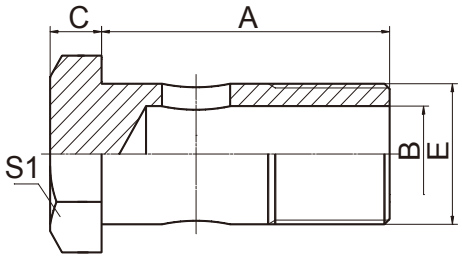


70011-K

METRIC BANJO
DIN 7642

PART NO.	BOLT	HOSE BORE			DIMENSIONS			
		DN	DASH		A	d	D	H
70011-10-03	M10X1	5	03		14.5	10.1	17	10
70011-10-04	M10X1	6	04		17	10.1	17	10
70011-12-04	M12X1.5	6	04		20.5	12.1	20	12
70011-12-05	M12X1.5	8	05		20.5	12.1	20	12
70011-12-06	M12X1.5	10	06		20.5	12.1	20	12
70011-14-04	M14X1.5	6	04		19	14.1	24	14
70011-14-05	M14X1.5	8	05		19	14.1	24	14
70011-14-06	M14X1.5	10	06		21	14.1	24	14
70011-16-04	M16X1.5	6	04		20.5	16.1	28	16
70011-16-05	M16X1.5	8	05		20.5	16.1	28	16
70011-16-06	M16X1.5	10	06		20.5	16.1	28	16
70011-18-04	M18X1.5	6	04		23	18.1	32	20
70011-18-05	M18X1.5	8	05		24	18.1	32	20
70011-18-06	M18X1.5	10	06		24	18.1	32	20
70011-18-08	M18X1.5	12	08		24.5	18.1	32	20
70011-22-06	M22X1.5	10	06		28.1	22.1	39	25
70011-22-08	M22X1.5	12	08		28.5	22.1	39	25
70011-22-10	M22X1.5	16	10		27.5	22.1	39	25
70011-26-12	M26X1.5	20	12		30.5	26.1	46	30
70011-30-16	M30X1.5	25	16		37	30.1	54	36
70011-30-20	M30X1.5	32	20		41	30.1	54	36

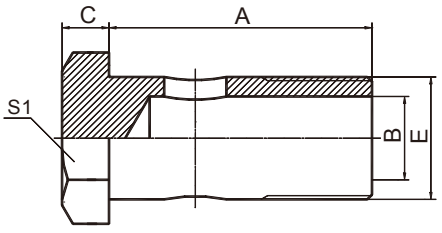
Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is70012-xx-xx. 3. Suffix “K” is to order Integrated Hose Fitting



720B

BSP BOLT

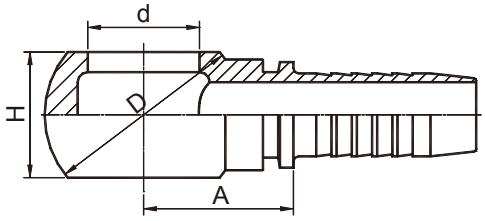
PART NO.	THREAD E			DIMENSIONS				
				A	B	C	S1	
720B-02	G1/8"X28			29.5	4.8	4.8	14	
720B-04	G1/4"X19			28.5	6	6	19	
720B-06	G3/8"X19			38.5	9	7	22	
720B-08	G1/2"X14			44	13	8.5	27	
720B-10	G5/8"X14			48.5	15	10	30	
720B-12	G3/4"X14			56	18	10	32	
720B-16	G1"X11			68.5	22	13	41	



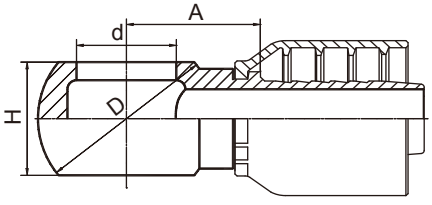
700M

METRIC BOLT
DIN 7643

PART NO.	THREAD E			DIMENSIONS			
				A	B	C	S1
700M-10	M10X1			19	4	6	17
700M-12	M12X1.5			24	6	6	17
700M-14	M14X1.5			26	8	7	19
700M-16	M16X1.5			28	9	7.5	22
700M-18	M18X1.5			32	11	8	24
700M-22	M22X1.5			39	14	9	27
700M-26	M26X1.5			45	18	10	32
700M-30	M30X1.5			51	24	11	38



72011

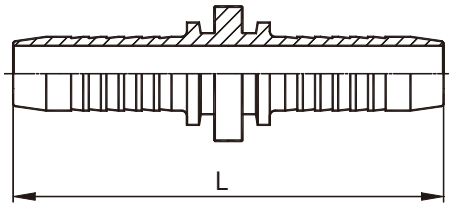


72011-K

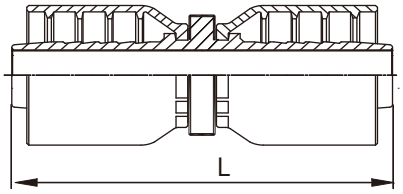
BSP BANJO

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	d	D	H
72011-02-03	G1/8"X28	5	03		18	9.9	24	16
72011-02-04	G1/8"X28	6	04		18.5	9.9	24	16
72011-04-03	G1/4"X19	5	03		19	13.3	24	15
72011-04-04	G1/4"X19	6	04		19.5	13.3	24	15
72011-04-05	G1/4"X19	8	05		19.5	13.3	24	15
72011-04-06	G1/4"X19	10	06		19.5	13.3	24	15
72011-06-04	G3/8"X19	6	04		22	16.7	29	20
72011-06-05	G3/8"X19	8	05		22	16.7	29	20
72011-06-06	G3/8"X19	10	06		22	16.7	29	20
72011-06-08	G3/8"X19	12	08		23	16.7	29	20
72011-08-05	G1/2"X14	8	05		27.5	21	38	25
72011-08-06	G1/2"X14	10	06		27.5	21	38	25
72011-08-08	G1/2"X14	12	08		28	21	38	25
72011-08-10	G1/2"X14	16	10		29	21	38	25
72011-10-10	G5/8"X14	16	10		28	23	40	27
72011-12-10	G3/4"X14	16	10		32	26.5	48	31
72011-12-12	G3/4"X14	20	12		32	26.5	48	31
72011-16-08	G1"X11	12	08		40	33.3	60	42
72011-16-12	G1"X11	20	12		40	33.3	60	42
72011-16-16	G1"X11	25	16		41	33.3	60	42

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 72012-xx-xx.
3. Suffix “K” is to order Integrated Hose Fitting



90011

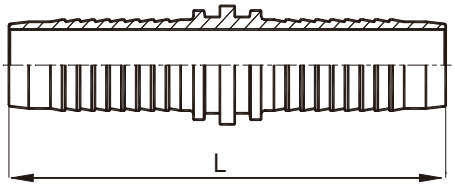


90011-K

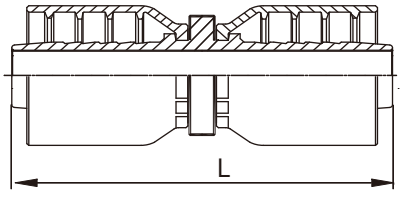
DOUBLE CONNECTOR

PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
90011-04		6	04			69	
90011-05		8	05			69	
90011-06		10	06			73	
90011-08		12	08			77	
90011-10		16	10			83	
90011-12		20	12			93	
90011-16		25	16			114	
90011-20		32	20			132	
90011-24		40	24			162	
90011-32		50	32			170	

Note:For wire braid hose. Suffix “K” is to order Integrated Hose Fitting



90012

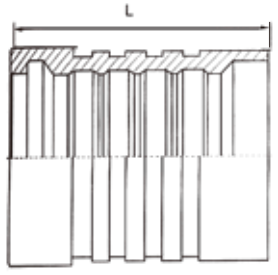


90012-K

DOUBLE CONNECTOR

PART NO.		HOSE BORE			DIMENSIONS		
		DN	DASH			L	
90012-04		6	04			83	
90012-05		8	05			87	
90012-06		10	06			87	
90012-08		12	08			91	
90012-10		16	10			97	
90012-12		20	12			110	
90012-16		25	16			134	
90012-20		32	20			153	
90012-24		40	24			172	
90012-32		50	32			178	

Note:For sprial hose. Suffix “K” is to order Integrated Hose Fitting

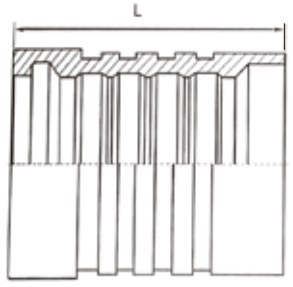


00621

INTERLOCK FERRULE FOR GB/T 10544 R13 /SAE 100R13/En856 R13 HOSE

PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00621-12	20	12	53
00621-16	25	16	66
00621-20	32	20	88.5
00621-24	40	24	102
00621-32	50	32	108

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 00621-12-SS means stainless steel adaptor.00621-12-EE means brass adaptor.

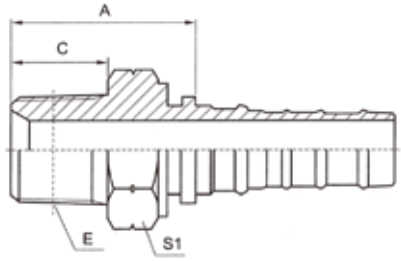


00621-R15

INTERLOCK FERRULE FOR GB/T 10544 R15 /SAE 100R15/En856 R15 HOSE

PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00621-06(R15)	10	06	40
00621-08(R15)	12	08	42
00621-12(R15)	20	12	53
00621-16(R15)	25	16	66
00621-20(R15)	32	20	88.5
00621-24(R15)	40	24	102

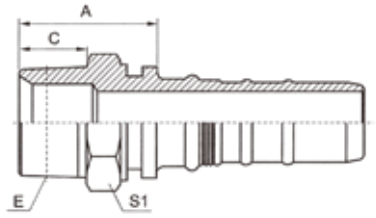
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 00621-06(R15)-SS means stainless steel adaptor. 00621-06(R15)-EE means brass adaptor.



13013-SP

BSPT MALE

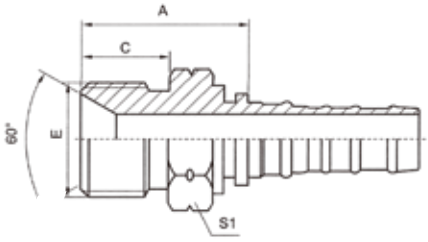
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
13013-12-12SP	R3/4"X14	20	12	37.5	19.5	30
13013-16-16SP	R1/"X11.5	25	16	45.9	25.5	38
13013-20-20SP	R1.1/4"X11	32	20	51.3	26.5	46
13013-24-24SP	R1.1/2"X11	40	24	54.2	26.5	50
13013-32-32SP	R2"X11	50	32	56.5	30	65



15613

NPT MALE

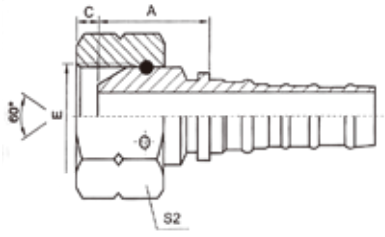
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
15613-12-12	Z3/4"X14	20	12	37.5	19.5	30
15613-16-16	Z1/"X11.5	25	16	45.9	25.5	38
15613-20-20	Z1.1/4"X11.5	32	20	51.3	26.5	46
15613-24-24	Z1.1/2"X11.5	40	24	54.2	27.5	50
15613-32-32	Z2"X11.5	50	32	56.5	27.5	65



12613

BSP MALE 60° CONE SEAL 7

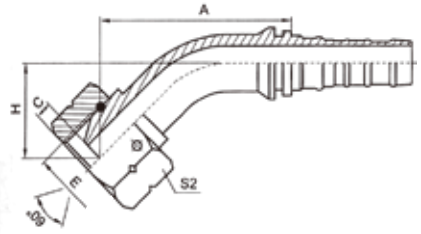
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
12613-12-12	G3/4"X14	20	12	37.5	18.5	30
12613-16-16	G1/"X11	25	16	41	20.5	36
12613-20-20	G1.1/4"X11	32	20	45.3	20.5	46
12613-24-24	G1.1/2"X11	40	24	49.7	23	50
12613-32-32	G2"X11	50	32	52	25.5	65



22613-W

BSP FEMALE 60° CONE

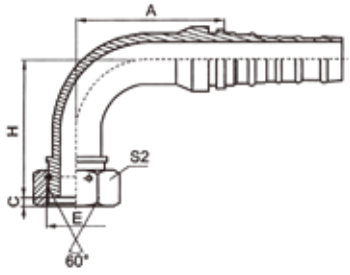
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
22613-12-12W	G3/4"X14	20	12	26.5	10.9	32
22613-16-16W	G1/"X11	25	16	30.4	11.7	41
22613-20-20W	G1.1/4"X11	32	20	35.8	11	50
22613-24-24W	G1.1/2"X11	40	24	36.7	14	55
22613-32-32W	G2"X11	50	32	36.5	16	70



22643-W

45° BSP FEMALE 60° CONE

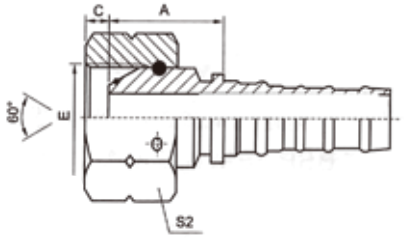
PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
22643-12-12W	G3/4"X14	20	12	88.3	10.9	32.5	32
22643-16-16W	G1/"X11	25	16	99.3	11.7	32.5	41
22643-20-20W	G1.1/4"X11	32	20	112.9	11	37.9	50
22643-24-24W	G1.1/2"X11	40	24	131	13	45.5	55
22643-32-32W	G2"X11	50	32	154.7	16	52.7	70



22693-W

90° BSP FEMALE 60° CONE

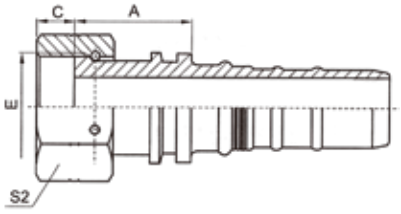
PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
22693-12-12W	G3/4"X14	20	12	73.8	10.9	67.1	32
22693-16-16W	G1/"X11	25	16	91.9	11.7	72	41
22693-20-20W	G1.1/4"X11	32	20	105.8	11	88.3	50
22693-24-24W	G1.1/2"X11	40	24	124.2	13.5	103	55
22693-32-32W	G2"X11	50	32	148.8.	16	123.3	70



22613-ORW

BSP FEMALE 60° CONE O-RING
REF. BS 5200

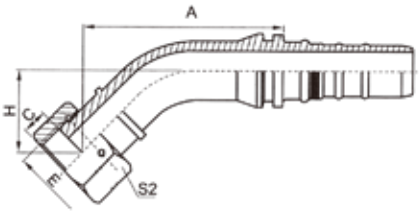
PART NO.	THREAD E	HOSE BORE		O RINGE	DIMENSIONS		
		DN	DASH		A	C	S2
22613-12-12ORW	G3/4"X14	20	12	O171	26.5	10.9	32
22613-16-16ORW	G1/"X11	25	16	O221	30.4	11.7	41
22613-20-20ORW	G1.1/4"X11	32	20	O291	35.8	11	50
22613-24-24ORW	G1.1/2"X11	40	24	O351	36.7	14	55



24213-W

ORFS FEMALE FLAT SEAT
ISO 12151-1------SAE J516

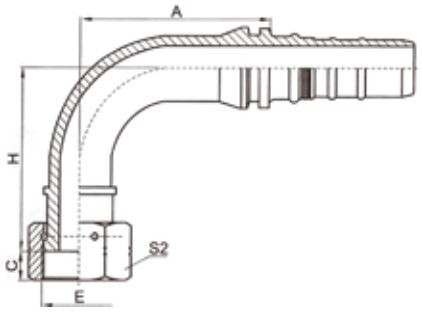
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
24213-12-12W	1.3/16"X12	20	12	41	15	36
24213-16-16W	1.7/16"X12	25	16	44.4	15	41
24213-20-20W	1.1/16"X12	32	20	47.8	15	50
24213-24-24W	2"X12	40	24	48.2	14.8	60



24243-W

45° ORFS FEMALE FLAT SEAL
ISO 12151-1------SAE J516

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		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"X11	40	24	138.2	14.8	53.6	60

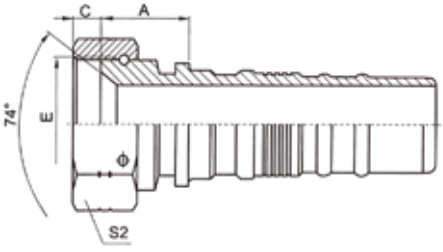


24293-W

90° ORFS FEMALE FLAT SEAL
ISO 12151-1------SAE J516

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
24293-12-12W	1.3/16"X12	20	12	73.8	15	80.5	36
24293-16-16W	1.7/16"X12	25	16	88.9	15	88.5	41
24293-20-20W	1.11/16"X12	32	20	105.8	15	100	50
24293-24-24W	2"X11	40	24	123.2	14.8	114.5	60

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 24293-12-12W-SS means stainless steel adaptor. 24293-12-12W-EE means brass adaptor.

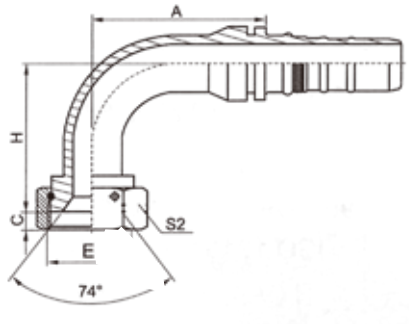


26713-W

JIC FEMALE 74° CONE SEAL
SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
26713-12-12W	1 .1/16"X12	20	12	26.5	15	32
26713-16-16W	1.5/16"X12	25	16	29.4	16	41
26713-20-20W	1.5/8"X12	32	20	32.3	17	50
26713-24-24W	1.7/8"X12	40	24	35.2	20	60
26713-32-32W	2.1/2"X12	50	32	34.5	23.5	75

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 26713-12-12W-SS means stainless steel adaptor. 26713-12-12W-EE means brass adaptor.

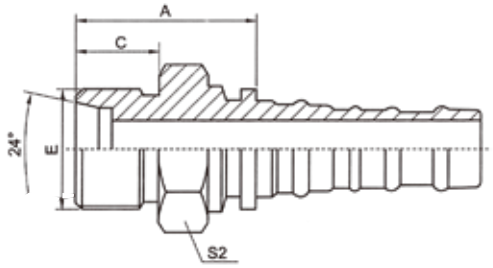


26793-W

90° JIC FEMALE 74° CONE SEAL
SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
26793-12-12W	1.1/16"X12	20	12	73.8	15	64.5	32
26793-16-16W	1.5/16"X12	25	16	88.9	16	72.5	41
26793-20-20W	1.5/8"X11	32	20	105.8	17	81.5	50
26793-24-24W	1.7/8"X12	40	24	124.2	20	101	55
26793-32-32W	2.1/2"X12	50	32	150.3	23.5	121.3	75

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 26793-12-12W-SS means stainless steel adaptor. 26793-12-12W-EE means brass adaptor.

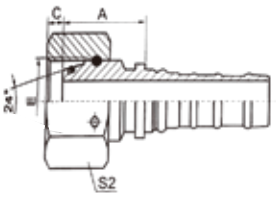


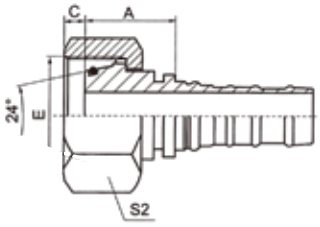
10513

METRIC MALE 24° CONE SEAL H.T.
ISO 8434-1……DIN 3861

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		A	C	S2
10513-36-12	M36X2	20	12	25	43.5	20	38
10513-42-16	M42X2	25	16	30	46.4	20	46
10513-52-20	M52X2	32	20	38	52.8	22	55

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 10513-36-12-SS means stainless steel adaptor. 10513-36-12-EE means brass adaptor.



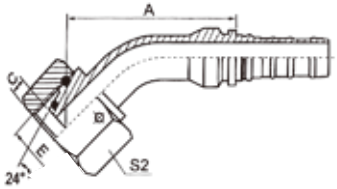


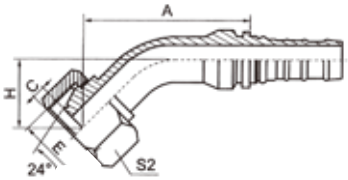
METRIC FEMALE 24° CONE O-RING H.T.
ISO 12151-2------DIN 3865

20513-W **20513-T**

PART NO.	THREAD E	HOSE BORE		TUBEO. D.	O RING	DIMENSIONS		
		DN	DASH			A	C	S2
20513-30-12W	M30X2	20	12	20	O16.3X2.4	30	3	36
20513-36-12T	M36X2	20	12	25	O20.3X2.4	38.5	3	41
20513-36-16W	M36X2	25	16	25	O20.3X2.4	31.9	3	41
20513-42-12T	M42X2	20	12	30	O25.3X2.4	42	5	50
20513-42-16W	M42X2	25	16	30	O25.3X2.4	33.4	5	50
20513-42-20W	M42X2	32	20	30	O25.3X2.4	38.8	5	50
20513-52-20T	M52X2	32	20	38	O33.3X2.4	45.3	6.5	60
20513-52-24W	M52X2	40	24	38	O33.3X2.4	38.2	6.5	60

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 20513-30-12W-SS means stainless steel adaptor. 20513-30-12W--EE means brass adaptor.



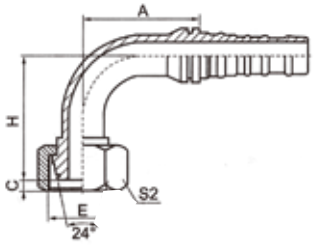


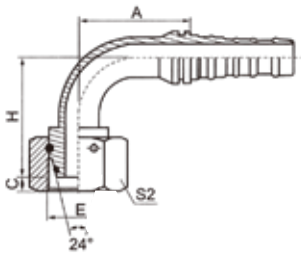
45° METRIC FEMALE 24° CONE O-RING H.T.
ISO 12151-2------DIN 3865

20543-W **20543-T**

PART NO.	THREAD E	HOSE BORE		TUBEO. D.	O RING	DIMENSIONS			
		DN	DASH			A	C	H	S2
20543-36-12T	M36X2	20	12	25	O20.3X2.4	89.4	3	33	41
20543-42-16W	M42X2	25	16	30	O25.3X2.4	102.3	5	35.9	50
20543-52-20T	M52X2	32	20	38	O33.3×2.4	114.5	6.5	39.4	60

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 20543-36-12T-SS means stainless steel adaptor. 20543-36-12T--EE means brass adaptor.



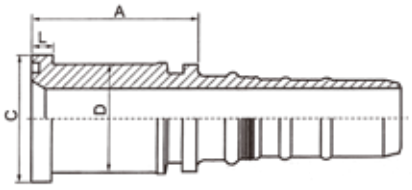


90° METRIC FEMALE 24° CONE O-RING
ISO 12151-2------DIN 3865

20593-T **20593-W**

PART NO.	THREAD E	HOSE BORE		TUBEO. D.	O RING	DIMENSIONS			
		DN	DASH			A	C	H	S2
20593-36-12T	M36X2	20	12	25	020.3X2.4	74.5	3.2	67.8	46
20593-36-16W	M36X2	25	16	25	020.3X2.4	88.9	3.2	79.5	46
20593-42-16W	M42X2	25	16	30	025.3X2.4	88.9	5	80.5	50
20593-42-20W	M42X2	32	20	30	025.3X2.4	105.8	5	91.5	50
20593-52-20T	M52×2	32	20	38	033.3X2.4	105.8	6.5	86.5	60
20593-52-24W	M52X2	40	24	38	033.3X2.4	124.2	6.5	104.5	60

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 20593-36-12T-SS means stainless steel adaptor. 20593-36-12T--EE means brass adaptor.

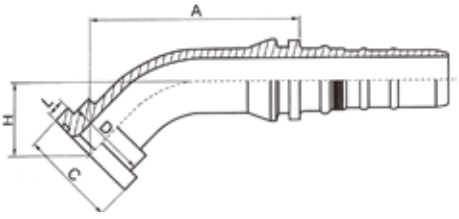


87313

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

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
87313-12-12	3/4"	20	12	50	38.1	31.7	6.73
87313-16-12	1"	20	12	54	44.4	38	8
87313-16-16	1"	25	16	54.4	44.4	38	8
87313-20-16	1.1/4"	25	16	59.4	50.8	43	8
87313-20-20	1.1/4"	32	20	65.8	50.8	43	8
87313-24-20	1.1/2"	32	20	71.8	60.3	50	8
87.313-24-24	1.1/2"	40	24	72.2	60.3	50	8
87313-32-24	2"	40	24	74.2	71.4	62	9.53
87313-32-32	2"	50	32	78.5	71.4	62	9.53

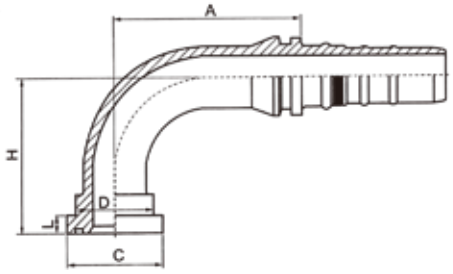
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 87313-12-12-SS means stainless steel adaptor. 87313-12-12-EE means brass adaptor.



87343

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

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87343-12-12	3/4"	20	12	85.8	38.1	31.7	28.9	6.73
87343-16-12	1"	20	12	85.8	44.4	38	28.9	8
87343-16-16	1"	25	16	96.1	44.4	38	29.7	8
87343-20-16	1.1/4"	25	16	96.1	50.8	43	29.7	8
87343-20-20	1.1/4"	32	20	108.8	50.8	43	33.8	8
87343-24-20	1.1/2"	32	20	110.2	60.3	50	35.2	8
87343-24-24	1.1/2"	40	24	123.7	60.3	50	39.1	8
87343-32-24	2"	40	24	123.7	71.4	62	39.1	9.53
87343-32-32	2"	50	32	148.3	71.4	62	46.3	9.53

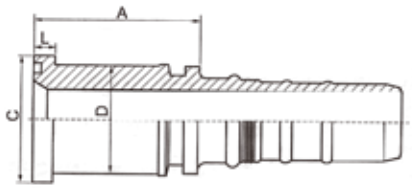


87393

90° SAE FLANGE 3000 PSI
ISO 12151-3------SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87393-12-12	3/4"	20	12	75	38.1	31.7	62	6.73
87393-16-12	1"	20	12	75	44.4	38	62	8
87393-16-16	1"	25	16	88.9	44.4	38	67.5	8
87393-20-16	1.1/4"	25	16	88.9	50.8	43	67.5	8
87393-20-20	1.1/4"	32	20	105.8	50.8	43	78.5	8
87393-24-20	1.1/2"	32	20	105.8	60.3	50	80.5	8
87393-24-24	1.1/2"	40	24	123.2	60.3	50	94	8
87393-32-24	2"	40	24	132.2	71.4	62	94	9.53
87393-32-32	2"	50	32	150.3	71.4	62	114.3	9.53

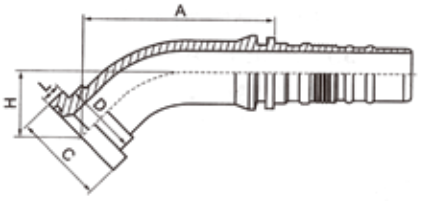
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 87393-12-12-SS means stainless steel adaptor. 87393-12-12-EE means brass adaptor.



87613

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

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	D	L
87613-12-12	3/4"	20	12	53	41.3	32	8.78
87613-16-12	1"	20	12	58	47.6	38	9.53
87613-16-16	1"	25	16	59.4	47.6	38	9.53
87613-20-16	1.1/4"	25	16	67.4	54	44	10.29
87613-20-20	1.1/4"	32	20	69.8	54	44	10.29
87613-20-24	1.1/4"	40	24	74.7	54	44	10.29
87613-24-20	1.1/2"	32	20	78.8	63.5	51	12.57
87613-24-24	1.1/2"	40	24	78.7	63.5	51	12.57
87613-32-24	2"	40	24	91.2	79.4	67	12.57
87613-32-32	2"	50	32	91	79.4	67	12.57

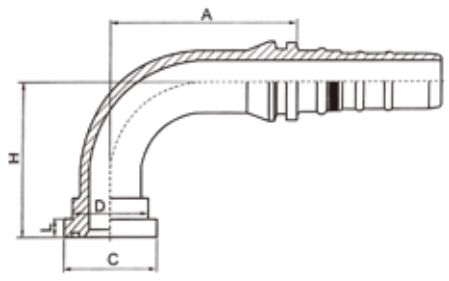


87643

45° SAE FLANGE 6000 PSI
ISO 12151-3------SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	D	L
87643-12-12	3/4"	20	12	88.7	41.3	32	8.76
87643-16-12	1"	20	12	90.8	47.6	38	9.53
87643-16-16	1"	25	16	101.1	47.6	38	9.53
87643-20-16	1.1/4"	25	16	103.9	54	44	10.29
87643-20-20	1.1/4"	32	20	116.6	54	44	10.29
87643-24-20	1.1/2"	32	20	120.1	63.5	51	12.57
87643-24-24	1.1/2"	40	24	134.6	63.5	51	12.57
87643-32-24	2"	40	24	140.2	79.4	67	12.57
87643-32-32	2"	50	32	163.3	79.4	67	12.57

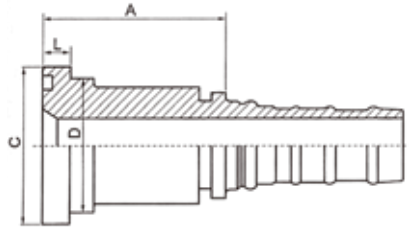
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 87643-12-12-SS means stainless steel adaptor. 87643-12-12-EE means brass adaptor.



87693

90° SAE FLANGE 6000 PSI
ISO 12151-3------SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	D	L
87693-12-12	3/4"	20	12	75	41.3	32	8.76
87693-16-12	1"	20	12	75	47.6	38	9.53
87693-16-16	1"	25	16	88.9	47.6	38	9.53
87693-20-16	1.1/4"	25	16	88.9	54	44	10.29
87693-20-20	1.1/4"	32	20	105.8	54	44	10.29
87693-24-20	1.1/2"	32	20	105.8	63.5	51	12.57
87693-24-24	1.1/2"	40	24	124.2	63.5	51	12.57
87693-32-24	2"	40	24	124.2	79.4	67	12.57
87693-32-32	2"	50	32	150.3	79.4	67	12.57

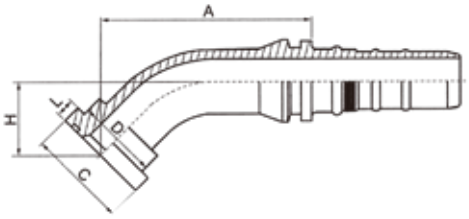


87913

SAE FLANGE 9000 PSI

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	D	L
87913-12-12	3/4"	20	12	58.5	41.3	31.7	14.3
87913-16-12	1"	20	12	63	47.6	38	14.3
87913-16-16	1"	25	16	64.4	47.6	38	14.3
87913-20-16	1.1/4"	25	16	66.8	54	43	14.3
87913-20-20	1.1/4"	32	20	73.8	54	43	14.3
87913-24-20	1.1/2"	32	20	80.6	63.5	50.8	14.3
87913-24-24	1.1/2"	40	24	80.7	63.5	50.8	14.3

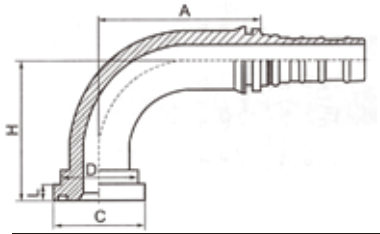
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 87913-12-12-SS means stainless steel adaptor. 87913-12-12-EE means brass adaptor.



87943

45° SAE FLANGE 9000 PSI

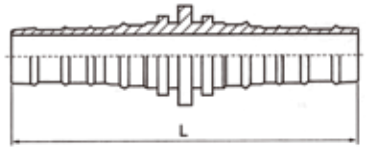
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87943-12-12	3/4"	20	12	92.6	41.3	31.7	35.6	14.3
87943-16-12	1"	20	12	93.7	47.6	38	36.7	14.3
87943-16-16	1"	25	16	103.9	47.6	38	37.5	14.3
87943-20-16	1.1/4"	25	16	104.9	54	43	38	14.3
87943-20-20	1.1/4"	32	20	117.3	54	43	42.3	14.3
87943-24-20	1.1/2"	32	20	118	63.5	50.8	43	14.3
87943-24-24	1.1/2"	40	24	132.5	63.5	50.8	46.9	14.3



87993

90° SAE FLANGE 9000 PSI

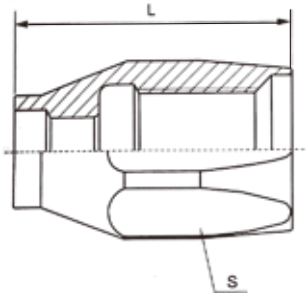
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87993-12-12	3/4"	20	12	75	41.3	31.7	71.5	14.3
87993-16-12	1"	20	12	75	47.6	38	73	14.3
87993-16-16	1"	25	16	88.9	47.6	38	78.5	14.3
87993-20-16	1.1/4"	25	16	88.9	54	43	79.5	14.3
87993-20-20	1.1/4"	32	20	105.8	54	43	90.5	14.3
87993-24-20	1.1/2"	32	20	105.8	63.5	50.8	91.5	14.3
87993-24-24	1.1/2"	40	24	124.2	63.5	50.8	105	14.3



90013

DOUBLE CONNECTOR

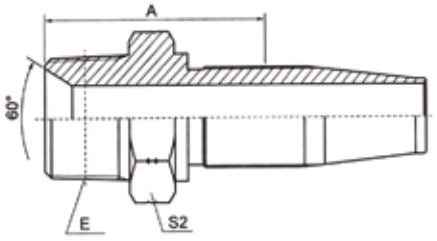
PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
90013-12	20	12	119
90013-16	25	16	150
90013-20	32	20	194
90013-24	40	24	223
90013-32	50	32	235



00518

FERRULE FOR SAE 100 R5 HOSE

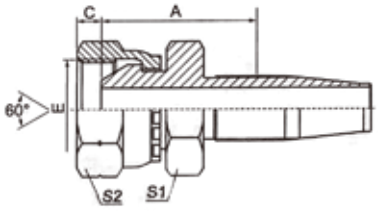
PART NO.	HOSE DASH	DIMENSIONS	
		L	S
00518-04	04	28	17
00518-05	05	30.5	19
00518-06	06	33	22
00518-08	08	42	24
00518-10	10	45.5	30
00518-12	12	53.5	32
00518-16	16	42	36
00518-20	20	44.5	46
00518-24	24	47	50
00518-32	32	57	65



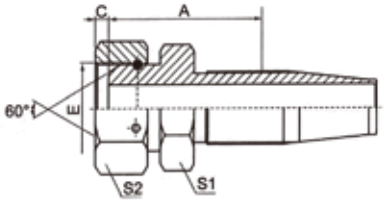
15618-R5

NPT MALE

PART NO.	THREAD E	HOSE DASH	DIMENSIONS	
			L	S
15618-02-04(R5)	Z1/8"X27	04	25.5	12
15618-04-04(R5)	Z1/4"X18	04	30	17
15618-04-06(R5)	Z1/4"X18	06	31	17
15618-06-05(R5)	Z3/8"X18	05	32.9	19
15618-06-06(R5)	Z3/8"X18	06	32	19
15618-08-08(R5)	Z1/2"X14	08	40.5	22
15618-12-10(R5)	Z3/4"X14	10	42.5	30
15618-12-12(R5)	Z3/4"X14	12	43	30
15618 16-16(R5)	Z1"X11.5	16	46.5	36
15618-20-20(R5)	Z1.1/4"X11.5	20	51.5	46
15618-24-24(R5)	Z1.1/2"X11.5	24	52.5	50
15618-32-32(R5)	Z2"X11.5	32	55	65



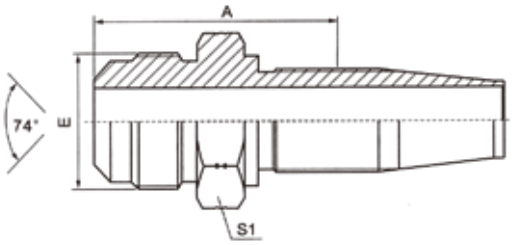
22618D-R5



22618D-R5W

BSP FEMALE 60° CONE

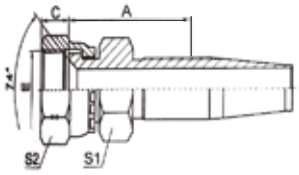
PART NO.	THREAD E	HOSE DASH	DIMENSIONS			
			A	C	S1	S2
22618D-04-04(R5)	G1/4"X19	04	26	5.5	14	19
22618D-06-05(R5)	G 3/8"X19	05	29.1	6.3	17	22
22618D-06-06(R5)	G3/8"X19	06	30	6.3	17	22
22618D-08-08(R5)	G1/2"X14	08	35	7.5	19	27
22618D-10-10(R5)	G5/8"X14	10	35.5	9.5	22	30
22618D-12-12(R5)	G3/4"X14	12	38.5	10.9	27	32
22618D-16-16(R5)	G1"X11	16	37	11.7	32	41
22618D-20-20(R5)W	G1.1/4"X11	20	41.5	11	41	50

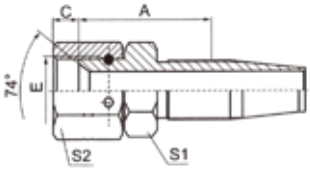


16718-R5

JIC MALE 74° CONE
SAE J514

PART NO.	THREAD E	HOSE DASH	DIMENSIONS	
			A	S1
16718-04-04(R5)	7/16"X20	04	29	12
16718-06-05(R5)	9/16"X18	05	31	17
16718-06-06(R5)	9/16"X18	06	32	17
16718-08-06(R5)	3/4"X16	06	34.7	22
16718-08-08(R5)	3/4"X16	08	38	22
16718-10-10(R5)	7/8"X14	10	40.5	24
16718-12-12(R5)	1.1/16"X12	12	45.5	30
16718-16-16(R5)	1.5/16"X12	16	44	36
16718-20-20(R5)	1.5/8"X12	20	49.5	46
16718-24-24(R5)	1.7/8"X12	24	52.5	50

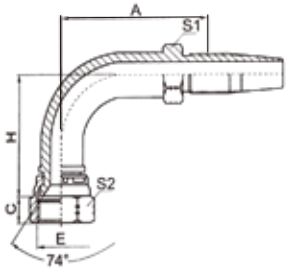


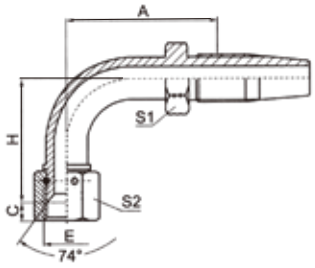


JIC FEMALE 74° CONE SEAL
SAE J514

26718D-R5 **26718D-R5W**

PART NO.	THREAD E	HOSE DASH	DIMENSIONS			
			A	C	S1	S2
26718D-04-04(R5)	7/16"X20	04	22	9	14	17
26718D-05-05(R5)	1/2"X20	05	25.4	9.5	14	17
26718D-06-06(R5	9/16"X18	06	24.5	10.5	17	19
26718D-08-08(R5)	3/4"X16	08	31.5	11	22	24
26718D-10-10(R5)	7/8"X14	10	34	13	27	27
26718D-12-12(R5)	1.1/16"X12	12	37	15	32	32
26718D-16-16(R5)	1.5/16"X12	16	33.5	16	38	41
26718D-20-20(R5)W	1.5/8"X12	20	41.5	17	41	50
26718D-24-24(R5)W	1.7/8"X12	24	43	20	46	55
26718D-32-32(R5)W	2.1/2"X12	32	45.5	23.5	65	75

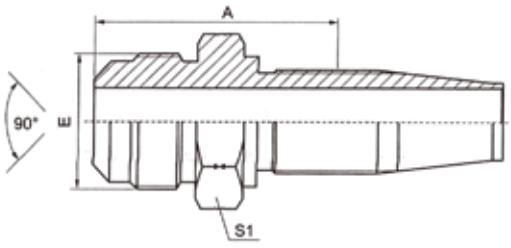




90° JIC FEMALE 74° CONE SEAL
SAE J514

26798D-R5 **26798D-R5W**

PART NO.	THREAD E	HOSE DASH	DIMENSIONS				
			A	C	H	S1	S2
26798D-04-04(R5)	7/16"X20	04	38.5	9	33.5	14	15
26798D-05-05(R5)	1/2"X20	05	43.4	9.5	37	14	17
26798D-06-06(R5)	9/16"X18	06	44.8	10.5	39.3	17	19
26798D-08-08(R5)	3/4"X16	08	53	11	47.5	19	24
26798D-10-10(R5)	7/8"X14	10	66.5	13	52.5	24	27
26798D-12-12(R5)	1.1/16"X12	12	79.5	15	63.5	27	32
26798D-16-16(R5)	1.5/16"X12	16	86.5	16	70	32	41
26798D-20-20(R5)W	1.5/8"X12	20	100.5	17	85	38	50
26798D-24-24(R5)W	1.7/8"X12	24	121	20	97.5	46	55
26798D-32-32(R5)W	2.1/2"X12	32	143.3	23.5	118.8	60	75

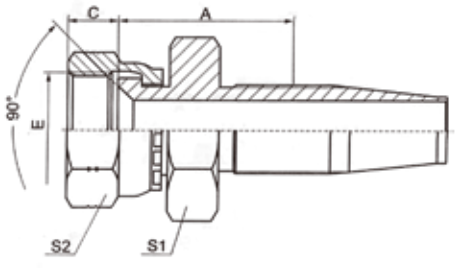


17818-R5

SAE MALE 90° CONE
SAE J513

PART NO.	THREAD E	HOSE DASH	DIMENSIONS	
			A	S1
17818-06-06(R5)	5/8"X18	06	33.7	17
17818-08-08(R5)	3/4"X16	08	42	22
17818-12-12(R5)	1.1/16"X14	12	51	30

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 117818-06-06(R5)-SS means stainless steel adaptor. 17818-06-06(R5)-EE means brass adaptor.

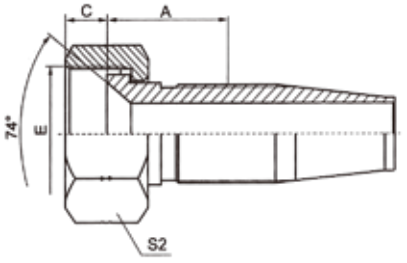


27818D-R5

SAE FEMALE 90° CONE SEAL
SAE J513

PART NO.	THREAD E	HOSE DASH	DIMENSIONS			
			A	C	S1	S2
27818D-04-04(R5)	7/16"X20	04	22	9	14	17
27818D-05-05(R5)	1/2"X20	05	25.4	9	14	17
27818D-06-06(R5	5/8"X18	06	26	11.3	17	22
27818D-08-08(R5)	3/4"X16	08	31.5	10.5	22	24
27818D-10-10(R5)	7/8"X14	10	34	12	27	27
27818D-12-12(R5)	1.1/16"X14	12	37	14.3	32	32

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 27818D-04-04(R5)-SS means stainless steel adaptor. 27818D-04-04(R5)-EE means brass adaptor.

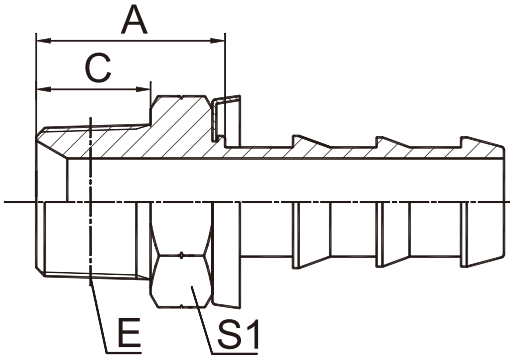


26718-R5T

JIC FEMALE 74° CONE SEAL
SAE J514

PART NO.	THREAD E	HOSE DASH	DIMENSIONS		
			A	C	S2
26718-04-04(R5T)	7/16"X20	04	20.5	9	15
26718-05-05(R5T)	1/2"X20	05	23.4	9.5	17
26718-06-06(R5T)	9/16"X18	06	22.5	10.5	19
26718-08-08(R5T)	3/4"X16	08	23.5	11	24
26718-10-10(R5T)	7/8"X14	10	24	13	27
26718-12-12(R5T)	1.1/16"X12	12	26	15	32
26718-16-16(R5T)	1.5/16"X12	16	22.5	16	41
26718-20-20(R5T)	1.5/8"X12	20	24	17	50
26718-24-24(R5T)	1.7/8"X12	24	24	20	55
26718-32-32(R5T)	2.1/2"X12	32	26	23.5	75

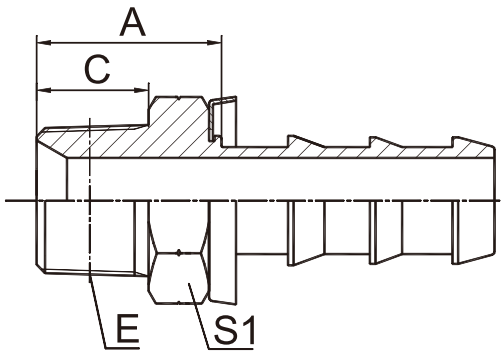
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 26718-04-04(R5T)-SS means stainless steel adaptor. 26718-04-04(R5T)-EE means brass adaptor.



13011-SP(PO)

BSPT MALE

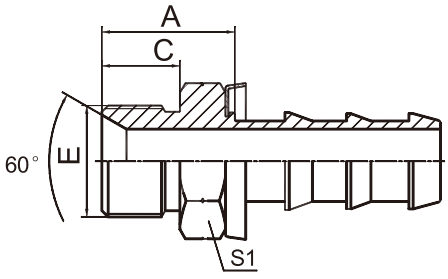
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S1	
13011-02-04SP(PO)	R1/8"X28	6	04		17.7	10	12	
13011-04-04SP(PO)	R1/4"X19	6	04		20.5	14.5	14	
13011-04-06SP(PO)	R1/4"X19	10	06		22	14.5	17	
13011-06-06SP(PO)	R3/8"X19	10	06		23.5	15	19	
13011-08-08SP(PO)	R1/2"X14	12	08		30.5	20	22	
13011-12-12SP(PO)	R3/4"X14	20	12		29.4	20	27	



15611-PO

NPT MALE

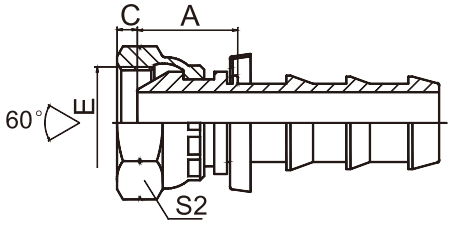
PART NO·	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C		S1
15611-02-04PO	Z 1/8"X27	6	04		18.2	10.5		12
15611-04-04PO	Z 1/4"X18	6	04		21.1	15		14
15611-04-06PO	Z 1/4"X18	10	06		22.6	15		14
15611-06-06PO	Z 3/8"X18	10	06		22.6	16		19
15611-06-08PO	Z 3/8"X18	12	08		22.6	16		19
15611-08-08PO	Z 1/2"X14	12	08		29	19.5		22
15611-08-10PO	Z 1/2"X14	16	10		29	19.5		22
15611-12-12PO	Z 3/4"X14	20	12		30.7	19.5		27



12611-PO

BSP MALE 60° CONE SEAL

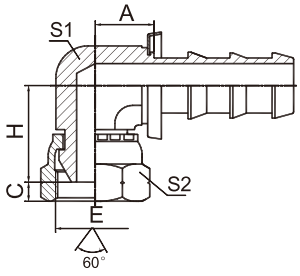
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C		S1
12611-04-04PO	G1/4"X19	6	04		20	12		14
12611-06-06PO	G3/8"X19	10	06		22	13.5		17
12611-08-08PO	G1/2"X14	12	08		26.5	16		22
12611-10-10PO	G5/8"X14	16	10		27.5	17.5		24
12611-12-12PO	G3/4"X14	20	12		29.9	18.5		27



22611-PO

BSP FEMALE 60° CONE

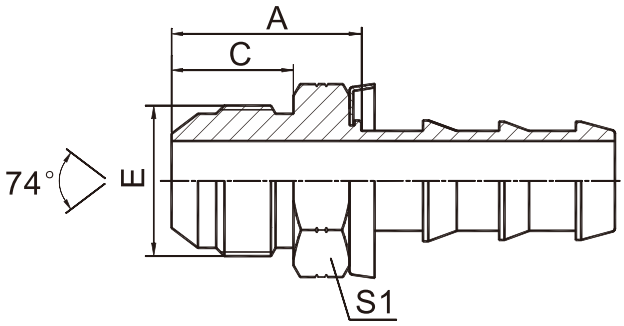
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C		S2
22611-04-04PO	G1/4"X19	6	04		19.5	5.5		19
22611-06-06PO	G3/8"X19	10	06		21.5	6.3		22
22611-08-08PO	G1/2"X14	12	08		24.5	7.5		27
22611-12-12PO	G3/4"X14	20	12		29	10.9		32



22691K-PO

90° BSP COMPACT FEMALE 60° CONE

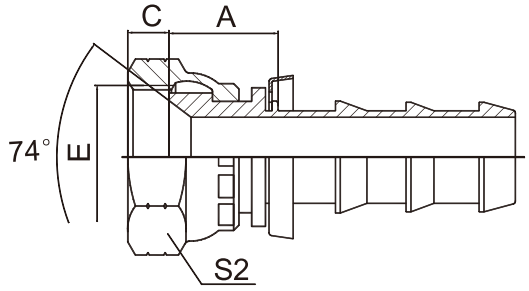
PART NO.	THREAD E	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	H	S1	S2
22691K-04-04PO	G1/4"X19	6	04	12	5.5	18.5	11	19
22691K-06-06PO	G3/8"X19	10	06	14	6.3	24	14	22
22691K-08-08PO	G1/2"X14	12	08	17	7.5	26.5	19	27
22691K-12-12PO	G3/4"X14	20	12	21.5	10.9	33	27	32



16711-PO

JIC MALE 74° CONE

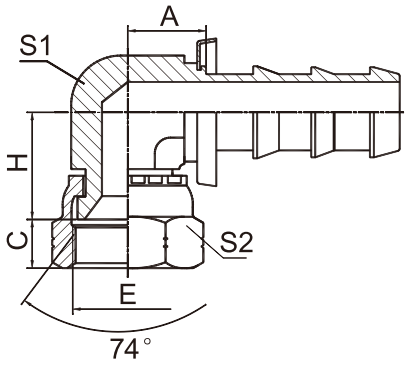
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C	S1	
16711-04-04PO	7/16"X20	6	04		22	14	12	
16711-06-04PO	9/16"X18	6	04		22	14.1	17	
16711-06-06PO	9/16"X18	10	06		22	14.1	17	
16711-08-06PO	3/4"X16	10	06		27.2	16.7	22	
16711-08-08PO	3/4"X16	12	08		27.2	16.7	22	
16711-10-10PO	7/8"X14	16	10		30	19.3	24	
16711-10-12PO	7/8"X14	20	12		29.4	19.3	24	
16711-12-08PO	1.1/16"X12	12	08		34.5	21.9	27	
16711-12-10PO	1.1/16"X12	16	10		34	21.9	27	
16711-12-12PO	1.1/16"X12	20	12		33.4	21.9	27	



26711-PO

JIC FEMALE 74° CONE SEAL

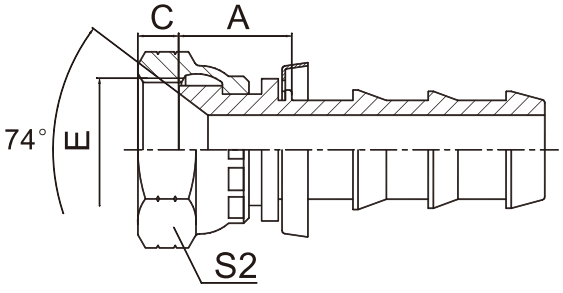
PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C		S2
26711-04-04PO	7/16"X20	6	04		12.2	9		15
26711-05-04PO	1/2"X20	6	04		12.2	9.5		17
26711-06-06PO	9/16"X18	10	06		12.5	10.5		19
26711-08-06PO	3/4"X16	10	06		12.5	11		24
26711-08-08PO	3/4"X16	12	08		14.7	11		24
26711-10-08PO	7/8"X14	12	08		15.2	13		27
26711-10-10PO	7/8"X14	16	10		15.7	13		27
26711-12-12PO	1.1/16"X12	20	12		17.4	15		32
26711-16-16PO	1.5/16"X12	25	16		18.6	16		41



26791K-PO

90° JIC FEMALE 74° CONE SEAL

PART NO.	THREAD E	HOSE BORE		DIMENSIONS						
		DN	DASH	A	C	H	S1	S2		
26791K-04-04PO	7/16"X20	6	04	11.7	9	18	11	17		
26791K-06-04PO	9/16"X18	6	04	14.2	10.5	20.5	14	19		
26791K-06-06PO	9/16"X18	10	06	15.5	10.5	21	16	19		
26791K-08-06PO	3/4"X16	10	06	16	11	22.5	16	24		
26791K-08-08PO	3/4"X16	12	08	15.7	11	22.5	19	24		
26791K-10-10PO	7/8"X14	16	10	18.5	12	27.5	22	27		
26791K-12-12PO	1.1/16"X12	20	12	21.5	15	30	27	32		



27811-PO

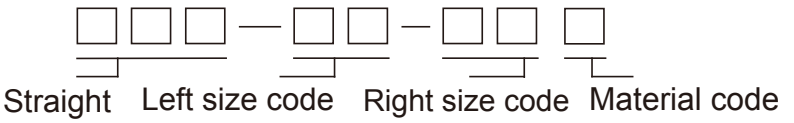
SAE FEMALE 90° CONE SEAL

SAEJ513

PART NO.	THREAD E	HOSE BORE			DIMENSIONS			
		DN	DASH		A	C		S2
27811-04-04PO	7/16"X20	6	04		12.2	9		15
27811-05-04PO	1/2"X20	6	04		13.7	9.5		17
27811-06-04PO	5/8"X18	6	04		13.7	11.3		22
27811-06-06PO	5/8"X18	10	06		13.7	11.3		22
27811-08-06PO	3/4"X16	10	06		14.7	11		24
27811-08-08PO	3/4"X16	12	08		14.7	11		24
27811-10-08PO	7/8"X14	12	08		15.2	13		27
27811-12-12PO	1.1/16"X14	20	12		16.9	14.3		32

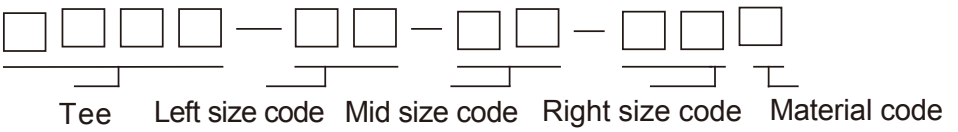
Howto order adapter

1 Straight

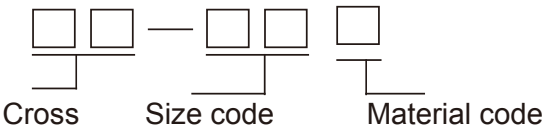


2 Elbow：Add suffix “4” for 45° elbow and suffix “9” for 90° elbow to the straight part number。
e.g,1BG9-04OG and 1JT4-08-06SP.

3 Tee



4 Cross



In general for cross fitting ,the four ends thread is the same.If different,the first group means left,the second group means up ,the third group means right and the fourth end means down.

5 The material code must not be marked when it is in carbon steel, other material codes are shown in the following table.

Material	Carbon steel	Brass	Stainless steel
Code	—	EE	SS

6 Labelling according to the thread or size, details are shown in the table below.

BSP Thread	G1/8” x28	G1/4” x19	—	G3/8” x19	G1/2” x14	G5/8” x14	G3/4” x14	G1”x11	G1.1/4” x11	G1.1/2” x11	G2”x11

NPT Thread	Z1/8" x27	Z1/4" x18	—	Z3/8" x18	Z1/2" x14	—	Z3/4" x14	Z1"x11.5	Z1.1/4" x11.5	Z1.1/2" x11.5	Z2" x11.5
JIC Thread	—	7/16" x20	1/2" x20	9/16" x18	3/4" x16	7/8" x14	1.1/16" x12	1.5/16" x12	1.5/8" x12	1.7/8" x12	2.1/2" x12
ORFS Thread	—	9/16" x18	—	11/16" x16	13/16" x16	1" x14	1.3/16" x12	1.7/16" x12	1.11/16" x12	2" x12	—
SAE Thread	—	—	—	5/8" x18	—	—	1.1/16" x14	—	—	—	—
Flange size	—	—	—	—	1/2"	5/8"	3/4"	1"	1.1/4"	1.1/2"	2"
Socketless	—	04	—	06	08	—	12	16	20	24	32
Size code	02	04	05	06	08	10	12	16	20	24	32
Note：The size code of metric thread accords with the O.D. of thread.											

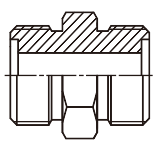
Example of order：

If 1BG' left end thread is G1/2"X14 and right end thread is G3/4"X14,the carbon steel fitting number is 1BG-08-12.

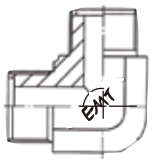
If AJJN' left end thread is 9/16"x18,mid end thread is 9/16"x18 and right end thread is Z1/2"x14,the carbon steel fitting number is AJJN-06-06-08.

METRIC THREAD O-RING FACE SEAL FITTINGS INDEX

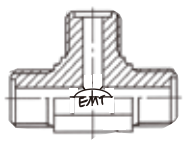
1E P117



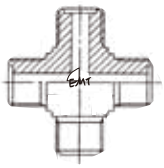
1E9 P118



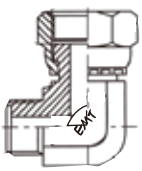
AE P119



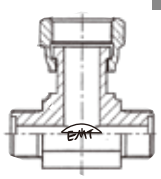
XE P119



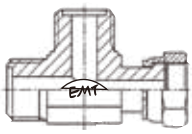
2E9 P120



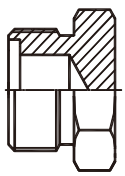
BE P120



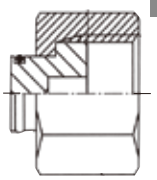
CE P121



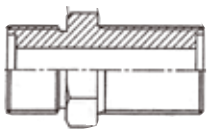
4E P121



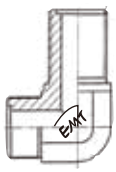
9E P122



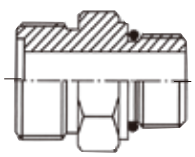
6E/6E-LN P122



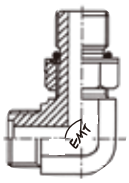
6E9/6E9-LN P123



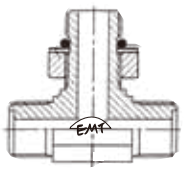
1EH P124



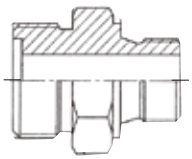
1EH9-OG P124



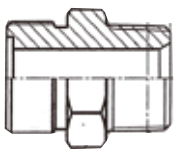
AEHE-OG P125



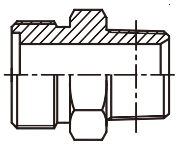
1EL P125



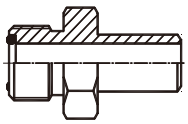
1EN P126



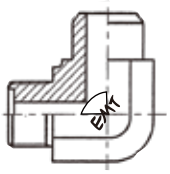
1ET-SP P127



1EW P128

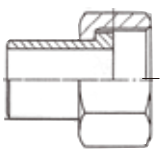


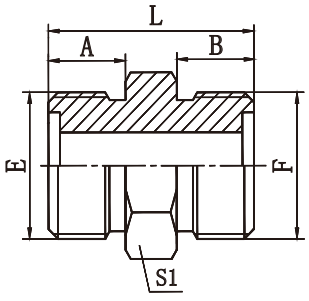
1EW9 P128



1EZ P129

2WE P130



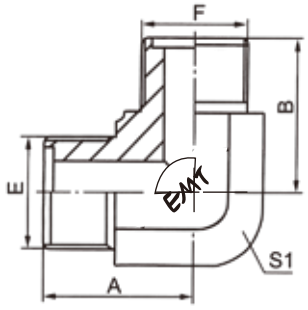


1E

METRIC MALE O-RING

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E	F	A	B	L	S1	
1E-12	M12X1.25	M12X1.25	8X1.9	8X1.9	11	11	28	14	
1E-14	M14X1.5	M14X1.5	10X1.9	10X1.9	11	11	28	17	
1E-16	M16X1.5	M16X1.5	11X1.9	11X1.9	11	11	28	17	
1E-18	M18X1.5	M18X1.5	13X1.9	13X1.9	11	11	28	19	
1E-22	M22X1.5	M22X1.5	16X2.4	16X2.4	12	12	32	24	
1E-27	M27X1.5	M27X1.5	20X2.4	20X2.4	13	13	36	30	
1E-30	M30X1.5	M30X1.5	24X2.4	24X2.4	14	14	39	32	
1E-36	M36X2	M36X2	30X3.1	30X3.1	16	16	45.5	38	
1E-39	M39X2	M39X2	32X3.1	32X3.1	18	18	49	41	
1E-42	M42X2	M42X2	35X3.1	35X3.1	20	20	53	46	
1E-45	M45X2	M45X2	38X3.1	38X3.1	20	20	53	46	
1E-52	M52X2	M52X2	40X3.1	40X3.1	22	22	59	55	
1E-60	M60X2	M60X2	45X3.1	45X3.1	24	24	65	65	
1E-64	M64X2	M64X2	50X3.1	50X3.1	27	27	71	70	

Note:1 The parameter of O-Ring is ring outside diameter and ring width.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 1E-12-SS means stainless steel adaptor. 1E-12-EE means brass adaptor.

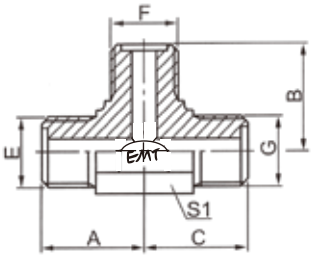


1E9

90° ELBOW METRIC MALE O-RING

PART NO.	THREAD		O-RING		DIMENSIONS				
	E、F	F	E 、 F		A	B	S1		
1E9-12	M12×1.25		8×1.9		20.5	20.5	12		
1E9-14	M14×1.5		10×1.9		22.5	22.5	14		
1E9-16	M16×1.5		11×1.9		24	24	17		
1E9-18	M18×1.5		13×1.9		26	26	19		
1E9-22	M22×1.5		16×2.4		29	29	22		
1E9-27	M27×1.5		20×2.4		32.5	32.5	27		
1E9-30	M30×1.5		24×2.4		35.5	35.5	30		
1E9-36	M36×2		30×3.1		42	42	36		
1E9-39	M39×2		32×3.1		47.5	47.5	41		
1E9-42	M42×2		35×3.1		49.5	49.5	41		
1E9-45	M45×2		38×3.1		52.5	52.5	46		
1E9-52	M52×2		40×3.1		57	57	50		

Note:1 The parameter of E end O-ring is ring outside diameter and ring width
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix“SS”. And suffix “EE” for ordering brass adaptor. For example: 1E9-12-SS means stainless steel adaptor. 1E9-12-EE means brass adaptor.

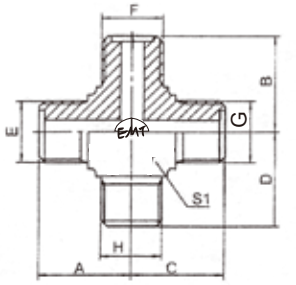


AE

METRIC MALE O-RING TEE

PART NO.	THREAD		O-RING		DIMENSIONS				
	E、F、G		E 、F 、G		A	B	C	S1	
AE-14	M14×1.5		10×1.9		22.5	22.5	22.5	14	
AE-16	M16×1.5		11×1.9		24	24	24	17	
AE-18	M18×1.5		13×1.9		26	26	26	19	
AE-22	M22×1.5		16×2.4		29	29	29	22	
AE-27	M27×1.5		20×2.4		32.5	32.5	32.5	27	
AE-30	M30×1.5		24×2.4		35.5	35.5	35.5	30	
AE-36	M36×2		30×3.1		42	42	42	36	
AE-39	M39×2		32×3.1		47.5	47.5	47.5	41	
AE-42	M42×2		35×3.1		49.5	49.5	49.5	41	
AE-45	M45×2		38×3.1		52.5	52.5	52.5	46	
AE-52	M52×2		40×3.1		57	57	57	50	

Note:The parameter of E end O-ring is ring outside diameter and ring width

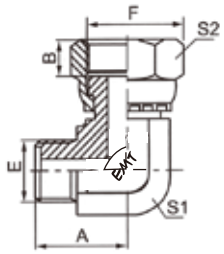


XE

METRIC MALE O-RING CROSS

PART NO.	THREAD		O-RING		DIMENSIONS				
	E、F、G、H		E、F、G、H		A	B	C	D	S1
XE-14	M14X1.5		10X1.9		22.5	22.5	22.5	22.5	14
XE-16	M16X1.5		11X1.9		24	24	24	24	17
XE-18	M18X1.5		13X1.9		26	26	26	26	19
XE-22	M22X1.5		16X2.4		29	29	29	29	22
XE-27	M27X1.5		20X2.4		32.5	32.5	32.5	32.5	27
XE-30	M30X1.5		24X2.4		35.5	35.5	35.5	35.5	30
XE-36	M36X2		30X3.1		42	42	42	42	36
XE-39	M39X2		32X3.1		47.5	47.5	47.5	47.5	41
XE-42	M42X2		35X3.1		49.5	49.5	49.5	49.5	41
XE-45	M45X2		38X3.1		52.5	52.5	52.5	52.5	46
XE-52	M52X2		40X3.1		57	57	57	57	50

Note:The parameter of E end O-ring is ring outside diameter and ring width

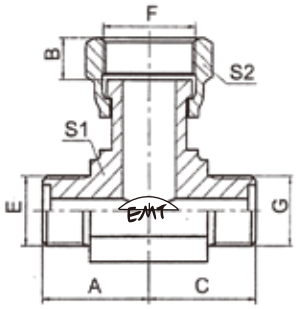


2E9

90° ELBOW METRIC O-RING

PART NO.	THREAD		O-RING		DIMENSIONS				
	E、F		E		A	B	S1	S2	
2E9-12	M12×1.25		8×1.9		20.5	8	12	17	
2E9-14	M14×1.5		10×1.9		22.5	8.5	14	19	
2E9-16	M16×1.5		11×1.9		24	8.5	17	22	
2E9-18	M18×1.5		13×1.9		26	8.5	19	24	
2E9-22	M22×1.5		16×2.4		29	10	22	27	
2E9-27	M27×1.5		20×2.4		32.5	10	27	32	
2E9-30	M30×1.5		24×2.4		35.5	11	30	36	
2E9-36	M36×2		30×3.1		42	13	36	41	
2E9-39	M39×2		32×3.1		47.5	13	41	46	
2E9-42	M42×2		35×3.1		49.5	15	41	50	
2E9-45	M45×2		38×3.1		52.5	15	46	55	
2E9-52	M52×2		40×3.1		56	17	50	60	

Note:The parameter of E end O-ring is ring outside diameter and ring width

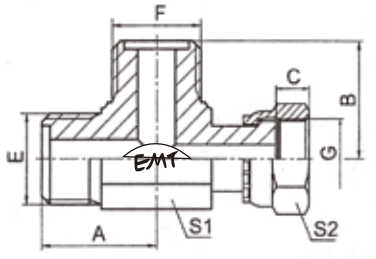


BE

METRIC MALE O-RING/METRIC FEMALE BRANCH TEE

PART NO.	THREAD		O-RING		DIMENSIONS				
	E、F、G		E 、F 、G		A	B	C	S1	S2
BE-14	M14×1.5		10×1.9		22.5	8.5	22.5	14	19
BE-16	M16×1.5		11×1.9		24	8.5	24	17	22
BE-18	M18×1.5		13×1.9		26	8.5	26	19	24
BE-22	M22×1.5		16×2.4		29	10	29	22	27
BE-27	M27×1.5		20×2.4		32.5	10	32.5	27	32
BE-30	M30×1.5		24×2.4		35.5	11	35.5	30	36
BE-36	M36×2		30×3.1		42	13	42	36	41
BE-39	M39×2		32×3.1		47.5	13	47.5	41	46
BE-42	M42×2		35×3.1		49.5	15	49.5	41	50
BE-45	M45×2		38×3.1		52.5	15	52.5	46	55
BE-52	M52×2		40×3.1		57	17	57	50	60

Note:The parameter of E end O-ring is ring outside diameter and ring width

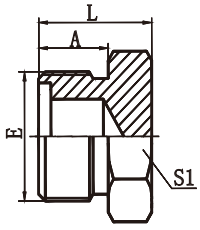


CE

METRIC MALE O-RING/METRIC FEMALE RUN TEE

PART NO.	THREAD		O-RING		DIMENSIONS				
	E、F、G		E 、 F 、G端		A	B	C	S1	S2
CE-14	M14×1.5		10×1.9		22.5	22.5	8.5	14	19
CE-16	M16×1.5		11×1.9		24	24	8.5	17	22
CE-18	M18×1.5		13×1.9		26	26	8.5	19	24
CE-22	M22×1.5		16×2.4		29	29	10	22	27
CE-27	M27×1.5		20×2.4		32.5	32.5	10	27	32
CE-30	M30×1.5		24×2.4		35.5	35.5	11	30	36
CE-36	M36×2		30×3.1		42	42	13	36	41
CE-39	M39×2		32×3.1		47.5	47.5	13	41	46
CE-42	M42×2		35×3.1		49.5	49.5	15	41	50
CE-45	M45×2		38×3.1		52.5	52.5	15	46	55
CE-52	M52×2		40×3.1		57	57	17	50	60

Note:The parameter of E end O-ring is ring outside diameter and ring width

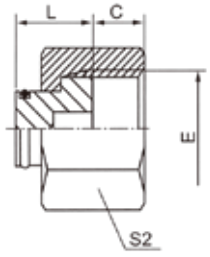


4E

METRIC MALE O-RING SEAL PLUG

PART NO.	THREAD		O-RING		DIMENSIONS				
	E		E		A	L	S 1		
4E-14	M14X1.5		10X1.9		11	17	17		
4E-16	M16X1.5		11X1.9		11	17	17		
4E-18	M18X1.5		13X1.9		11	17	19		
4E-22	M22X1.5		16X2.4		12	20	24		
4E-27	M27X1.5		20X2.4		13	23	30		
4E-30	M30X1.5		24X2.4		14	25	32		
4E-36	M36X2		30X3.1		16	29	38		
4E-42	M42X2		35X3.1		20	33	46		
4E-45	M45X2		38X3.1		21	34	46		
4E-52	M52X2		40X3.1		22	37	55		
4E-60	M60X2		45X3.1		24	41	65		

Note:The parameter of E end O-ring is ring outside diameter and ring width

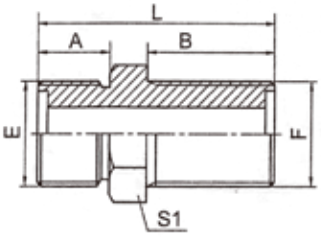


9E

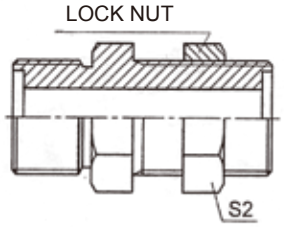
METRIC FEMALE FACE PLUG

PART NO.	THREAD				DIMENSIONS		
	E				C	L	S2
9E-12	M12X1.25				8	10	14
9E-14	M14X1.5				8.5	10.5	17
9E-16	M16X1.5				8.5	11.5	19
9E-18	M18X1.5				8.5	13	22
9E-22	M22X1.5				10	13	27
9E-27	M27X1.5				10	15	32
9E-30	M30X1.5				11	15	36
9E-36	M36X2				13	15.5	41
9E-39	M39X2				13	17.5	46
9E-42	M42X2				15	18.5	50
9E-45	M45X2				15	18.5	55
9E-52	M52X2				17	18.5	60

Note:The parameter of E end O-ring is ring outside diameter and ring width



6E

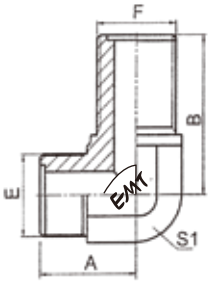


6E-LN

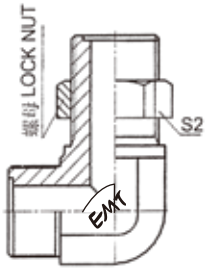
METRIC MALE O-RING BULKHEAD

PART NO.	THREAD		SEAL		DIMENSIONS				
	E	F	E	F	A	B	L	S1	S2
6E-12	M12×1.25	M12×1.25	8×1.9	8×1.9	11	31.5	47.5	17	17
6E-14	M14×1.5	M14×1.5	10×1.9	10×1.9	11	32.5	49.5	19	19
6E-16	M16×1.5	M16×1.5	11×1.9	11×1.9	11	32.5	51.5	22	22
6E-18	M18×1.5	M18×1.5	13×1.9	13×1.9	11	33	52	24	24
6E-22	M22×1.5	M22×1.5	16×2.4	16×2.4	12	35.5	58	27	30
6E-27	M27×1.5	M27×1.5	20×2.4	20×2.4	13	37	61	32	36
6E-30	M30×1.5	M30×1.5	24×2.4	24×2.4	14	38	63	36	41
6E-36	M36×2	M36×2	30×3.1	30×3.1	16	42	71	41	46
6E-39	M39×2	M39×2	32×3.1	32×3.1	18	44	75	46	50
6E-42	M42×2	M42×2	35×3.1	35×3.1	20	46	81	50	50
6E-45	M45×2	M45×2	38×3.1	38×3.1	21	46	81	55	55
6E-52	M52×2	M52×2	40×3.1	40×3.1	22	49	86	60	65

Note:1 The parameter of E end O-ring is ring outside diameter and ring width. 2 In case if you are interested to order the adapter with lock nut,please insert suffix "LN" after our part NO., for example 6E-30LN,The lock nutNO.is 8C.



6E9

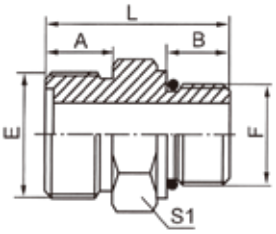


6E9-LN

90° METRIC MALE O-RING BULKHEAD

PART NO.	THRADE		SEAL		DIMENSIONS				
	E	F	E	F	A	B		S1	S2
6E9-12	M12×1.25	M12×1.25	8×1.9	8×1.9	20.5	44.5		12	17
6E9-14	M14×1.5	M14×1.5	10×1.9	10×1.9	22.5	46.5		14	19
6E9-16	M16×1.5	M16×1 5	11×1.9	11×1.9	24	48		17	22
6E9-18	M18×1.5	M18×1.5	13×1.9	13×1.9	26	50		19	24
6E9-22	M22×1.5	M22×1.5	16×2.4	16×2.4	29	54		22	30
6E9-27	M27×1.5	M27×1.5	20×2.4	20×2.4	32.5	58.5		27	36
6E9-30	M30×1.5	M30×1.5	24×2.4	24×2.4	32.5	61.5		30	41
6E9-36	M36×2	M36×2	30×3.1	30×3.1	42	71		36	46
6E9-39	M39×2	M39×2	32×3.1	32×3.1	47.5	76		41	50
6E9-42	M42×2	M42×2	35×3.1	35×3.1	49.5	78		41	50
6E9-45	M45×2	M45×2	38×3.1	38×3.1	52.5	81		46	55
6E9-52	M52×2	M52×2	40×3.1	40×3.1	57	86		50	65

Note:1 The parameter of O-ring is ring outside diameter and ring width. 2 In case if you are interested to order the adapter with lock nut,please insert suffix "LN" after our part NO.for example 6E9-30LN,The lock nut NO.is 8C.

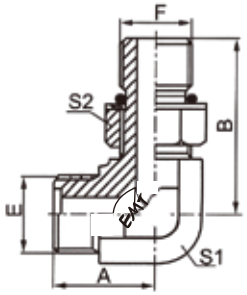


1EH

METRIC MALE O-RING/
METRIC MALE S-SERIES ISO 6149-2

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E	F	A	B	L	S1	
1EH-12-10	M12X1.25	M10X1	8X1.9	008.1X1.6	11	9.5	28	14	
1EH-14-12	M14X1.5	M12X1.5	10X1.9	009.3X2.4	11	11	28	17	
1EH-16-14	M16X1.5	M14X1.5	11X1.9	011.3X2.4	11	11	28	19	
1EH-18-16	M18X1.5	M16X1.5	13X1.9	013.3X2.4	11	11.5	31.5	22	
1EH-22-18	M22X1.5	M18X1.5	16X2.4	015.3X2.4	12	12.5	34.5	24	
1EH-27-22	M27X1.5	M22X1.5	20X2.4	019.3X2.4	13	15	38	30	
1EH-30-27	M30X1.5	M27X2	24X2.4	023.5X3.0	14	18.5	43.5	32	
1EH-36-33	M36X2	M33X2	30X3.1	029.5X3.0	16	18.5	47.5	41	
1EH-39-33	M39X2	M33X2	32X3.1	029.5X3.0	18	18.5	49.5	41	
1EH-42-42	M42X2	M42X2	35X3.1	038.5X3.0	20	19	54	50	
1EH-45-42	M45X2	M42X2	38X3.1	038.5X3.0	21	19	54	50	
1EH-52-48	M52X2	M48X2	40X3.1	044.5X3.0	22	21.5	58.5	55	

Note:1 The parameter of E end O-ring is ring outside diameter and ring width.2 F end is fit for ISO 6149-1 port.

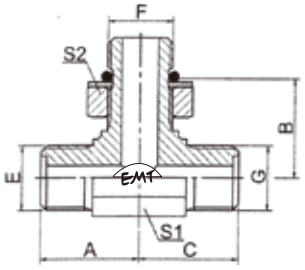


1EH9-OG

90° ELBOW METRIC MALE O-RING/
VIETRIC MALE ADJUSTABLE STUD END S-SERIES ISO 6149-2

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E	F	A	B	S1	S2	
1EH9-12-100G	M12X1.25	M10X1	8X1.9	008.1X1.6	20.5	28.5	12	14	
1EH9-14-120G	M14X1.5	M12X1.5	10X1.9	009.3X2.4	22.5	32.5	14	17	
1EH9-16-140G	M16X1.5	M14X1.5	11X1.9	011.3X2.4	24	36	17	19	
1EH9-18-160G	M18X1.5	M16X1.5	13X1.9	013.3X2.4	26	39	19	22	
1EH9-22-180G	M22X1.5	M18X1.5	16X2.4	015.3X2.4	29	44	22	24	
1EH9-27-220G	M27X1.5	M22X1.5	20X2.4	019.3X2.4	32.5	48	27	30	
1EH9-30-270G	M30X1.5	M27X2	24X2.4	023.5X3.0	32.5	57	30	32	
1EH9-36-330G	M36X2	M33X2	30X3.1	029.5X3.0	42	60.5	36	41	
1EH9-39-330G	M39X2	M33X2	32X3.1	029.5X3.0	47.5	64	41	41	
1EH9-42-420G	M42X2	M42X2	35X3.1	038.5X3.0	49.5	65	41	50	
1EH9-45-420G	M45X2	M42X2	38X3.1	038.5X3.0	52.5	67.5	46	50	
1EH9-52-480G	M52X2	M48X2	40X3.1	044.5X3.0	57	73.5	55	55	

Note:The parameter of E end O-ring is ring outside diameter and ring width

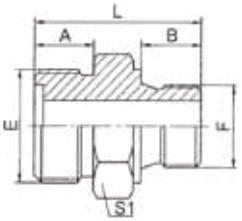


AEHE-OG

METRIC MALE O-RING/
METIRC MALE ADJUSTABLE STUD END S-SERIES
ISO 6149-2 BRANCH TEE

PART NO.	THREAD		O-RING		DIMENSIONS				
	E、G	F	E、G	F	A	B	C	S1	S2
AEHE-12-10-120G	M12×1.25	M10×1	10×1.9	008.1×1.6	20.5	28.5	20.5	12	14
AEHE-14-12-140G	M14×1.5	M12×1.5	11×1.9	009.3×2.4	20.5	33.2	20.5	14	17
AEHE-16-14-160G	M16×1.5	M14×1.5	13×1.9	011.3×2 4	24	36	24	17	19
AEHE-18-16-180G	M18×1.5	M16×1.5	16×2.4	013.3×2.4	26	39	26	19	22
AEHE-22-18-220G	M22×1.5	M18×1.5	18×2.4	015.3×2.4	29	44	29	22	24
AEHE-27-22-270G	M27×1.5	M22×1 5	20×2.4	019.3×2.4	32.5	48	32.5	27	27
AEHE-30-27-300G	M30×1.5	M27×2	24×2.4	023.5×3.0	35.5	57	35.5	30	32
AEHE-36-33-360G	M36×2	M33×2	30×3.1	029.5×3.0	42	60.5	42	36	41
AEHE-39-33-390G	M39×2	M33×2	35×3.1	029.5×3.0	47.5	64	47.5	41	41
AEHE-42-42-420G	M42×2	M42×2	38×3.1	038.5×3.0	49.5	65	49.5	41	50
AEHE-45-42-450G	M45×2	M42×2	40×3.1	038.5×3.0	52.5	67.5	52.5	46	50

Note:The parameter of E、G end O-ring
are ring outside diameter and ring width.2 F end is fit for ISO 6149-1 port.

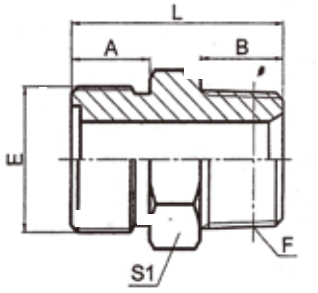


1EL

METRIC MALE O-RING/METRIC MALE WITH BONDED SEAL

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E	F	A	B	L	S1	
1EL-14	M14×1.5	M14×1.5	10×1.9	ZHD-14	11	12	30.5	19	
1EL-14-16	M14×1.5	M16×1.5	10×1.9	ZHD-16	11	12	31	22	
1EL-14-18	M14×1.5	M18×1.5	10×1.9	ZHD-18	11	12	32.5	24	
1EL-14-22	M14×1.5	M22×1.5	10×1.9	ZHD-22	11	14	36.5	27	
1EL-16-14	M16×1.5	M14×1.5	11×1.9	ZHD-14	11	12	29	19	
1EL-16-18	M16×1.5	M18×1.5	11×1.9	ZHD-16	11	12	31	24	
1EL-22-18	M22×1.5	M18×1.5	16×2.4	ZHD-18	12	12	33.5	24	
1EL-27-22	M27×1.5	M22×1.5	18×2.4	ZHD-22	13	14	38.5	30	
1EL-27-33	M27×1.5	M33×2	18×2.4	ZHD-33	13	18	44	41	
1EL-30-18	M30×1.5	M18×1.5	24×2.4	ZHD-18	14	12	38.5	32	
1EL-30-27	M30×1.5	M27×2	24×2.4	ZHD-27	14	16	41	34	
1EL-36-33	M36×2	M33×2	30×3.1	ZHD-33	16	8	49	41	
1EL-36-48	M36×2	M48×2	30×3.1	ZHD-48	16	22	53	60	
1EL-45-42	M45×2	M42×2	38×3.1	ZHD-42	21	20	56	50	
1EL-52-48	M52×2	M48×2	40×3.1	ZHD-48	22	22	61	60	

Note:The parameter of E end O-ring is ring outside diameter and ring width. The bonded seal of F end see page Q23.

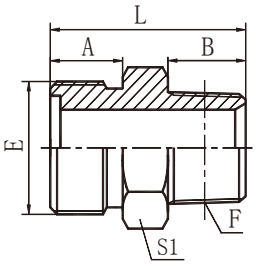


1EN

METRIC MALE O-RING/NPT MALE

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E		A	B	L	S1	
1EN-14-04	M14×1.5	Z1/4″×18	10×1.9		11	15	31	17	
1EN-14-06	M14×1.5	Z3/8″×18	10×1.9		11	16	33	19	
1EN-16-04	M16×1.5	Z1/4″×18	11×1.9		11	15	32	17	
1EN-16-06	M16×1.5	Z3/8″×18	11×1.9		11	16	33	19	
1EN-16-08	M16×1.5	Z1/2″×14	11×1.9		11	19.5	38.5	24	
1EN-18-04	M18×1.5	Z1/4″×18	13×1.9		11	15	31	19	
1EN-18-06	M18×1.5	Z3/8″×18	13×1.9		11	16	33	19	
1EN-18-08	M18×1.5	Z1/2″×14	13×1.9		11	19.5	38.5	24	
1EN-22-08	M22×1.5	Z1/2″×14	16×2.4		12	19.5	39.5	24	
1EN-22-12	M22×1.5	Z3/4″×14	16×2.4		12	19.5	41.5	27	
1EN-24-06	M24×1.5	Z3/8″×18	18×2.4		12	15	37	27	
1EN-24-08	M24×1.5	Z1/2″×14	18×2.4		12	19.5	41.5	27	
1EN-27-08	M27×1.5	Z1/2″×14	20×2.4		13	19.5	42.5	30	
1EN-27-12	M27×1.5	Z3/4″×14	20×2.4		13	19.5	42.5	30	
1EN-30-12	M30×1.5	Z3/4″×14	24×2.4		14	19.5	44.5	32	
1EN-36-12	M36×2	Z3/4″×14	30×3.1		16	19.5	46.5	38	
1EN-36-16	M36×2	Z1″×11.5	30×3.1		16	25.5	52.5	38	
1EN-39-16	M39×2	Z1″×11.5	32×3.1		18	25.5	56.5	41	
1EN-39-20	M39×2	Z1.1/4″×11.5	32×3.1		18	26.5	57.5	46	
1EN-42-16	M42×2	Z1″×11.5	35×3.1		20	25.5	58.5	46	
1EN-42-20	M42×2	Z1.1/4″×11.5	35×3.1		20	26.5	59.5	46	
1EN-45-20	M45×2	Z1.1/4″×11.5	38×3.4		21	26.5	60.5	46	
1EN-52-20	M52×2	Z1.1/4″×11.5	40×3.1		22	26.5	63.5	55	
1EN-60-24	M60×2	Z1.1/2″×11.5	45×3.1		24	27.5	68.5	65	

Note:1 The parameter of E end O-ring is ring outside diameter and ring width
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix“SS”. And suffix “EE” for ordering brass adaptor. For example: 1EN-14-04-SS means stainless steel adaptor. 1EN-14-04-EE means brass adaptor.

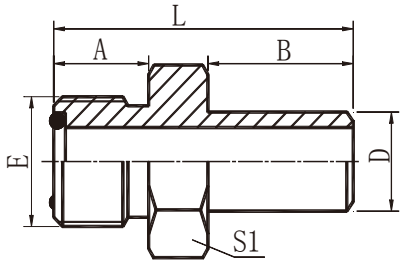


1ET-SP

METRIC MALE O-RING/BSPT MALE

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E		A	B	L	S1	
1ET-14-04SP	M14X1.5	R1/4"X19	10X1.9		11	14.5	31.5	14	
1ET-14-06SP	M14X1.5	R3/8"X19	10X1.9		11	15	32	17	
1ET-16-04SP	M16X1.5	R1/4"X19	11X1.9		11	14.5	31.5	17	
1ET-16-06SP	M16X1.5	R3/8"X19	11X1.9		11	15	32	17	
1ET-18-06SP	M18X1.5	R3/8"X19	13X1.9		11	15	32	19	
1ET-18-08SP	M18X1.5	R1/2"X14	13X1.9		11	20	37	22	
1ET-22-08SP	M22X1.5	R1/2"X14	16X2.4		12	20	40	24	
1ET-22-12SP	M22X1.5	R3/4"X14	16X2.4		12	20	40	27	
1ET-24-06SP	M24X1.5	R3/8"X19	18X2.4		13	15	38	27	
1ET-24-08SP	M24X1.5	R1/2"X14	18X2.4		13	20	43	27	
1ET-27-08SP	M27X1.5	R1/2"X14	20X2.4		13	20	43	30	
1ET-27-12SP	M27X1.5	R3/4"X14	20X2.4		13	20	43	30	
1ET-30-12SP	M30X1.5	R3/4"X14	24X2.4		14	20	45	32	
1ET-36-12SP	M36X2	R3/4"X14	30X3.1		16	20	47	38	
1ET-36-16SP	M36X2	R1"X11	30X3.1		16	25.5	52.5	38	
1ET-39-16SP	M39X2	R1"X11	32X3.1		18	25.5	56.5	41	
1ET-39-20SP	M39X2	R1.1/4"X11	32X3.1		18	26.5	57.5	46	
1ET-42-20SP	M42X2	R1.1/4"X11	35X3.1		20	26.5	59.5	46	
1ET-45-20SP	M45X2	R1.1/4"X11	38X3.1		21	26.5	60.5	46	
1ET-52-24SP	M52X2	R1.1/2"X11	40X3.1		22	26.5	63.5	55	

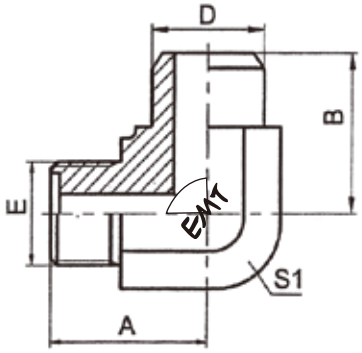
Note:1 The parameter of E end O-Ring is ring outside diameter and ring width.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS".And suffix "EE" for ordering brass adaptor. For example: 1C-16-SS means stainless steel adaptor. 1C-16-EE means brass adaptor.



1EW

METRIC MALE WITH O-RING/BUTT-WELD TUBE

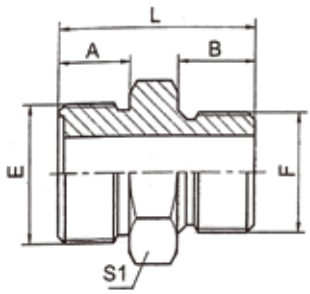
PART NO.	THREAD	TUBE O.D	O-RING	DIMENSIONS				
	E	D		A	B	L	S1	
1EW-12-06	M12X1.25	6	8X1.9	11	8	24	14	
1EW-18-10	M18X1.5	10	13X1.9	11	20	37	19	
1EW-30-19	M30X1.5	19	24X1.4	14	20	45	32	
1EW-39-25	M39X2	25	32X3.1	18	20	51	41	
1EW-64-57	M64X2	57	50X3.1	27	50	94	70	



1EW9

90° ELBOW METRIC MALE O-RING / BUTT-WELD TUBE

PART NO.	THREAD	TUBE O. D.	O-RING		DIMENSIONS				
	E		E		A	B	D		S1
1EW9-12-06	M12×1.25	6	8×1.9		20.5	16.5	6		12
1EW9-14-08	M14×1.5	8	10×1.9		22.5	17.5	8		14
1EW9-16-10	M16×1.5	10	11×1.9		24	19.5	10		17
1EW9-18-12	M18×1.5	12	13×1.9		26	25	12		19
1EW9-22-14	M22×1.5	14	16×2,4		29	27	14		22
1EW9-27-18	M27×1.5	18	20×2.4		32.5	29.5	18		27
1EW9-30-22	M30×1.5	22	24×2.4		35.5	33.5	22		30
1EW9-36-28	M36×2	28	30×3.1		42	39	28		36
1EW9-39-30	M39×2	30	32×3.1		47.5	43	30		41
1EW9-42-34	M42×2	34	35×3.1		49.5	43	34		41
1EW9-45-38	M45×2	38	38×3.1		52.5	47.5	38		46
1EW9-52-42	M52×2	42	40×3.1		57	50	42		50

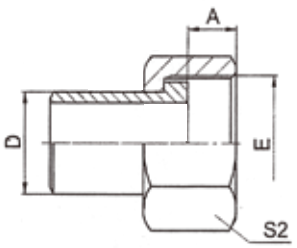


1EZ

METRIC MALE O-RING/NPT MALE
BSP MALE DIN 3852-2 TYPE A

PART NO.	THRADE		SEAL		DIMENSIONS				
	E	F	E	F	A	B	L	S1	
1EZ-14-04	M14×1.5	G1/4″×19	10×1.9	ZHD-14	11	12	29	19	
1EZ-16-04	M16×1.5	G1/4″×19	11×1.9	ZHD-14	11	12	29	19	
1EZ-16-06	M16×1.5	G3/8″×19	11×1.9	ZHD-18	11	12	31	22	
1EZ-18-06	M18×1.5	G3/8″×19	13×1.9	ZHD-18	11	12	31	22	
1EZ-18-08	M18×1.5	G1/2″×14	13×1.9	ZHD-22	11	14	35	30	
1EZ-22-08	M22×1.5	G1/2″×14	16×2.4	ZHD-22	12	14	35	27	
1EZ-27-08	M27×1.5	G1/2″×14	20×2.4	ZHD-22	13	14	37	30	
1EZ-27-12	M27×1.5	G3/4″×14	20×2.4	ZHD-27	13	16	40	32	
1EZ-30-12	M30×1.5	G3/4″×14	24×2 4	ZHD-27	14	16	41	32	
1EZ-30-16	M30×1.5	G1″×14	24×2.4	ZHD-33	14	18	48	41	
1EZ-36-16	M36×2	G1″×11	30×3.1	ZHD-33	16	18	50	41	

Note:1 The parameter of E end O-ring is ring outside diameter and ring width.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 1EZ-14-04-SS means stainless steel adaptor. 1EZ-14-04-EE means brass adaptor. Note:1 The parameter of E end O-ring is ring outside diameter and ring width.

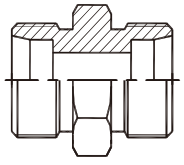


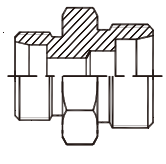
2WE

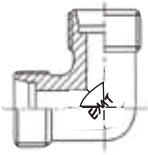
BUTT-WELD TUBE /METRIC FEMALE O-RING

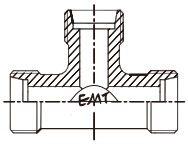
PART NO.	螺纹 THREAD E	TUBE O. D.			DIMENSIONS				
					A	D	S2		
2WE-06-12	M12×1.25	6			8	6	14		
2WE-08-14	M14×1.5	8			8.5	8	17		
2WE-10-16	M16×1.5	10			8.5	10	19		
2WE-12-18	M18×1.5	12			8.5	12	22		
2WE-14-22	M22×1.5	14			10	14	27		
2WE-18-27	M27×1.5	18			10	18	32		
2WE-22-30	M30×1.5	22			11	22	36		
2WE-28-36	M36×2	28			13	28	41		
2WE-30-39	M39×2	30			13	30	46		
2WE-34-42	M42×2	34			15	34	50		
2WE-38-45	M45×2	38			15	38	55		
2WE-42-52	M52×2	42			17	42	60		
2WE-50-60	M60×2	50			20	50	70		
2WE-52-64	M64×2	52			23	52	75		

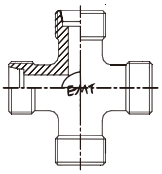
Notes:All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: 2WE-06-12-SS means stainless steel adaptor. 2WE-06-12 means brass adaptor.

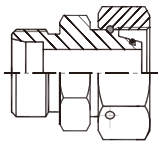
1C/1D 1C/D-RN P133


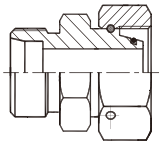
1C/1D 1C/D-RN P134


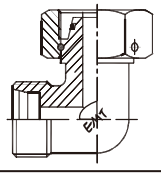
1C/D9 1C/D9-RN P135


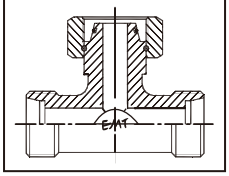
AC/AD AC-RN/AD-RN P136


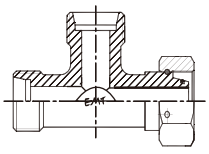
XC/XD XC-RN/XD-RN P137


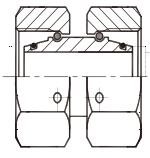
2C/2C-RN P138


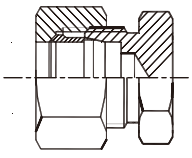
2D/2D-RN P139


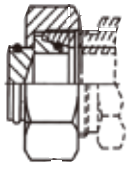
2C/D9 2C/D9-RN P141


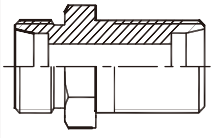
BC/D BC/D-RN P142


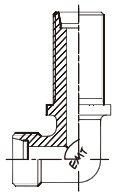
CC/D CC/D-RN P143


3C/3D P144


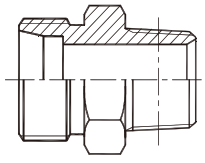
4C/D 4C/D-RN P145


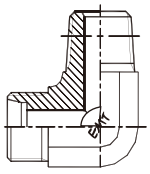
9C/9D P146


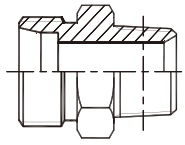
6C/6D P147


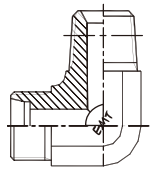
6C9/6D9 P148


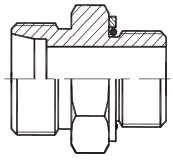
8C P149

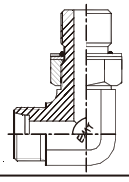
1CN/1DN 1CN/DN-RN P150


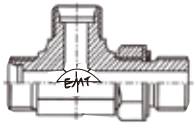
1C/DN9 1C/DN9-RN P151


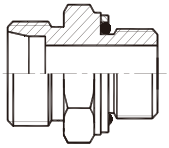
1C/DT-RN 1C/DT-RN/SP P152


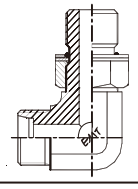
1C/DT9-RN 1C/DT9-RN/SP P153


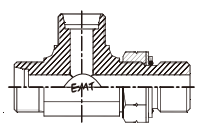
1CH/1DH 1CH/1DH-RN P154


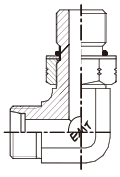
1CH9/1DH9 1CH9/1DH9-RN P156


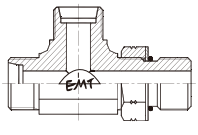
ACCH-OG ADDH-OG P157


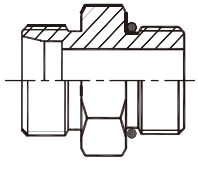
1CG/DG 1CG/DG-RN P158


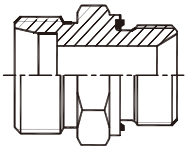
1CG9-OG 1DG9-OG P159


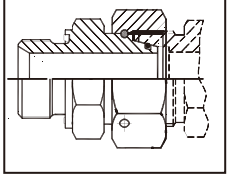
ACCG-OG ADDG-OG P160


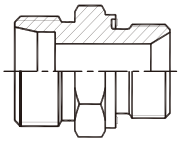
1CO9-OG 1DO9-OG P161


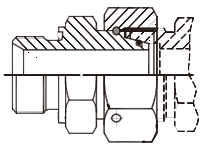
ACCO-OG ADDO-OG P162


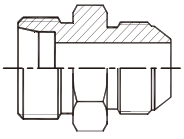
1CO/1DO 1CO/1DO-RN P163


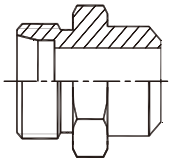
1CB-WD 1DB-WD P164


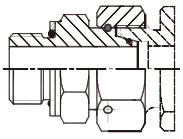
2BC-WD
2BD-WD P165


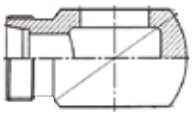
1CM-WD
1DM-WD P166


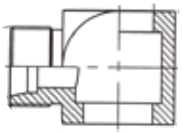
2MC-WD
2MD-WD P167


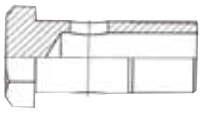
1CJ/1DJ
1CJ/1DJ-RN P168


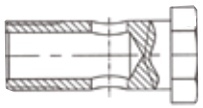
1CW/1DW
1CW/1DW-RN P169


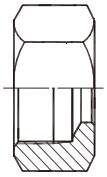
2GC/2GD P170


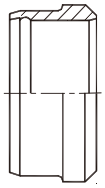
1CI-B/1DI-B
1CI/1DI-B/RN P171


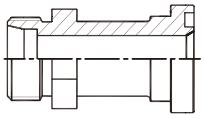
1CI/1DI
1CI/1DI-RN P172


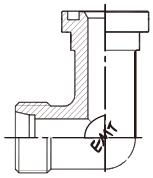
720B P173


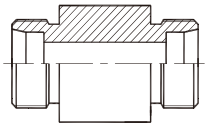
700M P173


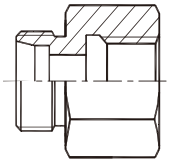
NL/NS P174


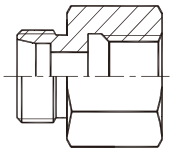
RL/RS P175


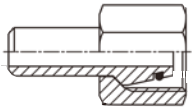
1CFL/1DFL P176


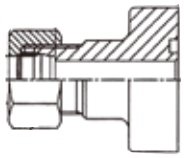
1CFL9/1DFL9 P177


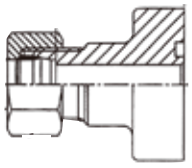
1C-Y/1D-Y P178


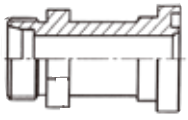
5CB/5DB
5CB/5DB-RN P179


5CM/5DM
5CM/5DM-RN P180


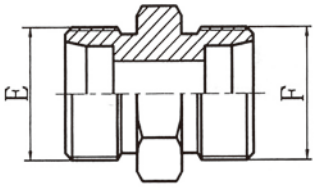
2WC/2WD P181


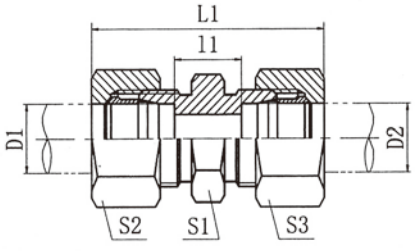
1CFL-W
1DFL-W P182


1DFS-W
1DFS-W/RN P182


1DFS
1DFS-RN P183


1DFS9
1DFS9-RN P183





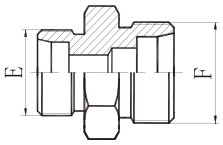
STRAIGHT FITTINGS

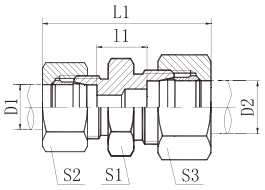
1C 1C-RN

1D 1D-RN

PART NO.	THREAD		TUBE O.D.		DIMENSIONS					MPa
	E	F	D1	D2	I1	L1	S1	S2	S3	
1C-12	M12X1.5	M12X1.5	6	6	10	39	12	14	14	31.5 L
1C-14	M14X1.5	M14X1.5	8	8	11	40	14	17	17	
1C-16	M16X1.5	M16X1.5	10	10	13	42	17	19	19	
1C-18	M18X1.5	M18X1.5	12	12	14	43	19	22	22	
1C-22	M22X1.5	M22X1.5	15	15	16	46	24	27	27	
1C-26	M26X1.5	M26X1.5	18	18	16	48	27	32	32	
1C-30	M30X2	M30X2	22	22	20	52	32	36	36	16 L
1C-36	M36X2	M36X2	28	28	21	54	41	41	41	
1C-45	M45X2	M45X2	35	35	20	63	46	50	50	
1C-52	M52X2	M52X2	42	42	21	66	55	60	60	
1D-14	M14X1.5	M14X1.5	6	6	16	45	14	17	17	63 S
1D-16	M16X1.5	M16X1.5	8	8	18	47	17	19	19	
1D-18	M18X1.5	M18X1.5	10	10	17	49	19	22	22	
1D-20	M20X1.5	M20X1.5	12	12	19	51	22	24	24	
1D-22	M22X1.5	M22X1.5	14	14	22	57	24	27	27	
1D-24	M24X1.5	M24X1.5	16	16	21	57	27	30	30	40 S
1D-30	M30X2	M30X2	20	20	23	66	32	36	36	
1D-36	M36X2	M36X2	25	25	26	74	41	46	46	
1D-42	M42X2	M42X2	30	30	27	80	46	50	50	
1D-52	M52X2	M52X2	38	38	29	90	55	60	60	31.5 S

Note: 1 In case if you are inrerested to order the adapter in complete set with cutting ring nut,it is necessary to insert suffix “RN” after our part NO.for example 1C-30RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 1C-12-SS means stainless steel adaptor. 1C-12-EE means brass adaptor.





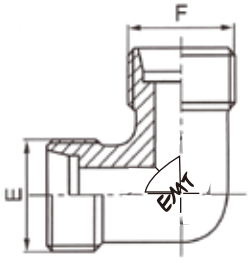
STRAIGHT REDUCERS

1C
1D

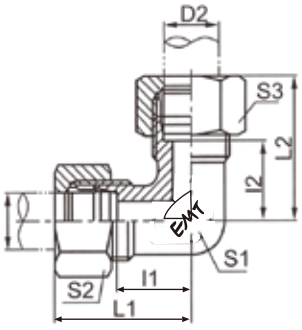
1C-RN
1D-RN

PART NO.	THREAD		TUBE O.D.		DIMENSIONS					MPa
	E	F	D1	D2	L1	l1	S1	S2	S3	
1C-12-14	M12X1.5	M14X1.5	6	8	40	11	14	15	17	31.5 L
1C-12-16	M12X1.5	M16X1.5	6	10	41	12	17	15	19	
1C-14-16	M14X1.5	M16X1.5	8	10	41	13	17	17	19	
1C-12-18	M12X1.5	M18X1.5	6	12	42	13	19	15	22	
1C-14-18	M14X1.5	M18X1.5	8	12	42	13	19	17	22	
1C-16-18	M16X1.5	M18X1.5	10	12	43	14	19	19	22	
1C-16-22	M16X1.5	M22X1.5	10	15	44.5	15	24	19	27	
1C-18-22	M18X1.5	M22X1.5	12	15	44.5	15	24	22	27	
1C-16-26	M16X1.5	M26X1.5	10	18	46	15.5	27	19	32	
1C-18-26	M18X1.5	M26X1.5	12	18	46	15.5	27	22	32	
1C-22-26	M22X1.5	M26X1.5	15	18	47.5	16.5	27	27	32	
1C-18-30	M18X1.5	M30X2	12	22	48	17.5	32	22	36	16 L
1C-22-30	M22X1.5	M30X2	15	22	49.5	18.5	32	27	36	
1C-26-30	M26X1.5	M30X2	18	22	50	18	32	32	36	
1C-26-36	M26X1.5	M36X2	18	28	51.5	19	41	32	41	
1C-30-36	M30X2	M36X2	22	28	53.5	21	41	36	41	
1C-30-45	M30X2	M45X2	22	35	58.5	21	46	36	50	
1C-36-45	M36X2	M45X2	28	35	59	21	46	41	50	
1D-14-16	M14X1.5	M16X1.5	6	8	47	18	17	17	19	63 S
1D-14-18	M14X1.5	M18X1.5	6	10	48	17.5	19	17	22	
1D-16-18	M16X1.5	M18X1.5	8	10	48	17.5	19	19	22	
1D-14-20	M14X1.5	M20X1.5	6	12	50	19.5	22	17	24	
1D-16-20	M16X1.5	M20X1.5	8	12	50	19.5	22	19	24	
1D-18-20	M18X1.5	M20X1.5	10	12	51	19	22	22	24	
1D-18-22	M18X1.5	M22X1.5	10	14	54	20.5	24	22	27	
1D-18-30	M18X1.5	M30X2	10	20	59.5	22	32	22	36	
1D-20-22	M20X1.5	M22X1.5	12	14	54	20.5	24	24	27	40 S
1D-20-30	M20X1.5	M30X2	12	20	59.5	22	32	24	36	
1D-24-30	M24X1.5	M30X2	16	20	62.5	23	32	30	36	
1D-24-36	M24X1.5	M36X2	16	25	67.5	25.5	41	30	46	
1D-30-36	M30X2	M36X2	20	25	71	25.5	41	36	46	
1D-30-42	M30X2	M42X2	20	30	74	26	46	36	50	
1D-36-42	M36X2	M42X2	25	30	77	26.5	46	46	50	
1D-42-52	M42X2	M52X2	30	38	86.5	28.5	55	50	60	31.5S

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 1C-30-36RN.



1C9
1D9

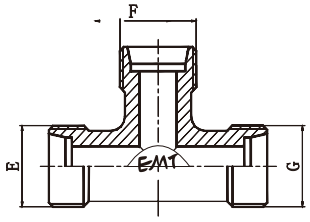


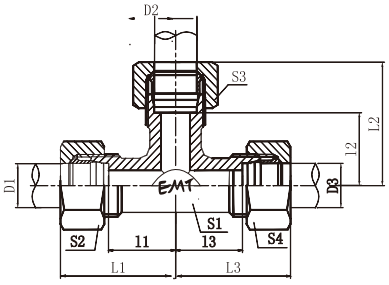
1C9-RN
1D9-RN

90° ELBOW FITTINGS

PART NO.	THREAD		TUBEO.D.		DIMENSIONS				MPa
	E	F	D1	D2	I1, I2	L1, L2	S1	S2, S3	
1C9-12	M12X1.5	M12X1.5	6	6	12	27	12	14	31.5 L
1C9-14	M14X1.5	M14X1.5	8	8	14	29	12	17	
1C9-16	M16X1.5	M16X1.5	10	10	15	30	14	19	
1C9-18	M18X1.5	M18X1.5	12	12	17	32	17	22	
1C9-22	M22X1.5	M22X1.5	15	15	21	36	19	27	
1C9-26	M26X1.5	M26X1.5	18	18	23.5	40	24	32	
1C9-30	M30X2	M30X2	22	22	27.5	44	27	36	16 L
1C9-36	M36X2	M36X2	28	28	30.5	47	36	41	
1C9-45	M45X2	M45X2	35	35	34.5	56	41	50	
1C9-52	M52X2	M52X2	42	42	40	63	50	60	
1D9-14	M14X1.5	M14X1.5	6	6	16	31	12	17	63 S
1D9-16	M16X1.5	M16X1.5	8	8	17	32	14	19	
1D9-18	M18X1.5	M18X1.5	10	10	17.5	34	17	22	
1D9-20	M20X1.5	M20X1.5	12	12	21.5	38	17	24	
1D9-22	M22X1.5	M22X1.5	14	14	22	40	19	27	
1D9-24	M24X1.5	M24X1.5	16	16	24.5	43	24	30	40 S
1D9-30	M30X2	M30X2	20	20	26.5	48	27	36	
1D9-36	M36X2	M36X2	25	25	30	54	36	46	
1D9-42	M42X2	M42X2	30	30	35.5	62	41	50	31.5 S
1D9-52	M52X2	M52X2	38	38	41	72	50	60	

Note: 1 In case if you are interested to order the adapter in completeset with cutting ring and nut , it is necessary to insert suffix "RN" after our part NO. for example 1C9-30RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS". And suffix "EE" for ordering brass adaptor. For example: 1C9-12-SS means stainless steel adaptor. 1C9-12-EE means brass adaptor.





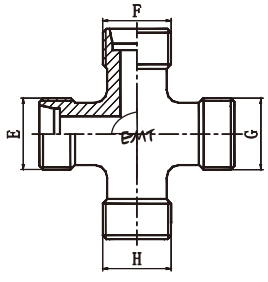
EQUAL TEES

AC AC-RN
AD AD-RN

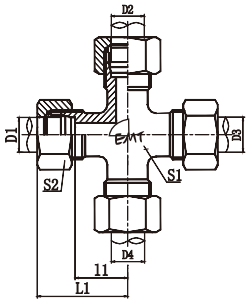
PART NO.	THREAD	TUBE O.D.	DIMENSIONS					MPa
	E ,F ,G	D1 , D2 ,D3	11,12,13	L1,L2,L3	S1	S2,S3,S4		
AC-08	M8X1	4	11	21	9	10		10 LL
AC-10	M10X1	5	9.5	21	9	12		
AC-10LL	M10X1	6	9.5	21	9	12		
AC-12LL	M12X1	8	11.5	23	12	14		
AC-12	M12X1.5	6	12	27	12	14		25 L
AC-14	M14X1.5	8	14	29	12	17		
AC-16	M16X1.5	10	15	30	14	19		
AC-18	M18X1.5	12	17	32	17	22		
AC-22	M22X1.5	15	21	36	19	27		
AC-26	M26X1.5	18	23.5	40	24	32		
AC-30	M30X2	22	27.5	44	27	36		16 L
AC-36	M36X2	28	30.5	47	36	41		
AC-45	M45X2	35	34.5	56	41	50		
AC-52	M52X2	42	40	63	50	60		
AD-14	M14X1.5	6	16	31	12	17		63 S
AD-16	M16X1.5	8	17	32	14	19		
AD-18	M18X1.5	10	17.5	34	17	22		
AD-20	M20X1.5	12	21.5	38	17	24		
AD-22	M22X1.5	14	22	40	19	27		
AD-24	M24X1.5	16	24.5	43	24	30		40 S
AD-30	M30X2	20	26.5	48	27	36		
AD-36	M36X2	25	30	54	36	46		
AD-42	M42X2	30	35.5	62	41	50		
AD-52	M52X2	38	41	72	50	60		31.5 S

Note:1 In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example AC-22RN.

2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS".And suffix "EE" for ordering brass adaptor. For example: AC-08-SS means stainless steel adaptor. AC-08-EE means brass adaptor.



XC
XD



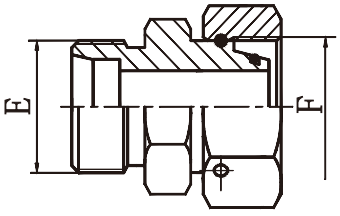
XC-RN
XD-RN

CROSS FITTINGS

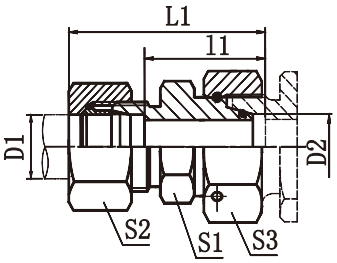
PART NO.	THREAD		TUBE O.D.		DIMENSIONS				MPa
	E, F, G, H		D1, D2, D3, D4		11	L1	S1	S2	
XC-12	M12X1.5		6		12	27	12	14	31.5 L
XC-14	M14X1.5		8		14	29	12	17	
XC-16	M16X1.5		10		15	30	14	19	
XC-18	M18X1.5		12		17	32	17	22	
XC-22	M22X1.5		15		21	36	19	27	
XC-26	M26X1.5		18		23.5	40	24	32	
XC-30	M30X2		22		27.5	44	27	36	16 L
XC-36	M36X2		28		30.5	47	36	41	
XC-45	M45X2		35		34.5	56	41	50	
XC-52	M52X2		42		40	63	50	60	
XD-14	M14X1.5		6		16	31	12	17	63 S
XD-16	M16X1.5		8		17	32	14	19	
XD-18	M18X1.5		10		17.5	34	17	22	
XD-20	M20X1.5		12		21.5	38	17	24	
XD-22	M22X1.5		14		22	40	19	27	
XD-24	M24X1.5		16		24.5	43	24	30	40 S
XD-30	M30X2		20		26.5	48	27	36	
XD-36	M36X2		25		30	54	36	46	
XD-42	M42X2		30		35.5	62	41	50	
XD-52	M52X2		38		41	72	50	60	31.5 S

Note: 1 In case if you are interested to order the adapter in complete set with cutting ring and nut , it is necessary to insert suffix "RN" after our part no., for example XC-30RN.

2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: XC-12-SS means stainless steel adaptor. XC-12-EE means brass adaptor.



2C



2C-RN

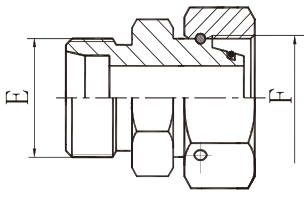
REDUCER TUBE ADAPTOR
WITH SWIVEL NUT

PART NO.	THREAD		TUBE O.D.		DIMENSIONS						MPa
	E	F	D1	D2	11	L1	S1	S2	S3		
2C-12-14	M12X1.5	M14X1.5	6	8	23.5	38	12	14	17		31.5 L
2C-12-16	M12X1.5	M16X1.5	6	10	25	40	14	14	19		
2C-14-16	M14X1.5	M16X1.5	8	10	25	40	14	17	19		
2C-12-18	M12X1.5	M18X1.5	6	12	25	40	17	14	22		
2C-14-18	M14X1.5	M18X1.5	8	12	25	40	17	17	22		
2C-16-18	M16X1.5	M18X1.5	10	12	26	41	17	19	22		
2C-12-22	M12X1.5	M22X1.5	6	15	28.5	43	19	14	27		
2C-14-22	M14X1.5	M22X1.5	8	15	28.5	43	19	17	27		
2C-16-22	M16X1.5	M22X1.5	10	15	29.5	44	19	19	27		
2C-18-22	M18X1.5	M22X1.5	12	15	29.5	44	19	22	27		
2C-12-26	M12X1.5	M26X1.5	6	18	28	43	24	14	32		
2C-14-26	M14X1.5	M26X1.5	8	18	28	43	24	17	32		
2C-16-26	M16X1.5	M26X1.5	10	18	29	44	24	19	32		
2C-18-22	M18X1.5	M22X1.5	12	15	28		22	22	27		
2C-18-26	M18X1.5	M26X1.5	12	18	29	44	24	22	32		
2C-22-26	M22X1.5	M26X1.5	15	18	30	45	24	27	32		
2C-12-30	M12X1.5	M30X2	6	22	32	47	27	14	36		16 L
2C-14-30	M14X1.5	M30X2	8	22	32	47	27	17	36		
2C-16-30	M16X1.5	M30X2	10	22	33	48	27	19	36		
2C-18-30	M18X1.5	M30X2	12	22	33	48	27	22	36		
2C-22-30	M22X1.5	M30X2	15	22	34	49	27	27	36		
2C-26-30	M26X1.5	M30X2	18	22	33.5	50	27	32	36		
2C-12-36	M12X1.5	M36X2	6	28	34	49	36	14	41		
2C-14-36	M14X1.5	M36X2	8	28	34	49	36	17	41		
2C-16-36	M16X1.5	M36X2	10	28	35	50	36	19	41		
2C-18-36	M18X1.5	M36X2	12	28	35	50	36	22	41		
2C-22-36	M22X1.5	M36X2	15	28	36	51	36	27	41		
2C-26-36	M26X1.5	M36X2	18	28	35.5	52	36	32	41		
2C-30-36	M30X2	M36X2	22	28	37.5	54	36	36	41		
2C-12-45	M12X1.5	M45X2	6	35	37	52	41	14	50		
2C-14-45	M14X1.5	M45X2	8	35	37	52	41	17	50		
2C-16-45	M16X1.5	M45X2	10	35	38	53	41	19	50		
2C-18-45	M18X1.5	M45X2	12	35	38	53	41	22	50		
2C-22-45	M22X1.5	M45X2	15	35	39	54	41	27	50		

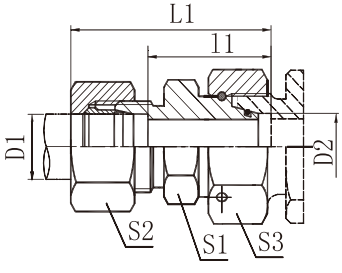
Notes:All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 2C-12-04-SS means stainless steel adaptor. 2C-12-04-EE means brass adaptor.

PART NO.	THREAD		TUBE O.D.			DIMENSIONS					MPa
	E	F	D1	D2	11	L1	S1	S2	S3		
2C-30-45	M30X2	M45X2	22	35	40.5	57	41	36	50		16 L
2C-36-45	M36X2	M45X2	28	35	40.5	57	41	41	50		
2C-12-52	M12X1.5	M52X2	6	42	40.5	55	50	14	60		
2C-14-52	M14X1.5	M52X2	8	42	40.5	55	50	17	60		
2C-16-52	M16X1.5	M52X2	10	42	41.5	56	50	19	60		
2C-18-52	M18X1.5	M52X2	12	42	41.5	56	50	22	60		
2C-22-52	M22X1.5	M52X2	15	42	42.5	58	50	27	60		
2C-26-52	M26X1.5	M52X2	18	42	42	58	50	32	60		
2C-30-52	M30X2	M52X2	22	42	44	60	50	36	60		
2C-36-52	M36X2	M52X2	28	42	44	61	50	41	60		
2C-45-52	M45X2	M52X2	35	42	43	65	50	50	60		

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 2C-30-52RN.



2D



2D-RN

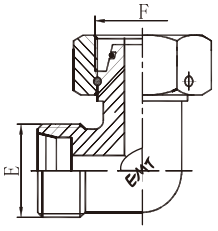
REDUCER TUBE ADAPTOR
WITH SWIVEL NUT

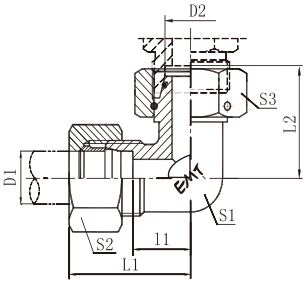
PART NO.	THREAD		TUBE O.D.		DIMENSIONS						MPa
	E	F	D1	D2	11	L1	S1	S2	S3		
2D-14-16	M14X1.5	M16X1.5	6	8	27	42	14	17	19		63 S
2D-14-18	M14X1.5	M18X1.5	6	10	27.5	42	17	17	22		
2D-16-18	M16X1.5	M18X1.5	8	10	27.5	42	17	19	22		
2D-14-20	M14X1.5	M20X1.5	6	12	29	44	17	17	24		
2D-16-20	M16X1.5	M20X1.5	8	12	29	44	17	19	24		
2D-18-20	M18X1.5	M20X1.5	10	12	31	46	19	22	24		
2D-14-22	M14X1.5	M22X1.5	6	14	31.5	46	19	17	27		
2D-16-22	M16X1.5	M22X1.5	8	14	31.5	46	19	19	27		
2D-18-22	M18X1.5	M22X1.5	10	14	31	47	19	22	27		
2D-20-22	M20X1.5	M22X1.5	12	14	31	47	22	24	27		

PART NO.	THREAD		TUBE O.D.		DIMENSIONS						MPa
	E	F	D1	D2	11	L1	S1	S2	S3		
2D-14-24	M14X1.5	M24X1.5	6	16	32	47	22	17	30		40 S
2D-16-24	M16X1.5	M24X1.5	8	16	32	47	22	19	30		
2D-18-24	M18X1.5	M24X1.5	10	16	31.5	48	22	22	30		
2D-20-24	M20X1.5	M24X1.5	12	16	31.5	48	22	24	30		
2D-22-24	M22X1.5	M24X1.5	14	16	33	51	24	27	30		
2D-14-30	M14X1.5	M30X2	6	20	36	51	27	17	36		
2D-16-30	M16X1.5	M30X2	8	20	36	51	27	19	36		
2D-18-30	M18X1.5	M30X2	10	20	36	52	27	22	36		
2D-20-30	M20X1.5	M30X2	12	20	36.5	52	27	24	36		
2D-22-30	M22X1.5	M30X2	14	20	37	55	27	27	36		
2D-24-30	M24X1.5	M30X2	16	20	37.5	55	30	30	36		
2D-14-36	14X1.5	M36X2	6	25	38.5	53	36	17	46		
2D-16-36	16X1.5	M36X2	8	25	38.5	53	36	19	46		
2D-18-36	18X1.5	M36X2	10	25	38	54	36	22	46		
2D-20-36	20X1.5	M36X2	12	25	38	54	36	24	46		
2D-22-36	22X1.5	M36X2	14	25	39.5	57	36	27	46		
2D-24-36	24X1.5	M36X2	16	25	39	57	36	30	46		
2D-30-36	30X2	M36X2	20	25	39	61	36	36	46		
2D-14-42	14X1.5	M42X2	6	30	44	59	41	17	50		
2D-16-42	16X1.5	M42X2	8	30	44	59	41	19	50		
2D-18-42	18X1.5	M42X2	10	30	43.5	60	41	22	50		
2D-20-42	20X1.5	M42X2	12	30	43.5	60	41	24	50		
2D-22-42	22X1.5	M42X2	14	30	45	63	41	27	50		
2D-24-42	24X1.5	M42X2	16	30	44.5	63	41	30	50		
2D-30-36	30X2	M36X2	20	25	40		41	36	46		
2D-30-42	30X2	M42X2	20	30	44.5	66	41	36	50		
2D-36-42	36X2	M42X2	25	30	44	69	41	46	50		
2D-14-52	14X1.5	M52X2	6	38	47.6	62	50	17	60		31.5 S
2D-16-52	16X1.5	M52X2	8	38	47.5	62	50	19	60		
2D-18-52	18X1.5	M52X2	10	38	47	63	50	22	60		
2D-20-52	20X1.5	M52X2	12	38	47	63	50	24	60		
2D-22-52	22X1.5	M52X2	14	38	48.5	66	50	27	60		
2D-24-52	24X1.5	M52X2	16	38	48	66	50	30	60		
2D-30-52	30X2	M52X2	20	38	48	70	50	36	60		
2D-36-52	36X2	M52X2	25	38	48.5	73	50	46	60		
2D-42-52	42X2	M52X2	30	38	49	76	50	50	60		

Note:1 In case if you are interested to order the adapter in complete set with cutting ring and nut , it is necessary to insert suffix "RN" after our part no., for example 2D-30-52RN.

2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" And suffix "EE" for ordering brass adaptor. For example: 2D-14-24-SS means stainless steel adaptor. 2D-14-24-EE means brass adaptor.



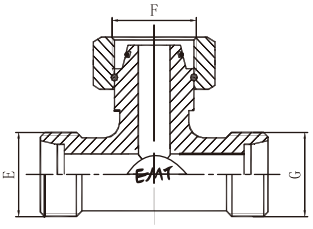


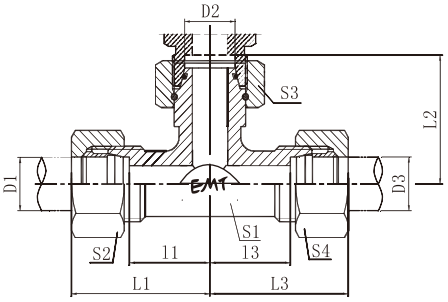
90° ELBOW REDUCER TUBE
ADAPTOR WITH SWIVEL NUT

2C9 2C9-RN
2D9 2D9-RN

PART NO.	THREAD		TUBE O.D.		DIMENSIONS						MPa
	E	F	D1	D2	11	L1	L2	S1	S2	S3	
2C9-12	M12X1.5	M12X1.5	6	6	12	27	26	12	14	14	25 L
2C9-14	M14X1.5	M14X1.5	8	8	14	29	27.5	12	17	17	
2C9-16	M16X1.5	M16X1.5	10	10	15	30	29	14	19	19	
2C9-18	M18X1.5	M18X1.5	12	12	17	32	29.5	17	22	22	
2C9-22	M22X1.5	M22X1.5	15	15	21	36	32.5	19	27	27	
2C9-26	M26X1.5	M26X1.5	18	18	23.5	40	35.5	24	32	32	
2C9-30	M30X2	M30X2	22	22	27.5	44	38.5	27	36	36	16 L
2C9-36	M36X2	M36X2	28	28	30.5	47	41.5	36	41	41	
2C9-45	M45X2	M45X2	35	35	34.5	56	51	41	50	50	
2C9-52	M52X2	M52X2	42	42	40	63	56	50	60	60	
2D9-14	M14X1.5	M14X1.5	6	6	16	31	27	12	17	17	63 S
2D9-16	M16X1.5	M16X1.5	8	8	17	32	27.5	14	19	19	
2D9-18	M18X1.5	M18X1.5	10	10	17.5	34	30	17	22	22	
2D9-20	M20X1.5	M20X1.5	12	12	21.5	38	31	17	24	24	
2D9-22	M22X1.5	M22X1.5	14	14	22	40	35	19	27	27	
2D9-24	M24X1.5	M24X1.5	16	16	24.5	43	36.5	24	30	30	40 S
2D9-30	M30X2	M30X2	20	20	26.5	48	44.5	27	36	36	
2D9-36	M36X2	M36X2	25	25	30	54	50	36	46	46	
2D9-42	M42X2	M42X2	30	30	35.5	62	55	41	50	50	
2D9-52	M52X2	M52X2	38	38	41	72	63	50	60	60	31.5 S

Note:1 In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 2C9-30RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 2C9-12-SS means stainless steel adaptor. 2C9-12-EE means brass adaptor.





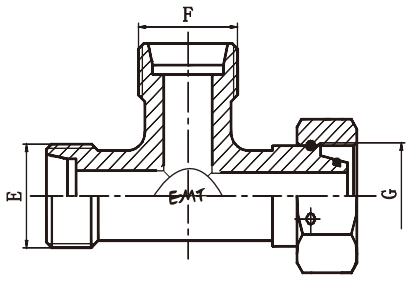
BRANCH TEE FITTINGS WITH SWIVEL NUT

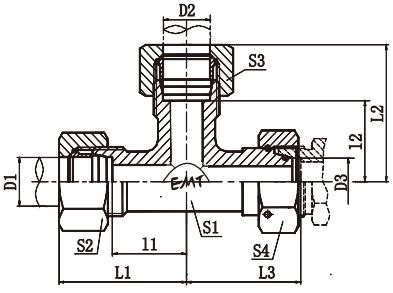
BC
BD

BC-RN
BD-RN

PART NO.	THREAD		TUBE O.D.		DIMENSIONS						MPa
	E, G	F	D1, D3	D2	11, 13	L1, L3	L2	S1	S2, S4	S3	
BC-12	M12X1.5	M12X1.5	6	6	12	27	26	12	14	14	31.5 L
BC-14	M14X1.5	M14X1.5	8	8	14	29	27.5	12	17	17	
BC-16	M16X1.5	M16X1.5	10	10	15	30	29	14	19	19	
BC-18	M18X1.5	M18X1.5	12	12	17	32	29.5	17	22	22	
BC-22	M22X1.5	M22X1.5	15	15	21	36	32.5	19	27	27	
BC-26	M26X1.5	M26X1.5	18	18	23.5	40	35.5	24	32	32	
BC-30	M30X2	M30X2	22	22	27.5	44	38.5	27	36	36	16 L
BC-36	M36X2	M36X2	28	28	30.5	47	41.5	36	41	41	
BC-45	M45X2	M45X2	35	35	34.5	56	51	41	50	50	
BC-52	M52X2	M52X2	42	42	40	63	56	50	60	60	
BD-14	M14X1.5	M14X1.5	6	6	16	31	27	12	17	17	63 S
BD-16	M16X1.5	M16X1.5	8	8	17	32	27.5	14	19	19	
BD-18	M18X1.5	M18X1.5	10	10	17.5	34	30	17	22	22	
BD-20	M20X1.5	M20X1.5	12	12	21.5	38	31	17	24	24	
BD-22	M22X1.5	M22X1.5	14	14	22	40	35	19	27	27	
BD-24	M24X1.5	M24X1.5	16	16	24.5	43	36.5	24	30	30	40 S
BD-30	M30X2	M30X2	20	20	26.5	48	44.5	27	36	36	
BD-36	M36X2	M36X2	25	25	30	54	50	36	46	46	
BD-42	M42X2	M42X2	30	30	35.5	62	55	41	50	50	
BD-52	M52X2	M52X2	38	38	41	72	63	50	60	60	31.5 S

Note: 1 In case if you are interested to order the adapter in complete set with cutting ring and nut , it is necessary to insert suffix "RN" after our part no., for example BC-30RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: BC-12-SS means stainless steel adaptor. BC-12-EE means brass adaptor.





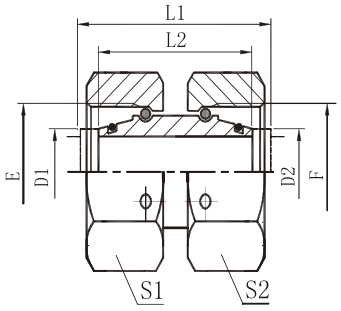
BARREL TEE FITTINGS WITH SWIVEL NUT

CC CC-RN
CD CD-RN

PART NO.	THREAD		TUBE O.D.		DIMENSIONS						MPa
	E,F	G	D1,D2	D3	l1,l2	L1,L2	L3	S1	S2,S3	S4	
CC-12	M12X1.5	M12X1.5	6	6	12	27	26	12	14	14	31.5 L
CC-14	M14X1.5	M14X1.5	8	8	14	29	27.5	12	17	17	
CC-16	M16X1.5	M16X1.5	10	10	15	30	29	14	19	19	
CC-18	M18X1.5	M18X1.5	12	12	17	32	29.5	17	22	22	
CC-22	M22X1.5	M22X1.5	15	15	21	36	32.5	19	27	27	
CC-26	M26X1.5	M26X1.5	18	18	23.5	40	35.5	24	32	32	
CC-30	M30X2	M30X2	22	22	27.5	44	38.5	27	36	36	16 L
CC-36	M36X2	M36X2	28	28	30.5	47	41.5	36	41	41	
CC-45	M45X2	M45X2	35	35	34.5	56	51	41	50	50	
CC-52	M52X2	M52X2	42	42	40	63	56	50	60	60	
CD-14	M14X1.5	M14X1.5	6	6	16	31	27	12	17	17	63 S
CD-16	M16X1.5	M16X1.5	8	8	17	32	27.5	14	19	19	
CD-18	M18X1.5	M18X1.5	10	10	17.5	34	30	17	22	22	
CD-20	M20X1.5	M20X1.5	12	12	21.5	38	31	17	24	24	
CD-22	M22X1.5	M22X1.5	14	14	22	40	35	19	27	27	
CD-24	M24X1.5	M24X1.5	16	16	24.5	43	36.5	24	30	30	40 S
CD-30	M30X2	M30X2	20	20	26.5	48	44.5	27	36	36	
CD-36	M36X2	M36X2	25	25	30	54	50	36	46	46	
CD-42	M42X2	M42X2	30	30	35.5	62	55	41	50	50	
CD-52	M52X2	M52X2	38	38	41	72	63	50	60	60	31.5 S

Note:1 In case if you are interested to order the adapter in complete set with cutting ring and nut , it is necessary to insert suffix "RN" after our part no., for example CC-30RN.

2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS". And suffix "EE" for ordering brass adaptor. For example: CC-12-SS means stainless steel adaptor. CC-12-EE means brass adaptor.

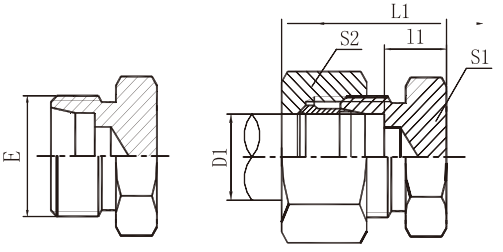


3C
3D

STRAIGHT TUBE ADAPTERS WITH SWIVEL NUT

PART NO.	THREAD	TUBE O.D.	DIMENSIONS			MPa
	E,F	D1,D2	L1	L2	S1,S2	
3C-12	M12X1.5	6	33	32	14	31.5 L
3C-14	M14X1.5	8	33	32	17	
3C-16	M16X1.5	10	34	33	19	
3C-18	M18X1.5	12	34	33	22	
3C-22	M22X1.5	15	39	38	27	
3C-26	M26X1.5	18	38	36	32	
3C-30	M30X2	22	44	42	36	16 L
3C-36	M36X2	28	48	46	41	
3C-45	M45X2	35	52	48	50	
3C-52	M52X2	42	57	52	60	
3D-14	M14X1.5	6	33	32	17	63 S
3D-16	M16X1.5	8	34	33	19	
3D-18	M18X1.5	10	35	33	22	
3D-20	M20X1.5	12	38	36	24	
3D-22	M22X1.5	14	41	39	27	
3D-24	M24X1.5	16	42	39	30	40 S
3D-30	M30X2	20	48	44	36	
3D-36	M36X2	25	53	46	46	
3D-42	M42X2	30	62	52	50	
3D-52	M52X2	38	67	52	60	31.5 S

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS". And suffix "EE" for ordering brass adaptor. For example: 3C-12-SS means stainless steel adaptor. 3C-12-EE means brass adaptor.

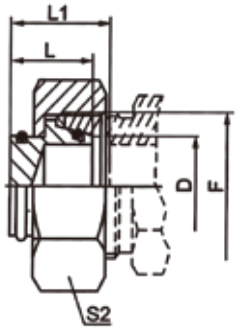


PLUG

4C 4C-RN
4D 4D-RN

PART NO.	THREAD	TUBE O.D.	DIMENSIONS						MPa
	E	D1	11	L1	S1	S2			
4C-12	M12x1.5	6	7	22	12	14			31.5 L
4C-14	M14x1.5	8	8	23	14	17			
4C-16	M16x1.5	10	9	24	17	19			
4C-18	M18x1.5	12	10	25	19	22			
4C-22	M22x1.5	15	11	26	24	27			
4C-26	M26X1.5	18	11.5	28	27	32			
4C-30	M30x2	22	13.5	30	32	36			16 L
4C-36	M36x2	28	14.5	31	41	41			
4C-45	M45X2	35	14.5	36	46	50			
4C-52	M52X2	42	16	39	55	60			
4D-14	M14X1.5	6	11	26	14	17			63 S
4D-16	M16X1.5	8	13	28	17	19			
4D-18	M18x1.5	10	12.5	29	19	22			
4D-20	M20x1.5	12	14.5	31	22	24			
4D-22	M22x1.5	14	16	34	24	27			
4D-24	M24x1.5	16	15.5	34	27	30			40 S
4D-30	M30x2	20	17.5	39	32	36			
4D-36	M36x2	25	20	44	41	46			
4D-42	M42x2	30	20.5	47	46	50			
4D-52	M52X2	38	23	54	55	60			31.5 S

Note:1 In case if you are interested to order the adapter in complete set with cutting ring and nut , it is necessary to insert suffix "RN" after our part no., for example 4C-30RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS". And suffix "EE" for ordering brass adaptor. For example: 4C-12-SS means stainless steel adaptor. 4C-12-EE means brass adaptor.

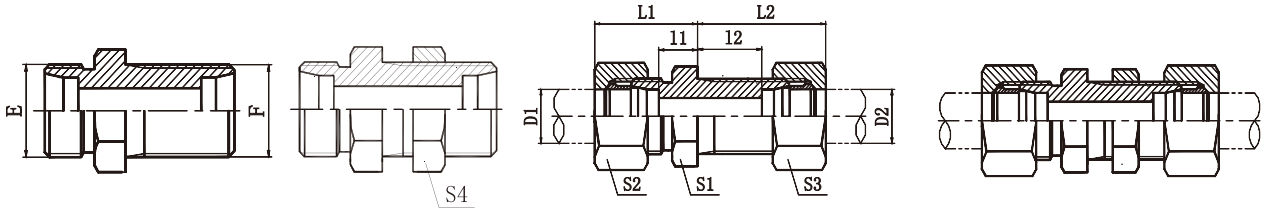


9C
9D

FEMALE PLUG

PART NO.	THREAD		TUBE O.D.		DIMENSIONS				MPa
		F	D		L	L1	S2		
9C-12		M12X1.5	6		15.5	17.5	14		31.5 L
9C-14		M14X1.5	8		15.5	18	17		
9C-16		M16X1.5	10		16.5	18	19		
9C-18		M18X1.5	12		18	19.5	22		
9C-22		M22X1.5	15		19.5	20	27		
9C-26		M26X1.5	18		20	22	32		
9C-30		M30X2	22		21.5	22.5	36		16 L
9C-36		M36X2	28		22.5	24.5	41		
9C-45		M45X2	35		25	29	55		
9C-52		M52X2	42		27	31.5	60		
9D-14		M14X1.5	6		16	18	17		63 S
9D-16		M16X1.5	8		16.5	18.5	19		
9D-18		M18X1.5	10		18	20	22		
9D-20		M20X1.5	12		18.5	20.5	24		
9D-22		M22X1.5	14		19	21.5	27		
9D-24		M24X1.5	16		18.5	21.5	30		40 S
9D-30		M30X2	20		22.5	25	36		
9D-36		M36X2	25		23.5	28.5	46		
9D-42		M42X2	30		25.5	32	50		
9D-52		M52X2	38		26.5	36	60		

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 9C-12-SS means stainless steel adaptor. 9C-12-EE means brass adaptor.

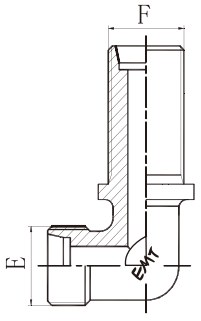


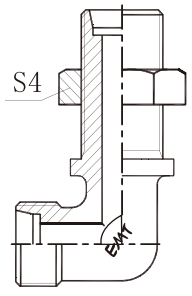
6C 6C-LN 6C-RN 6C-LN/RN
6D 6D-LN 6D-RN 6D-LN/RN

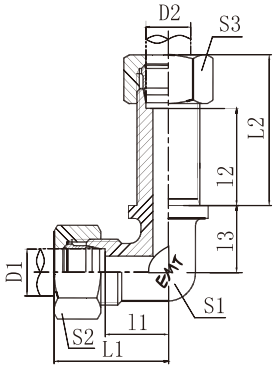
STRAIGHT BULKHEAD FITTINGS

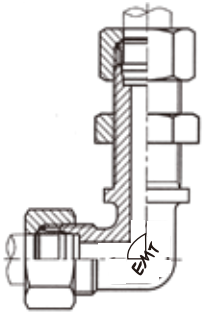
PART NO.	THREAD		TUBE O.D.		DIMENSIONS							MPa
	E	F	D1	D2	11	12	L1	L2	S1	S2, S3	S4	
6C-12	M12X1.5	M12X1.5	6	6	7	27	22	42	17	14	17	31.5 L
6C-14	M14X1.5	M14X1.5	8	8	8	27	23	42	19	17	19	
6C-16	M16X1.5	M16X1.5	10	10	10	28	25	43	22	19	22	
6C-18	M18X1.5	M18X1.5	12	12	10	29	25	44	24	22	24	
6C-22	M22X1.5	M22X1.5	15	15	12	31	27	46	27	27	30	
6C-26	M26X1.5	M26X1.5	18	18	13.5	32.5	30	49	32	32	36	
6C-30	M30X2	M30X2	22	22	16.5	34.5	33	51	36	36	41	16 L
6C-36	M36X2	M36X2	28	28	18.5	35.5	35	52	41	41	41	
6C-45	M45X2	M45X2	35	35	18.5	36.5	40	58	50	50	55	
6C-52	M52X2	M52X2	42	42	19	36	42	59	60	60	65	
6D-14	M14X1.5	M14X1.5	6	6	12	29	27	44	19	17	19	63 S
6D-16	M16X1.5	M16X1.5	8	8	13	29	28	44	22	19	22	
6D-18	M18X1.5	M18X1.5	10	10	14.5	29.5	31	46	24	22	24	
6D-20	M20X1.5	M20X1.5	12	12	14.5	30.5	31	47	27	24	27	
6D-22	M22X1.5	M22X1.5	14	14	17	32	35	50	30	27	30	
6D-24	M24X1.5	M24X1.5	16	16	16.5	31.5	35	50	32	30	32	40 S
6D-30	M30X2	M30X2	20	20	17.5	33.5	39	55	41	36	41	
6D-36	M36X2	M36X2	25	25	20	35	44	59	46	46	41	
6D-42	M42X2	M42X2	30	30	21.5	37.5	48	64	50	50	50	
6D-52	M52X2	M52X2	38	38	22	37	53	68	65	60	65	31.5 S

Note:1 ln case if you are interested to order the adapter with lock nut, please insert suffix "LN" af ter our part no.
for example 6C-30LN, order the adapter with cutting ring and nut, insert suffix "RN" after our part no.
for example 6C-30RN, order the adapter with lock nut and cutting ring and nut, insert suffix "LN/RN" after our part no.
for example 6C-30LN/RN.







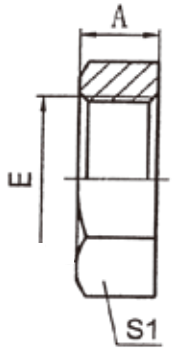


6C9 6C9-LN 6C9-RN 6C9-LN/RN
6D9 6D9-LN 6D9-RN 6D9-LN/RN

90° ELBOW BULKHEAD FITTINGS

PART NO.	THREAD		TUBE O.D.		DIMENSIONS								MPa
	E	F	D1	D2	11	12	13	L1	L2	S1	S2, S3	S4	
6C9-12	M12X1.5	M12X1.5	6	6	27	12	14	42	27	12	14	17	31.5 L
6C9-14	M14X1.5	M14X1.5	8	8	27	14	17	42	29	12	17	19	
6C9-16	M16X1.5	M16X1.5	10	10	28	15	18	43	30	14	19	22	
6C9-18	M18X1.5	M18X1.5	12	12	29	17	20	44	32	17	22	24	
6C9-22	M22X1.5	M22X1.5	15	15	31	21	23	46	36	19	27	30	
6C9-26	M26X1.5	M26X1.5	18	18	32.5	23.5	24	49	40	24	32	36	
6C9-30	M30X2	M30X2	22	22	34.5	27.5	30	51	44	27	36	41	16 L
6C9-36	M36X2	M36X2	28	28	35.5	30.5	34	52	47	36	41	41	
6C9-45	M45X2	M45X2	35	35	36.5	34.5	39	58	56	41	50	55	
6C9-52	M52X2	M52X2	42	42	36	40	43	59	63	50	60	65	
6D9-14	M14X1.5	M14X1.5	6	6	29	16	17	44	31	12	17	19	63 S
6D9-16	M16X1.5	M16X1.5	8	8	29	17	18	44	32	14	19	22	
6D9-18	M18X1.5	M18X1.5	10	10	29.5	17.5	20	46	34	17	22	24	
6D9-20	M20X1.5	M20X1.5	12	12	30.5	21.5	21	47	38	17	24	27	
6D9-22	M22X1.5	M22X1.5	14	14	32	22	23	50	40	19	27	30	
6D9-24	M24X1.5	M24X1.5	16	16	31.5	24.5	24	50	43	24	30	32	40 S
6D9-30	M30X2	M30X2	20	20	33.5	26.5	30	55	48	27	36	41	
6D9-36	M36X2	M36X2	25	25	35	30	34	59	54	36	46	41	
6D9-42	M42X2	M42X2	30	30	37.5	35.5	39	64	62	41	50	50	
6D9-52	M52X2	M52X2	38	38	37	41	43	68	72	50	60	65	31.5 S

Note:1 ln case if you are interested to order the adapter with lock nut,please insert suffix "LN" af ter our part no.
for example 6C9-30LN,order the adapter with cutting ring and nut, insert suffix "RN" after our part no.
for example 6C9-30RN,order the adapter with lock nut and cutting ring and nut, insert suffix "LN/RN" after our part no.
for example 6C9-30LN/RN.

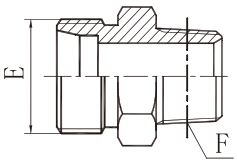


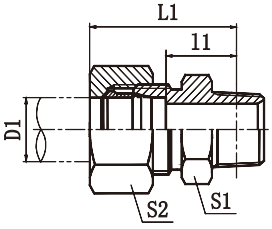
8C

METRIC LOCK NUT

PART NO.	THREAD				DIMENSIONS				
	E				A	S1			
8C-10	M10X1				6	14			
8C-12	M12X1.5				7.5	17			
8C-14	M14X1.5				7.5	19			
8C-16	M16X1.5				7.5	22			
8C-18	M18X1.5				7.5	24			
8C-20	M20X1.5				8	27			
8C-22	M22X1.5				8	27			
8C-24	M24X1.5				8	30			
8C-26	M26X1,5				8	32			
8C-27D	M27X1.5				10	32			
8C-27	M27X2				10	32			
8C-30	M30X2				10	36			
8C-30D	M30X1.5				10	36			
8C-33	M33X2				10	41			
8C-36	M36X2				10	41			
8C-39	M39X2				10	46			
8C-42	M42X2				10	50			
8C-45	M45X2				10	55			
8C-52	M52X2				10	60			

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 8C-10-SS means stainless steel adaptor. 8C-10-EE means brass adaptor.



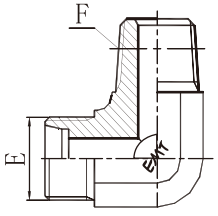


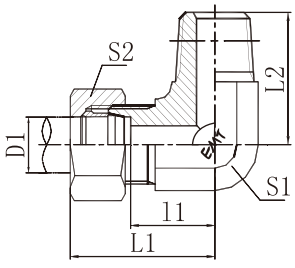
NPT MALE

1CN
1DN

1CN-RN
1DN-RN

PART NO.	THREAD		TUBE O.D.	DIMENSIONS					MPa
	E	F	D1	11	L1	S1	S2		
1CN-12-02	M12X1.5	Z1/8"X27	6	13.4	28.4	12	14		25 L
1CN-12-04	M12X1.5	Z1/4"X18	6	17.2	32.2	17	14		
1CN-14-04	M14X1.5	Z1/4"X18	8	17.2	32.2	14	17		
1CN-16-04	M16X1.5	Z1/4"X18	10	18.2	33.2	17	19		
1CN-16-06	M16X1.5	Z3/8"X18	10	19.9	34.9	19	19		
1CN-18-04	M18X1.5	Z1/4"X18	12	19.2	34.2	19	22		
1CN-18-06	M18X1.5	Z3/8"X18	12	19.9	34.9	19	22		
1CN-18-08	M18X1.5	Z1/2"X14	12	21.4	36.4	22	22		
1CN-22-08	M22X1.5	Z1/2"X14	15	22.4	37.4	24	27		
1CN-22-20	M22X1.5	Z1.1/4"X11.5	15	29.8	37.4	46	27		
1CN-26-08	M26X1.5	Z1/2"X14	18	22.9	39.4	27	32		16 L
1CN-26-12	M26X1.5	Z3/4"X14	18	22.4	38.9	30	32		
1CN-30-12	M30X2	Z3/4"X14	22	24.4	40.9	32	36		
1CN-36-16	M36X2	Z1"X11.5	28	29.8	46.3	41	41		
1CN-36-20	M36X2	Z1.1/4"X11.5	28	31.3	46.3	46	41		
1CN-45-20	M45X2	Z1.1/4"X11.5	35	30.3	51.8	46	50		
1CN-52-20	M52X2	Z1.1/4"X11.5	42	31.8	55.8	55	60		
1CN-52-24	M52X2	Z1.1/2"X11.5	42	32.8	55.8	55	60		40 S
1DN-14-04	M14X1.5	Z1/4"X18	6	22.2	37.2	17	17		
1DN-16-04	M16X1.5	Z1/4"X18	8	22.2	37.2	17	19		
1DN-18-04	M18X1.5	Z1/4"X18	10	21.7	38.2	19	22		
1DN-18-06	M18X1.5	Z3/8"X18	10	22.4	38.9	19	22		
1DN-20-04	M20X1.5	Z1/4"X18	12	23.7	40.2	22	24		
1DN-20-06	M20X1.5	Z3/8"X18	12	24.4	40.9	22	24		
1DN-20-08	M20X1.5	Z1/2"X14	12	25.9	42.4	22	24		
1DN-22-08	M22X1.5	Z1/2"X14	14	27.4	45.4	24	27		
1DN-24-08	M24X1.5	Z1/2"X14	16	26.9	45.4	27	30		
1DN-30-12	M30X2	Z3/4"X14	20	28.4	49.9	32	36		25 S
1DN-36-16	M36X2	Z1"X11.5	25	35.3	59.3	41	46		
1DN-42-16	M42X2	Z1"X11.5	30	35.8	59.3	46	46		
1DN-42-20	M42X2	Z1.1/4"X11.5	30	36.3	62.8	46	50		





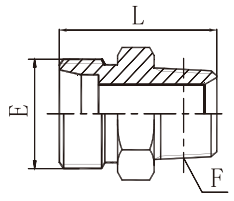
90° ELBOW NPT MALE

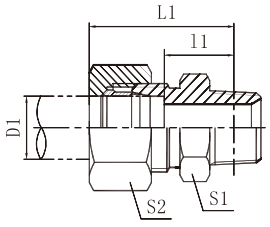
1CN9
1DN9

1CN9-RN
1DN9-RN

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E	F	D1	11	L1	L2	S1	S2		
1CN9-12-02	M12X1.5	Z1/8"X27	6	13	28	21	11	14		25 L
1CN9-12-04	M12X1.5	Z1/4"X18	6	15.5	30.5	25.5	14	14		
1CN9-14-04	M14X1.5	Z1/4"X18	8	15.5	30.5	25.5	14	17		
1CN9-16-06	M16X1.5	Z3/8"X18	10	17.5	32.5	29.5	16	19		
1CN9-18-04	M18X1.5	Z1/4"X18	12	19	34	28	19	22		
1CN9-18-06	M18X1.5	Z3/8"X18	12	19	34	31	19	22		
1CN9-18-08	M18X1.5	Z1/2"X14	12	21	36	36.7	22	22		
1CN9-22-06	M22X1.5	Z3/8"X18	15	22	37	32.5	22	27		
1CN9-22-08	M22X1.5	Z1/2"X14	15	22	37	36.7	22	27		
1CN9-26-08	M26X1.5	Z1/2"X14	18	25.5	42	40	27	32		16 L
1CN9-26-12	M26X1.5	Z3/4"X14	18	25.5	42	44	27	32		
1CN9-30-12	M30X2	Z3/4"X14	22	29.3	45.8	45	30	36		
1CN9-30-16	M30X2	Z1"X11.5	22	32	49.8	50	33	36		
1CN9-36-16	M36X2	Z1"X11.5	28	33.3	49.8	51.5	36	41		
1CN9-45-20	M45X2	Z1.1/4"X11.5	35	39.2	60.7	63	48	50		
1CN9-52-24	M52X2	Z1.1/2"X11.5	42	44.8	67.8	65	55	60		
1DN9-14-04	M14X1.5	Z1/4"X18	6	17.5	32.5	25.5	14	17		40 S
1DN9-16-04	M16X1.5	Z1/4"X18	8	18.5	33.7	26.5	16	19		
1DN9-18-06	M18X1.5	Z3/8"X18	10	19.5	36	31	19	22		
1DN9-20-04	M20X1.5	Z1/4"X18	12	19.5	36	28	19	24		
1DN9-20-06	M20X1.5	Z3/8"X18	12	19.5	36	31	19	24		
1DN9-22-06	M22X1.5	Z3/8"X18	14	23	41	32.5	22	27		
1DN9-22-08	M22X1.5	Z1/2"X14	14	23	41	36.7	22	27		
1DN9-24-06	M24X1.5	Z3/8"X18	16	24	42.5	33.5	24	30		
1DN9-24-08	M24X1.5	Z1/2"X14	16	24	42.5	37.5	24	30		
1DN9-30-12	M30X2	Z3/4"X14	20	28	49.8	45	30	36		25 S
1DN9-36-16	M36X2	Z1"X11.5	25	32.8	56.8	51.5	36	46		
1DN9-42-16	M42X2	Z1"X11.5	30	36.2	62.7	54.5	41	50		
1DN9-42-20	M42X2	Z1.1/4"X11.5	30	36.2	62.7	54.5	41	50		
1DN9-52-20	M52X2	Z1.1/4"X11.5	38	45.8	76.8	65	55	60		
1DN9-52-24	M52X2	Z1.1/2"X11.5	38	45.8	76.8	65	55	60		

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 1CN9-30-12RN.





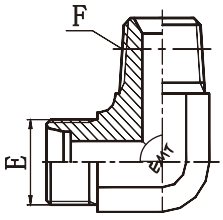
BSPT MALE

1CT-SP
1DT-SP

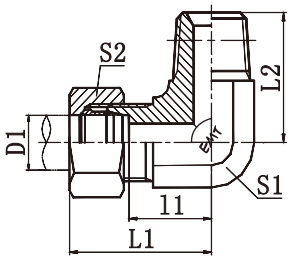
1CT-SP/RN
1DT-SP/RN

PART NO.	THREAD E	THREAD F	TUBE O.D. D	DIMENSIONS 11	L1	S1	S2			MPa
1CT-12-02SP	M12x1.5	R1/8″x28	6	13	28	12	14			25 L
1CT-12-04SP	M12x1.5	R1/4″x19	6	14	30.5	14	14			
1CT-14-04SP	M14x1.5	R1/4″x19	8	16.5	31.5	14	17			
1CT-14-06SP	M14x1.5	R3/8″x19	8	17.6	32.6	19	17			
1CT-16-04SP	M16x1.5	R1/4″x19	10	17.5	32.5	17	19			
1CT-16-06SP	M16x1.5	R3/8″x19	10	18.6	33.6	19	19			
1CT-16-08SP	M16x1.5	R1/2″x14	10	21.8	36.8	22	19			
1CT-16-12SP	M16x1.5	R3/4″x14	10	21.5	36.5	30	19			
1CT-18-04SP	M18x1.5	R1/4″x19	12	18.5	33.5	19	22			
1CT-18-06SP	M18x1.5	R3/8″x19	12	18.6	33.6	19	22			
1CT-18-08SP	M18x1.5	R1/2″x14	12	21.8	36.8	22	22			
1CT-22-08SP	M22x1.5	R1/2″x14	15	22.8	37.8	24	27			
1CT-26-12SP	M26x1.5	R3/4″x14	18	22	38.5	30	32			16 L
1CT-30-12SP	M30x2	R3/4″x14	22	24	40.5	32	36			
1CT-36-16SP	M36x2	R1″x11	28	29.6	46.1	38	41			
1CT-36-20SP	M36x2	R1.1/4″x11	28	29.3	45.8	46	41			
1CT-45-16SP	M45x2	R1″x11	35	29.6	51.1	46	50			
1CT-45-20SP	M45x2	R1.1/4″x11	35	28.3	49.8	46	50			
1CT-52-20SP	M52x2	R1.1/4″x11	42	29.8	52.8	55	60			
1CT-52-24SP	M52x2	R1.1/2″x11	42	29.8	52.8	55	60			
1DT-14-04SP	M14x1.5	R1/4″x19	6	13	36.5	17	17			40 S
1DT-16-04SP	M16x1.5	R1/4″x19	8	21.5	36.5	17	19			
1DT-18-04SP	M18x1.5	R1/4″x19	10	21	37.5	19	22			
1DT-20-04SP	M20x1.5	R1/4″x19	12	23	39.5	22	24			
1DT-20-06SP	M20x1.5	R3/8″x19	12	23.1	39.6	22	24			
1DT-22-06SP	M22x1.5	R3/8″x19	14	24.6	42.6	24	27			
1DT-22-08SP	M22x1.5	R1/2″x14	14	27.8	45.8	24	27			
1DT-24-06SP	M24x1.5	R3/8″x19	16	24.1	42.6	27	30			
1DT-24-08SP	M24x1.5	R1/2″x14	16	27.3	45.8	27	30			
1DT-30-12SP	M30x2	R3/4″x14	20	28	49.5	32	36			25 S
1DT-36-12SP	M36x2	R3/4″x14	25	29.5	53.5	38	46			
1DT-36-16SP	M36x2	R1″x11	25	34.1	58.1	38	46			
1DT-42-16SP	M42x2	R1″x11	30	35.6	62.1	46	50			
1DT-42-20SP	M42x2	R1.1/4″x11	30	34.3	60.8	46	50			
1DT-52-20SP	M52x2	R1.1/4″x11	38	36.8	67.8	55	60			
1DT-52-24SP	M52x2	R1.1/2″x11	38	36.8	67.8	55	60			

Note: In case if you are interested to order the adapter in complete set with cutting ring



1CT9-SP
1DT9-SP

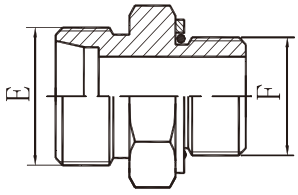


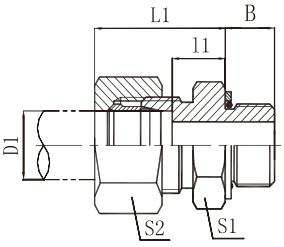
1CT9-SP/RN
1DT9-SP/RN

90° ELBOW BSPT MALE

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E	F	D1	11	L1	L2	S1	S2		
1CT9-12-02SP	M12X1.5	R1/8″X28	6	13	28	21	11	14		25 L
1CT9-12-04SP	M12X1.5	R1/4″X19	6	15.5	30.5	25.5	14	14		
1CT9-14-02SP	M14X1.5	R1/8″X28	8	15.5	30.5	23.5	14	17		
1CT9-14-04SP	M14X1.5	R1/4″X19	8	15.5	30.5	25.5	14	17		
1CT9-16-04SP	M16X1.5	R1/4″X19	10	17.5	32.5	26.5	16	19		
1CT9-16-06SP	M16X1.5	R3/8″X19	10	17.5	32.5	28.5	16	19		
1CT9-16-08SP	M16X1.5	R1/2″X14	10	21	36	36	22	19		
1CT9-18-04SP	M18X1.5	R1/4″X19	12	19	34	28	19	22		
1CT9-18-06SP	M18X1.5	R3/8″X19	12	19	34	30.5	19	22		
1CT9-18-08SP	M18X1.5	R1/2″X14	12	21	36	36	22	22		
1CT9-22-06SP	M22X1.5	R3/8″X19	15	22	37	32.5	22	27		
1CT9-22-08SP	M22X1.5	R1/2″X14	15	22	37	36	22	27		
1CT9-22-12SP	M22X1.5	R3/4″X14	15	25.5	40.5	43.5	27	27		
1CT9-26-08SP	M26X1.5	R1/2″X14	18	25.5	42	39.5	27	32		16 L
1CT9-26-12SP	M26X1.5	R3/4″X14	18	25.5	42	43.5	27	32		
1CT9-30-12SP	M30X2	R3/4″X14	22	29.3	45.8	45.3	30	36		
1CT9-30-16SP	M30X2	R1″X11	22	31.5	48	50	33	36		
1CT9-36-16SP	M36X2	R1″X11	28	33.3	49.8	52	36	41		
1CT9-36-20SP	M36X2	R1.1/4″X11	28	36.2	52.7	57	41	41		
1CT9-45-20SP	M45X2	R1.1/4″X11	35	39.2	60.7	61	48	50		
1CT9-52-24SP	M52X2	R1.1/2″X11	42	44.8	67.8	68	55	60		
1DT9-14-04SP	M14X1.5	R1/4″X19	6	17.5	32.5	25.5	14	17		40 S
1DT9-16-04SP	M16X1.5	R1/4″X19	8	18.7	33.7	26.5	16	19		
1DT9-18-06SP	M18X1.5	R3/8″X19	10	19.5	36	30.5	19	22		
1DT9-20-04SP	M20X1.5	R1/4″X19	12	19.5	36	28	19	24		
1DT9-20-06SP	M20X1.5	R3/8″X19	12	19.5	36	30.5	19	24		
1DT9-22-06SP	M22X1.5	R3/8″X19	14	23	41	32.5	22	27		
1DT9-22-08SP	M22X1.5	R1/2″X14	14	23	41	36	22	27		
1DT9-24-06SP	M24X1.5	R3/8″X19	16	24	42.5	33.5	24	30		
1DT9-24-08SP	M24X1.5	R1/2″X14	16	24	42.5	37.3	24	30		
1DT9-30-12SP	M30X2	R3/4″X14	20	28.3	49.8	45.3	30	36		25 S
1DT9-36-12SP	M36X2	R3/4″X14	25	33.3	57.3	52	36	46		
1DT9-36-16SP	M36X2	R1″X11	25	32.8	56.8	52.5	36	46		
1DT9-42-16SP	M42X2	R1″X11	30	36.2	62.7	56.5	41	50		
1DT9-42-20SP	M42X2	R1.1/4″X11	30	36.2	62.7	57	41	50		
1DT9-52-20SP	M52X2	R1.1/4″X11	38	45.8	76.8	67	55	60		
1DT9-52-24SP	M52X2	R1.1/2″X11	38	45.8	76.8	68	55	60		

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no. for example 1CT9-30-12SP/RN.





METRIC THREAD STUD ENDS
WITH O-RING SEALING

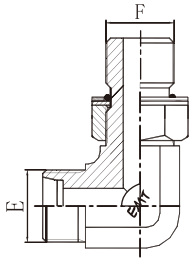
1CH
1DH

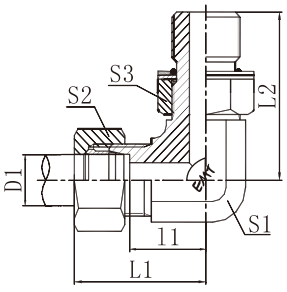
1CH-RN
1DH-RN

PART NO.	THREAD		TUBE O.D.	O RING	DIMENSIONS						MPa
	E	F	D1		B	11	L1	S1	S2		
1CH-12-10	M12X1.5	M10X1	6	O08.1X1.6	8.5	9.5	23	14	14		31.5 L
1CH-14	M14X1.5	M14X1.5	8	O11.3X2.4	11	10	25	19	17		
1CH-14-12	M14X1.5	M12X1.5	8	O09.3X2.4	11	10	25	17	17		
1CH-16-14	M16X1.5	M14X1.5	10	O11.3X2.4	11	13	26	19	19		
1CH-18-14	M18X1.5	M14X1.5	12	O11.3X2.4	11	11	25.5	19	22		
1CH-14-18	M14X1.5	M18X1.5	8	O15.3X2.4	12.5	11.5	26.35	24	17		
1CH-16	M16X1.5	M16X1.5	10	O13.3X2.4	11.5	13	28	22	19		
1CH-16-18	M16X1.5	M18X1.5	10	O15.3X2.4	12.5	12.5	28	24	19		
1CH-18-16	M18X1.5	M16X1.5	12	O13.3X2.4	11.5	12	27	22	22		
1CH-22-16	M22X1.5	M16X1.5	12	O13.3X2.4	11.5	13.5	29.5	24	27		
1CH-22-18	M22X1.5	M18X1.5	15	O15.3X2.4	12.5	13.5	29	24	27		
1CH-16-22	M16X1.5	M22X1.5	10	O19.3X2.4	13	14	29.5	27	19		
1CH-22-20	M22X1.5	M20X1.5	15	O17.3X2.4	12	15	30.5	27	27		
1CH-22	M22X1.5	M22X1.5	12	O19.3X2.4	13	15	31	27	27		
1CH-26-22	M26X1.5	M22X1.5	18	O19.3X2.4	13	14.5	31	27	32		
1CH-26	M26X1.5	M26X1.5	18	O23.5X3.0	13.5	13.5	31	32	32		
1CH-26-27	M26X1.5	M27X1.5	18	O23.5X3.0	16	14.5	32	32	32		
1CH-26-33	M26X1.5	M33X2	18	O29.5X3.0	16	15.5	33	41	32		
1CH-30-22	M30X2	M22X1.5	22	O19.3X3.0	123	17.5	33	32	41		16 L
1CH-30-27	M30X2	M27X2	22	O23.5X3.0	16	16.5	33	32	36		
1CH-30	M30X2	M30X2	22	O26.5X3.0	16	17.5	33	36	36		
1CH-36-27	M36X2	M27X2	28	O23.5X3.0	16	17.5	34	41	41		
1CH-36-33	M36X2	M33X2	28	O29.5X3.0	16	17.5	34	41	41		
1CH-36-42	M36X2	M42X2	28	O38.5X3.0	16	18.5	35	50	41		
1CH-45-33	M45X2	M33X2	35	O29.5X3.0	16	17.5	37	46	50		
1CH-45-42	M45X2	M42X2	35	O38.5X3.0	16	17.5	37	50	50		
1CH-52-48	M52X2	M48X2	42	O44.5X3.0	17.5	19		55	60		
1DH-14	M14X1.5	M14X1.5	6	O11.3X2.4	11	15	28	19	17		63 S
1DH-14-12	M14X1.5	M12X1.5	6	O09.3X2.4	11	13	28	17	17		
1DH-16-14	M16X1.5	M14X1.5	8	O11.3X2.4	11	15	30	19	19		
1DH-18-16	M18X1.5	M16X1.5	10	O13.3X2.4	11.5	15	31	22	22		
1DH-20-24	M20X1.5	M24X1.5	12	O11.3X2.4	11	15	31	22	24		

PART NO.	THREAD		D1	O RING	DIMENSIONS						MPa
	E	F	TUBE O.D.		B	11	L1	S1	S2		
1DH-20-16	M20X1.5	M16X1.5	12	O13.3X2.4	11.5	15	31	22	24		63 S
1DH-20-18	M20X1.5	M18X1.5	12	O15.3X2.4	12.5	17	33	24	24		
1DH-20-22	M20X1.5	M22X1.5	12	O19.3X2.4	13	17.5	35	27	30		
1DH-24-22	M24X1.5	M22X1.5	16	O19.3X2.4	13	18.5	37	27	30		40 S
1DH-30	M30X2	M30X2	20	O26.5X3.0	16	20.5	42	36	36		
1DH-30-27	M30X2	M27X2	20	O23.5X3.0	16	20.5	42	32	36		
1DH-30-33	M30X2	M33X2	20	O29.5X3.0	16	22.5	42	41	36		
1DH-36-27	M36X2	M27X2	25	O23.5X3.0	16	23	47	41	46		
1DH-36-33	M36X2	M33X2	25	O29.5X3.0	16	23	47	41	46		
1DH-42	M42X2	M42X2	30	O38.5X3.0	16	23.5	50	50	50		
1DH-42-48	M42X2	M48X2	30	O44.5X3.0	17.5	26.5	52	55	50		

Note: 1 In case if you are interested to order the adapter in completeset with cutting ring and nut ,it is necessary to insert suffix "RN" after our part NO.for example 1DH-20-18RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 1CH-12-10-SS means stainless steel adaptor. 1CH-12-10-EE means brass adaptor.





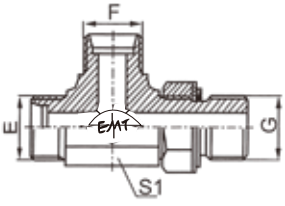
90 ELBOW METRIC THREAD ADJUSTABLE
STUD ENDS ISO 6149

1CH9-OG
1DH9-OG

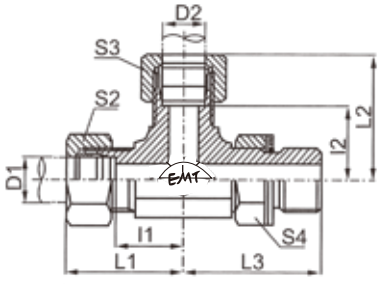
1CH9-OG/RN
1DH9-OG/RN

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E	F	D1	11	L1	L2	S1	S2	S3	
1CH9-12-100G	M12X1.5	M10X1	6	13	28	26.5	11	14	14	31.5 L
1CH9-14-120G	M14X1.5	M12X1.5	8	15.5	30.5	32	14	17	17	
1CH9-16-140G	M16X1.5	M14X1.5	10	17.5	32.5	34	16	19	19	
1CH9-18-160G	M18X1.5	M16X1.5	12	19	34	36	19	22	22	
1CH9-22-180G	M22X1.5	M18X1.5	15	22	37	39.5	22	27	24	
1CH9-22-200G	M22X1.5	M20X1.5	15	22	37	40.5	22	27	27	
1CH9-22-270G	M22X1.5	M27X2	15	25.5	37	41	27	27	32	
1CH9-26-220G	M26X1.5	M22X1.5	18	25.5	42	43.5	27	32	27	
1CH9-30-270G	M30X2	M27X2	22	29.3	45.8	50	30	36	32	16 L
1CH9-36-330G	M36X2	M33X2	28	33.3	49.8	54	36	41	41	
1DH9-14-120G	M14X1.5	M12X1.5	6	17.5	32.5	32	14	17	17	63 S
1DH9-16-140G	M16X1.5	M14X1.5	8	18.7	33.7	34	16	19	19	
1DH9-18-160G	M18X1.5	M16X1.5	10	19.5	36	36	19	22	22	
1DH9-20-180G	M20X1.5	M18X1.5	12	19.5	36	37	19	24	24	
1DH9-22-200G	M22X1.5	M20X1.5	14	23	41	40	22	27	27	
1DH9-30-270G	M30X2	M27X2	20	28.3	49.8	50	30	36	32	40 S
1DH9-36-330G	M36X2	M33X2	25	32.8	56.8	54	36	46	41	
1DH9-420G	M42X2	M42X2	30	36.2	62.7	57.2	41	50	50	

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 1CH9-30-270G/RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" . And suffix "EE" for ordering brass adaptor. For example: 1CH9-12-10OG-SS means stainless steel adaptor. 1CH9-12-10OG-EE means brass adaptor.



ACCH-OG
ADDH-OG



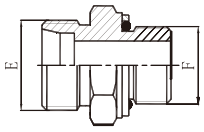
ACCH-OG/RN
ADDH-OG/RN

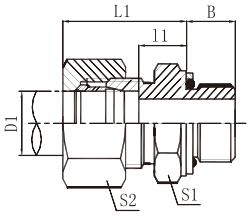
METRIC MALEADJUSTABLE
STUD ENDISO 6149 RUN TEE

PART NO.	THRE AD		TUBE O.D.	O RING	DIMENSIONS						MPa
	E,F	G			11,12	L1,L2	L3	S1	S2.S3	S4	
ACCH-12-12-100G	M12X1.5	M10X1	6	008.1X1.6	13	28	26.5	11	14	14	31.5 L
ACCH-14-14-120G	M14X1.5	M12X1.5	8	009.3X2.4	15.5	30.5	32	14	17	17	
ACCH-16-16-140G	M16X1.5	M14X1.5	10	011.3X2.4	17.5	32.5	34	16	19	19	
ACCH-18-18-160G	M18X1.5	M16X1.5	12	013.3X2.4	19	34	36	19	22	22	
ACCH-22-22-180G	M22X1.5	M18X1.5	15	015.3X2.4	22	37	39.5	22	27	24	
ACCH-26-26-220G	M26X1.5	M22X1.5	18	019.3X2.4	25.5	42	43.5	27	32	27	
ACCH-30-30-270G	M30X2	M27X2	22	023.5X3	29.3	45.8	50	30	36	32	16 L
ACCH-36-36-330G	M36X2	M33X2	28	029.5X3	33.3	49.8	54	36	41	41	
ADDH-14-14-120G	M14X1.5	M12X1.5	6	009.3X2.4	17.5	32.5	32	14	17	17	63 S
ADDH-16-16-140G	M16X1.5	M14X1.5	8	011.3X2.4	18.7	33.7	34	16	19	19	
ADDH-18-18-160G	M18X1.5	M16X1.5	10	013.3X2.4	19.5	36	36	19	22	22	
ADDH-20-20-180G	M20X1.5	M18X1.5	12	015.3X2.4	19.5	36	37	19	24	24	
ADDH-24-24-220G	M24X1.5	M22X1.5	16	019.3X2.4	24	42	37.5	24	30	27	
ADDH-30-30-270G	M30X2	M27X2	20	023.5X3	28.3	49.8	50	30	36	32	40 S
ADDH-36-36-330G	M36X2	M33X2	25	029.5X3	32.8	56.8	54	36	46	41	
ADDH-42-42-420G	M42X2	M42X2	30	038.5X3	36.2	62.7	57.2	41	50	50	

Note:1 ln case if you are interested to order the adapter in complete set with cutting ring and nut, it is necessar}r to insert suffix "RN" after our part no. for example ACCH-30-30-270G/RN

2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS". And suffix "EE" for ordering brass adaptor. For example: ACCH-12-12-OG-SS means stainless steel adaptor. ACCH-12-12-OG-EE means brass adaptor.





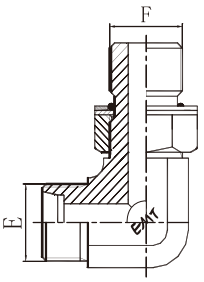
1CG
1DG

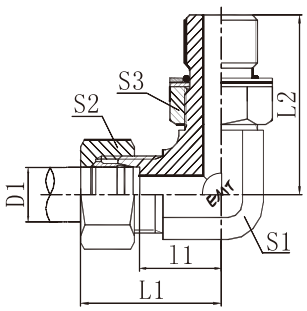
1CG-RN
1DG-RN

BSP THREAD STUD ENDS
WITH O-RING SEALING

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E	F	D1	B	11	L1	S1	S2		
1CG-12-02	M12X1.5	G1/8"X28	6	9.5	8.5	23	14	14		31.5 L
1CG-12-04	M12X1.5	G1/4"X19	6	10	10	25	19	14		
1CG-14-04	M14x1.5	G1/4"X19	8	10	10	25	19	17		
1CG-14-06	M14x1.5	G3/8"X19	8	11.5	11.5	26	22	17		
1CG-16-04	M16x1.5	G1/4"X19	10	10	11	26	19	19		
1CG-16-06	M16x1.5	G3/8"X19	10	11.5	12.5	27	22	19		
1CG-16-08	M16x1.5	G1/2"X14	10	14	13	28	27	19		
1CG-18-06	M18x1.5	G3/8"X19	12	11.5	12.5	27	22	22		
1CG-18-08	M18x1.5	G1/2"X14	12	14	13	28	27	22		
1CG-22-06	M22x1.5	G3/8"X19	15	11.5	13.5	29	24	27		
1CG-22-08	M22x1.5	G1/2"X14	15	14	14	29	27	27		
1CG-22-12	M22x1.5	G3/4"X14	15	15.5	20	30	32	32		
1CG-26-08	M26x1.5	G1/2"X14	18	14	14.5	31	27	32		
1CG-26-12	M26x1.5	G3/4"X14	18	15.5	14.5	32	32	32		
1CG-30-12	M30x2	G3/4"X14	22	15.5	16.5	33	32	36		16 L
1CG-30-16	M30x2	G1"X11	22	18	17.5	35	41	36		
1CG-36-16	M36x2	G1"X11	28	18	17.5	34	41	41		
1CG-45-20	M45x2	G1.1/4"X11	35	20	17.5	39	50	50		
1CG-52-20	M52X2	G1.1/4"X11	42	20	19	42	55	60		
1CG-52-24	M52x2	G1.1/2"X11	42	21.5	19	42	55	60		
1DG-14-04	M14X1.5	G1/4"X19	6	10	13	28	19	17		63 S
1DG-16-04	M16X1.5	G1/4"X19	8	10	15	30	19	19		
1DG-18-04	M18x1.5	G1/4"X19	10	10	14.5	31	19	22		
1DG-18-06	M18x1.5	G3/8"X19	10	11.5	15	31	22	22		
1DG-20-06	M20x1.5	G3/8"X19	12	11.5	17	32	22	24		
1DG-20-08	M20x1.5	G1/2"X14	12	14	17.5	34	27	24		
1DG-22-06	M22x1.5	G3/8"X19	14	11.5	19	37	24	27		
1DG-22-08	M22x1.5	G1/2"X14	14	14	19	37	27	27		
1DG-24-08	M24x1.5	G1/2"X14	16	14	18.5	37	27	30		40 S
1DG-30-12	M30x2	G3/4"X14	20	15.5	20.5	42	32	36		
1DG-36-12	M36x2	G3/4"X14	25	15.5	23	47	41	46		
1DG-36-16	M36x2	G1"X11	25	18	23	47	41	46		
1DG-42-20	M42x2	G1.1/4"X11	30	20	23.5	50	50	50		
1DG-52-24	M52x2	G1.1/2"X11	38	21.5	26	57	55	60		31.5 S

Note:In case if you are interested to order the adapter in complete set with cutting ring and nut, it is necessar}r to insert suffix "RN" after our part no.for example 1DG-20-08RN.





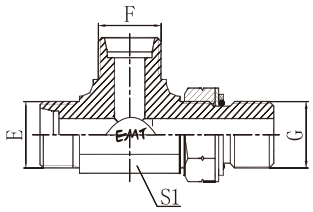
90° ELBOW BSP THREAD ADJUSTABLE
STUD ENDS WITH O-RING SEALING

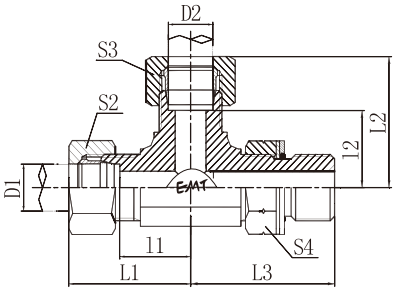
1CG9-OG
1DG9-OG

1CG9-OG/RN
1DG9-OG/RN

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E	F	D1	I1	L1	L2	S1	S2	S3	
1CG9-12-020G	M12X1.5	G1/8"X28	6	13	28	26.2	11	14	14	31.5 L
1CG9-14-040G	M14X1.5	G1/4"X19	8	15.5	30.5	31.3	14	17	19	
1CG9-16-040G	M16X1.5	G1/4"X19	10	17.5	32.5	32.5	16	19	19	
1CG9-16-060G	M16X1.5	G3/8"X19	10	17.5	32.5	35.8	16	19	22	
1CG9-18-060G	M18X1.5	G3/8"X19	12	19	34	36.8	19	22	22	
1CG9-22-080G	M22X1.5	G1/2"X14	15	22	37	43.2	22	27	27	
1CG9-26-080G	M26X1.5	G1/2"X14	18	25.5	42	46.5	27	32	27	
1CG9-26-120G	M26X1.5	G3/4"X14	18	25.5	42	49.3	27	32	32	
1CG9-30-120G	M30X2	G3/4"X14	22	29.3	45.8	52	30	36	32	16 L
1CG9-30-160G	M30X2	G1"X11	22	31.5	48	53	33	36	41	
1CG9-36-160G	M36X2	G1"X11	28	33	49.8	56	36	41	41	
1CG9-36-200G	M36X2	G1.1/4"X11	28	36	52.8	59	41	41	50	
1CG9-45-200G	M45X2	G1.1/4"X11	35	39.2	60.7	63	48	50	50	
1CG9-52-240G	M52X2	G1.1/2"X11	42	44.8	67.8	68.5	55	60	55	
1DG9-14-040G	M14X1.5	G1/4"X19	6	17.5	32.5	31.3	14	17	19	63 S
1DG9-16-040G	M16X1.5	G1/4"X19	8	18.7	33.7	32.5	16	19	19	
1DG9-16-060G	M16X1.5	G3/8"X19	8	18.7	33.7	35.8	16	19	22	
1DG9-18-060G	M18X1.5	G3/8"X19	10	19.5	36	36.8	19	22	22	
1DG9-20-060G	M20X1.5	G3/8"X19	12	19.5	36	36.8	19	24	22	
1DG9-22-080G	M22X1.5	G1/2"X14	14	23	41	43.2	22	27	27	
1DG9-24-080G	M24X1.5	G1/2"X14	16	24	42.5	44	24	30	27	40 S
1DG9-30-120G	M30X2	G3/4"X14	20	28.3	49.8	52	30	36	32	
1DG9-36-160G	M36X2	G1"X11	25	32.8	56.8	56	36	46	41	
1DG9-42-200G	M42X2	G1.1/4"X11	30	36.2	62.7	58	41	50	50	
1DG9-52-240G	M52X2	G1.1/2"X11	38	45.8	76.8	68.5	55	60	55	31.5 S

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 1CG9-30-120G/RN.





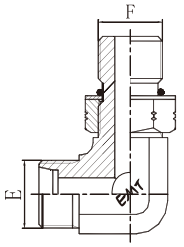
BARREL TEE BSP THREAD ADJUSTABLE STUD ENDS WITH O-RING SEALING

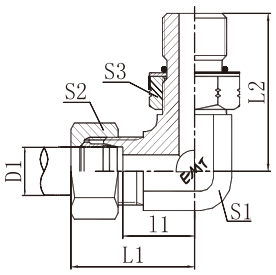
ACCG-OG
ADDG-OG

ACCG-OG/RN
ADDG-OG/RN

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E,F	G	D1,D2	11,12	L1,L2	L3	S1	S2,S3	S4	
ACCG-12-12-020G	M12X1.5	G1/8"X28	6	13	28	26.2	11	14	14	31.5 L
ACCG-14-14-040G	M14X1.5	G1/4"X19	8	15.5	30.5	31.3	14	17	19	
ACCG-16-16-040G	M16X1.5	G1/4"X19	10	17.5	32.5	32.5	16	19	19	
ACCG-18-18-060G	M18X1.5	G3/8"X19	12	19	34	36.8	19	22	22	
ACCG-22-22-080G	M22X1.5	G1/2"X14	15	22	37	43.2	22	27	27	
ACCG-26-26-080G	M26X1.5	G1/2"X14	18	25.5	42	46.5	27	32	27	
ACCG-30-30-120G	M30X2	G3/4"X14	22	29.3	45.8	52	30	36	32	16 L
ACCG-36-36-160G	M36X2	G1"X11	28	33.3	49.8	56	36	41	41	
ACCG-45-45-200G	M45X2	G1.1/4"X11	35	39.2	60.7	63	48	50	50	
ADDG-14-14-040G	M14X1.5	G1/4"X19	6	17.5	32.5	31.3	14	17	19	63 S
ADDG-16-16-040G	M16X1.5	G1/4"X19	8	18.7	33.7	32.5	16	19	19	
ADDG-18-18-060G	M18X1.5	G3/8"X19	10	19.5	36	36.8	19	22	22	
ADDG-20-20-060G	M20X1.5	G3/8"X19	12	19.5	36	36.8	19	24	22	
ADDG-22-22-080G	M22X1.5	G1/2"X14	14	23	41	43.2	22	27	27	
ADDG-24-24-080G	M24X1.5	G1/2"X14	16	24	42.5	44	24	30	27	40 S
ADDG-30-30-120G	M30X2	G3/4"X14	20	28.3	49.8	52	30	36	32	
ADDG-36-36-160G	M36X2	G1"X11	25	32.8	56.8	56	36	46	41	
ADDG-42-42-200G	M42X2	G1.1/4"X11	30	36.2	62.7	58	41	50	50	

Note:1 In case if you are interested to order the adapter in complete set with cutting ring and nut , it is necessary to insert suffix "RN" after the Part No. for example ACCG-18-18-060G/RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" . And suffix "EE" for ordering brass adaptor. For example: ACCG-12-12-020G-SS means stainless steel adaptor. ACCG-12-12-020G-EE means brass adaptor.



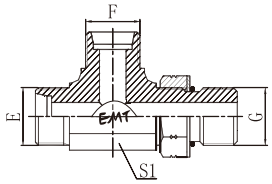


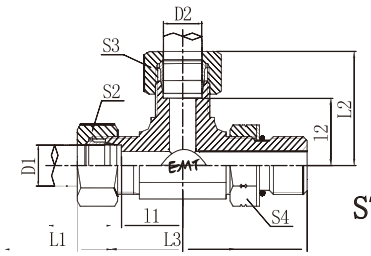
90° ELBOW UN/UNF THREAD ADJUYSTABLE
STUD ENDS WITH O-RING SEALING ISO 11926

1C09-OG 1C09-OG/RN
1D09-OG 1D09-OG/RN

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E	F	D1	11	L1	L2	S1	S2	S3	
1C09-12-040G	M12X1.5	7/16"X20	6	13	28	27.2	11	14	17	31.5 L
1C09-14-060G	M14X1.5	9/16"X18	8	15.5	30.5	31.8	14	17	19	
1C09-16-060G	M16X1.5	9/16"X18	10	17.5	32.5	33.3	16	19	19	
1C09-18-080G	M18X1.5	3/4"X16	12	19	34	37.5	19	22	24	
1C09-22-100G	M22X1.5	7/8"X14	15	22	37	44	22	27	27	
1C09-22-080G	M22X1.5	3/4"X16	15	22	37	39.5	22	27	24	
1C09-26-120G	M26X1.5	1.1/16"X12	18	25.5	42	51	27	32	32	
1C09-30-120G	M30X2	1.1/16"X12	22	29.3	45.8	53.5	30	36	32	16 L
1C09-36-160G	M36X2	1.5/16"X12	28	33.3	49.8	57.5	36	41	41	
1C09-45-200G	M45X2	1.5/8"X12	35	39.2	60.7	63	48	50	50	
1C09-52-240G	M52X2	1.7/8"X12	42	44.8	67.8	70.5	55	60	55	
1D09-14-040G	M14X1.5	7/16"X20	6	17.5	32.5	30	14	17	17	63 S
1D09-16-060G	M16X1.5	9/16"X18	8	18.7	33.7	33.3	16	19	19	
1D09-18-060G	M18X1.5	9/16"X18	10	19.5	36	33.5	19	22	19	
1D09-18-080G	M18X1.5	3/4"X16	10	19.5	36	37.5	19	22	24	
1D09-20-080G	M20X1.5	3/4"X16	12	19.5	36	37.5	19	24	24	
1D09-22-100G	M22X1.5	7/8"X14	14	23	41	44	22	27	27	
1D09-24-100G	M24X1.5	7/8"X14	16	24	42.5	46.5	24	30	27	40 S
1D09-30-120G	M30X2	1.1/16"X12	20	28.3	49.8	53.5	30	36	32	
1D09-36-160G	M36X2	1.5/16"X12	25	32.8	56.8	57.5	36	46	41	
1D09-42-200G	M42X2	1.5/8"X12	30	36.2	62.7	59.5	41	50	50	
1D09-52-240G	M52X2	1.7/8"X12	38	45.8	76.8	70.5	55	60	55	31.5 S

Note：In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 1C09-30-120G/RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" . And suffix "EE" for ordering brass adaptor. For example: 1C09-12-040G-SS means stainless steel adaptor. 1C09-12-040G-EE means brass adaptor.





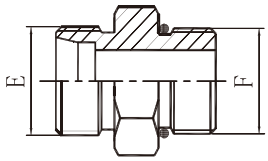
UN/UNF THREAD ADJUSTABLE
STUD ENDS WITH O-RING SEALING RUN TEE

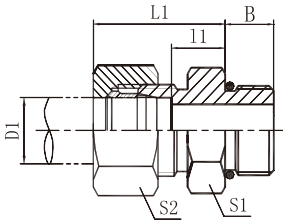
ACCO-OG
ADDO-OG

ACCO-OG/RN
ADDO-OG/RN

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E,F	G	D1,D2	11,12	L1,L2	L3	S1	S2,S3	S4	
ACCO-12-12-040G	M12X1.5	7/16"X20	6	13	28	27.2	11	14	17	31.5 L
ACCO-14-14-060G	M14X1.5	9/16"X18	8	15.5	30.5	31.8	14	17	19	
ACCO-16-16-060G	M16X1.5	9/16"X18	10	17.5	32.5	33.3	16	19	19	
ACCO-18-18-080G	M18X1.5	3/4"X16	12	19	34	37.5	19	22	24	
ACCO-22-22-100G	M22X1.5	7/8"X14	15	22	37	44	22	27	27	
ACCO-26-26-120G	M26X1.5	1.1/16"X12	18	25.5	42	51	27	32	32	
ACCO-30-30-120G	M30X2	1.1/16"X12	22	29.3	45.8	53.5	30	36	32	16 L
ACCO-36-36-160G	M36X2	1.5/16"X12	28	33.3	49.8	57.5	36	41	41	
ACCO-45-45-200G	M45X2	1.5/8"X12	35	39.2	60.7	63	48	50	50	
ADDO-14-14-040G	M14X1.5	7/16"X20	6	17.5	32.5	30	14	17	17	63 S
ADDO-16-16-060G	M16X1.5	9/16"X18	8	18.7	33.7	33.3	16	19	19	
ADDO-18-18-060G	M18X1.5	9/16"X18	10	19.5	36	33.5	19	22	19	
ADDO-20-20-080G	M20X1.5	3/4"X16	12	19.5	36	37.5	19	24	24	
ADDO-22-22-100G	M22X1.5	7/8"X14	14	23	41	44	22	27	27	
ADDO-24-24-100G	M24X1.5	7/8"X14	16	24	42.5	46.5	24	30	27	40 S
ADDO-30-30-120G	M30X2	1.1/16"X12	20	28.3	49.8	53.5	30	36	32	
ADDO-36-36-160G	M36X2	1.5/16"X12	25	32.8	56.8	57.5	36	46	41	
ADDO-42-42-200G	M42X2	1.5/8"X12	30	36.2	62.7	59.5	41	50	50	

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example ACCO-30-30-120G/RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix"SS". And suffix "EE" for ordering brass adaptor. For example: ACCO-12-12-040G-SS means stainless steel adaptor. ACCO-12-12-040G-SS-EE means brass adaptor.





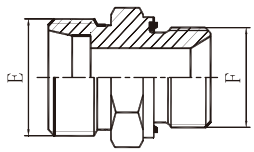
UN/UNF THREAD STUD ENDS
WITH O-RING SEALING ISO 11926

1C0
1D0

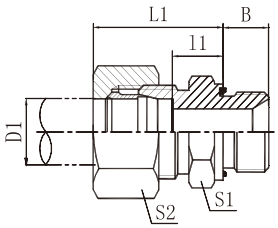
1C0-RN
1D0-RN

PART NO.	THREAD		TUBE O.D.		DIMENSIONS					
	E	F	D1		B	11	L1	S1	S2	
1C0-14-04	M14X1.5	7/16"X20	8		9	10	25	17	17	
1C0-16-04	M16X1.5	7/16"X20	10		9	11	26	17	19	
1C0-18-06	M18X1.5	9/16"X18	12		10	11	26	19	22	
1C0-18-08	M18X1.5	3/4"X16	12		11	13	28	24	22	
1C0-18-10	M18X1.5	7/8"X14	12		12.7	14.3	29	27	22	
1C0-22-08	M22X1.5	3/4"X16	15		11	14	29	24	27	
1C0-22-10	M22X1.5	7/8"X14	15		12.7	15.3	30	27	27	
1C0-22-12	M22X1.5	1.1/16"X12	15		15.09	11.91	30	32	27	
1C0-26-08	M26X1.5	3/4"X16	18		11	14.5	31	27	32	
1C0-26-10	M26X1.5	7/8"X14	18		12.7	14.8	31	27	32	
1C0-30-10	M30X2	7/8"X14	22		12.7	16.8	33	32	36	
1C0-30-12	M30X2	1.1/16"X12	22		15	16.5	33	32	36	
1C0-30-16	M30X2	1.5/16"X12	22		15	17.5	34	41	36	
1C0-36-12	M36X2	1.1/16"X12	28		15.09	14.41	34	38	41	
1C0-36-16	M36X2	1.5/16"X12	28		15	17.5	34	41	41	
1C0-45-16	M45X2	1.5/16"X12	35		15	17.5	39	46	50	
1C0-45-20	M45X2	1.5/8"X12	35		15	17.5	39	50	50	
1C0-52-20	M52X2	1.5/8"X12	42		15	19	42	55	60	
1D0-16-04	M16X1.5	7/16"X20	8		9	15	30	17	19	
1D0-18-06	M18X1.5	9/16"X18	10		10	14.5	31	19	22	
1D0-20-06	M20X1.5	9/16"X18	12		10	14.5	31	22	24	
1D0-20-08	M20X1.5	3/4"X16	12		11	17.5	34	24	24	
1D0-24-08	M24X1.5	3/4"X16	16		11	15.5	34	24	30	
1D0-24-10	M24X1.5	7/8"X14	16		12.7	18.8	37	27	30	
1D0-30-08	M30X2	3/4"X16	20		11	20.5	42	32	36	
1D0-30-10	M30X2	7/8"X14	20		12.7	20.8	42	32	36	
1D0-30-12	M30X2	1.1/16"X12	20		15	20.5	42	32	36	
1D0-36-12	M36X2	1.1/16"X12	25		15	23	47	41	46	
1D0-36-16	M36X2	1.5/16"X12	25		15	23	47	41	46	
1D0-42-16	M42X2	1.5/16"X12	30		15	23.5	50	46	50	
1D0-42-20	M42X2	1.5/8"X12	30		15	23.5	50	50	50	
1D0-52-20	M52X2	1.5/8"X12	38		15	26	57	55	60	

Note: In case if you are interested to order the adapter in complete set with cutting ring



1CB-WD
1DB-WD

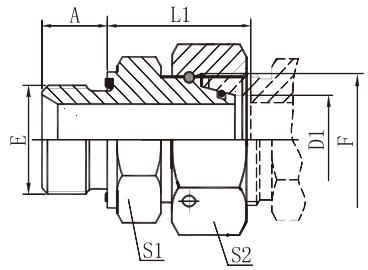


1CB-WD/RN
1DB-WD/RN

BSP THREAD WITH CAPTEVE SEAL

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E	F	D1	B	11	L1	S1	S2		
1CB-12-02WD	M12X1.5	G1/8"X28	6	8	8.5	23.5	14	14		31.5 L
1CB-12-04WD	M12X1.5	G1/4"X19	6	12	10	25	19	14		
1CB-14-02WD	M14X1.5	G1/8"X28	8	8	9	24	14	17		
1CB-14-04WD	M14X1.5	G1/4"X19	8	12	10	25	19	17		
1CB-14-06WD	M14X1.5	G3/8"X19	8	12	11	26	22	17		
1CB-16-04WD	M16X1.5	G1/4"X19	10	12	11	26	19	19		
1CB-16-06WD	M16X1.5	G3/8"X19	10	12	12	27	22	19		
1CB-16-08WD	M16X1.5	G1/2"X14	10	14	13	28	27	19		
1CB-18-04WD	M18X1.5	G1/4"X19	12	12	12	27	19	22		
1CB-18-06WD	M18X1.5	G3/8"X19	12	12	12	27	22	22		
1CB-18-08WD	M18X1.5	G1/2"X14	12	14	13	28	27	22		
1CB-22-06WD	M22X1.5	G3/8"X19	15	12	13	28	24	27		
1CB-22-08WD	M22X1.5	G1/2"X14	15	14	14	29	27	27		
1CB-26-08WD	M26X1.5	G1/2"X14	18	14	14.5	31	27	32		
1CB-26-12WD	M26X1.5	G3/4"X14	18	16	14.5	31	32	32		
1CB-30-12WD	M30X2	G3/4"X14	22	16	16.5	33	32	36		16 L
1CB-36-16WD	M36X2	G1"X11	28	18	17.5	34	41	41		
1CB-45-20WD	M45X2	G1.1/4"X11	35	20	17.5	39	50	50		
1CB-52-24WD	M52X2	G1.1/2"X11	42	22	19	42	55	60		
1DB-14-04WD	M14X1.5	G1/4"X19	6	12	15	30	19	17		63 S
1DB-16-04WD	M16X1.5	G1/4"X19	8	12	15	30	19	19		
1DB-16-06WD	M16X1.5	G3/8"X19	8	12	15	30	22	19		
1DB-18-04WD	M18X1.5	G1/4"X19	10	12	14.5	31	19	22		
1DB-18-06WD	M18X1.5	G3/8"X19	10	12	14.5	31	22	22		
1DB-18-08WD	M18X1.5	G1/2"X14	10	14	17.5	34	27	22		
1DB-20-04WD	M20X1.5	G1/4"X19	12	12	16.5	33	22	24		
1DB-20-06WD	M20X1.5	G3/8"X19	12	12	16.5	33	22	24		
1DB-20-08WD	M20X1.5	G1/2"X14	12	14	17.5	34	27	24		
1DB-22-08WD	M22X1.5	G1/2"X14	14	14	19	37	27	27		
1DB-24-06WD	M24X1.5	G3/8"X19	16	12	18	36.5	27	30		
1DB-24-08WD	M24X1.5	G1/2"X14	16	14	18.5	37	27	30		
1DB-24-12WD	M24X1.5	G3/4"X14	16	16	20.5	39	32	30		40 S
1DB-30-12WD	M30X2	G3/4"X14	20	16	20.5	42	32	36		
1DB-36-08WD	M36X2	G1/2"X14	25	14	23	47	41	46		
1DB-36-12WD	M36X2	G3/4"X14	25	16	23	47	41	46		
1DB-36-16WD	M36X2	G1"X11	25	18	23	47	41	46		
1DB-42-20WD	M42X2	G1.1/4"X11	30	20	23.5	50	50	50		
1DB-52-24WD	M52X2	G1.1/2"X11	38	22	26	57	55	60		31.5 S

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 1DB-20-08WD/RN.

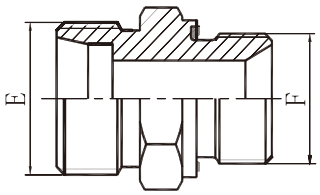


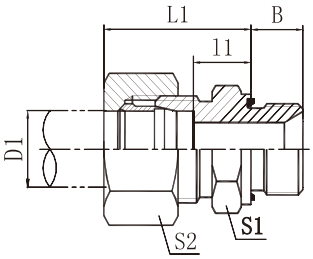
2BC-WD
2BD-WD

BSP THREAD WITH CAPTIVE SEAL.
METRIC FEMALE 24° CONE O-RING SEALING

PART NO.	THREAD		TUBE O.D.		DIMENSIONS				MPa
	E	F	D1		A	L1	S1	S2	
2BC-02-12WD	G1/8″X28	M12X1.5	6		8	24.5	14	14	31.5 L
2BC-04-14WD	G1/4″X19	M14X1.5	8		12	29.5	19	17	
2BC-04-16WD	G1/4″X19	M16X1.5	10		12	27.5	19	19	
2BC-06-18WD	G3/8″X19	M18X1.5	12		12	34	22	22	
2BC-08-22WD	G1/2″X14	M22X1.5	15		14	32	27	27	
2BC-08-26WD	G1/2″X14	M26X1.5	18		14	31.5	27	32	
2BC-12-30WD	G3/4″X14	M30X2	22		16	32.5	32	36	16 L
2BC-16-36WD	G1″X11	M36X2	28		18	35	41	41	
2BC-20-45WD	G1.1/4″X11	M45X2	35		20	42.5	50	50	
2BC-24-52WD	G1.1/2″X11	M52X2	42		22	46.5	55	60	
2BD-04-14WD	G1/4″X19	M14X1.5	6		12	27	19	17	63 S
2BD-04-16WD	G1/4″X19	M16X1.5	8		12	29.5	19	19	
2BD-06-18WD	G3/8″X19	M18X1.5	10		12	32	22	22	
2BD-06-20WD	G3/8″X19	M20X1.5	12		12	34	22	24	
2BD-08-22WD	G1/2″X14	M22X1.5	14		14	36.5	27	27	
2BD-08-24WD	G1/2″X14	M24X1.5	16		14	37	27	30	40 S
2BD-12-30WD	G3/4″X14	M30X2	20		16	43	32	36	
2BD-16-36WD	G1″X11	M36X2	25		18	48	41	46	
2BD-20-42WD	G1.1/4″X11	M42X2	30		20	51	50	50	
2BD-24-52WD	G1.1/2″X11	M52X2	38		22	60	55	60	31.5 S

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix“SS”. And suffix “EE” for ordering brass adaptor. For example: 2BC-12-02WB-SS means stainless steel adaptor. 2BC-12-02WB-EE means brass adaptor.





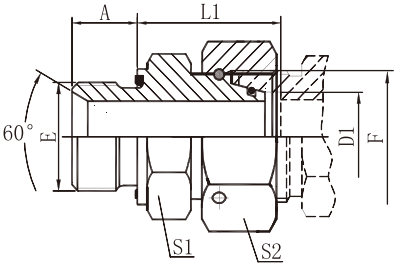
METRIC THREAD WITH CAPTIVE SEAL

1CM-WD
1DM-WD

1CM-WD/RN
1DM-WD/RN

PART NO.	THREAD		TUBE O.D.		DIMENSIONS						MPa
	E	F	D1		B	11	L1	S1	S2		
1CM-12-10WD	M12X1.5	M10X1	6		8	8.5	23	14	14		31.5 L
1CM-14-12WD	M14X1.5	M12X1.5	8		12	10	25	17	17		
1CM-16-14WD	M16X1.5	M14X1.5	10		12	11	26	19	19		
1CM-18-16WD	M18X1.5	M16X1.5	12		12	12.5	27	22	22		
1CM-18WD	M18X1.5	M18X1.5	12		12	12.5	27	24	22		
1CM-18-22WD	M18X1.5	M22X1.5	12		14	14	29	27	22		
1CM-22-18WD	M22X1.5	M18X1.5	15		12	13.5	29	24	27		
1CM-22WD	M22X1.5	M22X1.5	15		14	15	30	27	27		
1CM-26-22WD	M26X1.5	M22X1.5	18		14	14.5	31	27	32		
1CM-30-26WD	M30X2	M26X1.5	22		16	16.5	33	32	36		16 L
1CM-36-33WD	M36X2	M33X2	28		18	17.5	34	41	41		
1CM-45-42WD	M45X2	M42X2	35		20	17.5	39	50	50		
1CM-52-48WD	M52X2	M48X2	42		22	19	42	55	60		
1DM-14-12WD	M14X1.5	M12X1.5	6		12	13	28	17	17		63 S
1DM-16-14WD	M16X1.5	M14X1.5	8		12	15	30	19	19		
1DM-18-16WD	M18X1.5	M16X1.5	10		12	15	31	22	22		
1DM-20-18WD	M20X1.5	M18X1.5	12		12	17	33	24	24		
1DM-22-20WD	M22X1.5	M20X1.5	14		14	19	37	27	27		
1DM-24-22WD	M24X1.5	M22X1.5	16		14	18.5	37	27	30		40 S
1DM-30-27WD	M30X2	M27X2	20		16	20.5	42	32	36		
1DM-36-33WD	M36X2	M33X2	25		18	23	47	41	46		
1DM-42WD	M42X2	M42X2	30		20	23.5	50	50	50		
1DM-52-48WD	M52X2	M48X2	38		22	26	57	55	60		31.5 S

Note:1 In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 1DM-20-18WD/RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" . And suffix "EE" for ordering brass adaptor. For example: 1CM-12-10WD-SS means stainless steel adaptor. 1CM-12-10WD-EE means brass adaptor.

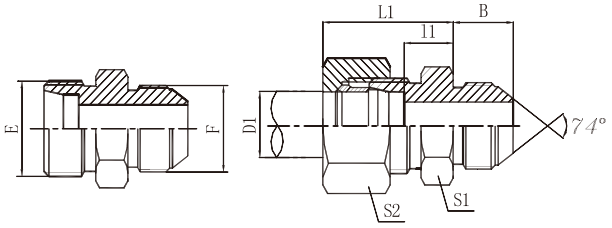


2MC-WD
2MD-WD

METRIC THREAD WITH CAPTIVE SEAL/
METRIC FEMALE 24° CONE O-RING SEALING

PART NO.	THREAD		TUBE O.D.		DIMENSIONS				MPa
	E	F	D1		A	L1	S1	S2	
2MC-10-12WD	M10X1	M12X1.5	6		8	24.5	14	14	31.5 L
2MC-12-14WD	M12X1.5	M14X1.5	8		12	26.5	17	17	
2MC-14-16WD	M14X1.5	M16X1.5	10		12	27.5	19	19	
2MC-16-18WD	M16X1.5	M18X1.5	12		12	30.5	22	22	
2MC-18-22WD	M18X1.5	M22X1.5	15		12	31.5	24	27	
2MC-22-26WD	M22X1.5	M26X1.5	18		14	31.5	27	32	
2MC-26-30WD	M26X1.5	M30X2	22		16	32.5	32	36	16 L
2MC-33-36WD	M33X2	M36X2	28		18	35	41	41	
2MC-42-45WD	M42X2	M45X2	35		20	42.5	50	50	
2MC-48-52WD	M48X2	M52X2	42		22	46.5	55	60	
2MD-12-14WD	M12X1.5	M14X1.5	6		12	27	17	17	63 S
2MD-14-16WD	M14X1.5	M16X1.5	8		12	29.5	19	19	
2MD-16-18WD	M16X1.5	M18X1.5	10		12	32	22	22	
2MD-18-20WD	M18X1.5	M20X1.5	12		12	34	24	24	
2MD-20-22WD	M20X1.5	M22X1.5	14		14	36.5	27	27	
2MD-22-24WD	M22X1.5	M24X1.5	16		14	37	27	30	40 S
2MD-27-30WD	M27X2	M30X2	20		16	43	32	36	
2MD-33-36WD	M33X2	M36X2	25		18	48	41	46	
2MD-42-42WD	M42X2	M42X2	30		20	51	50	50	
2MD-48-52WD	M48X2	M52X2	38		22	60	55	60	31.5重系列S

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 2MC-10-12WD-SS means stainless steel adaptor. 2MC-10-12WD-EE means brass adaptor.

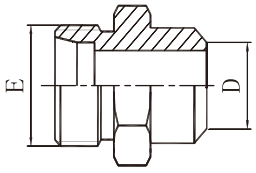


JIC 74° CONE SEALING

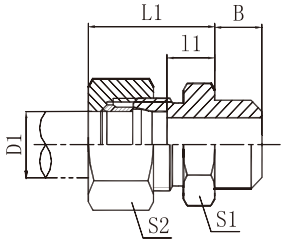
1CJ 1CJ-RN
1DJ 1DJ-RN

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E	F	D1	B	l1	L1	S1	S2		
1CJ-14-04	M14x1.5	7/16"X20	8	14	8	23	15	17		31.5 L
1CJ-14-06	M14x1.5	9/16"X18	8	14.1	8	23	15	17		
1CJ-16-06	M16x1.5	9/16"X18	10	14.1	9	24	17	19		
1CJ-18-06	M18x1.5	9/16"X18	12	14.1	10	25	19	22		
1CJ-18-08	M18x1.5	3/4"X16	12	16.7	10	25	22	22		
1CJ-22-08	M22x1.5	3/4"X16	15	16.7	11	26	24	27		
1CJ-22-10	M22x1.5	7/8"X14	15	19.3	11	26	24	27		
1CJ-26-10	M26X1.5	7/8"X14	18	19.3	11.5	28	27	32		
1CJ-26-12	M26X1.5	1.1/16"X12	18	21.9	11.5	28	30	32		
1CJ-30-12	M30x2	1.1/16"X12	22	21.9	13.5	30	32	36		16 L
1CJ-36-16	M36x2	1.5/16"X12	28	23.1	14.5	31	41	41		
1CJ-45-20	M45X2	1.5/8"X12	35	24.3	14.5	36	46	50		
1CJ-52-20	M52X2	1.5/8"X12	42	24.3	16	39	55	60		
1CJ-52-24	M52X2	1.7/8"X12	42	27.5	16	39	55	60		
1DJ-16-04	M16x1.5	7/16"X20	8	14	13	28	17	19		63 S
1DJ-18-04	M18x1.5	7/16"X20	10	14	12.5	29	19	22		
1DJ-18-06	M18x1.5	9/16"X18	10	14.1	12.5	29	19	22		
1DJ-20-06	M20x1.5	9/16"X18	12	14.1	14.5	31	22	24		
1DJ-20-08	M20x1.5	3/4"X16	12	16.7	14.5	31	22	24		
1DJ-22-08	M22x1.5	3/4"X16	14	16.7	16	34	24	27		
1DJ-24-08	M24x1.5	3/4"X16	16	16.7	15.5	34	27	30		40 S
1DJ-30-12	M30x2	1.1/16"X12	20	21.9	17.5	39	32	36		
1DJ-36-12	M36x2	1.1/16X12	25	21.9	19	43	38	46		
1DJ-36-16	M36x2	1.5/16X12	25	23.1	19	43	38	46		
1DJ-42-20	M42x2	1.5/8"X12	30	24.3	20.5	47	46	50		
1DJ-52-24	M52X2	1.7/8"X12	38	27.5	23	54	55	60		31.5 S

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 1DJ-20-08RN.



1CW
1DW

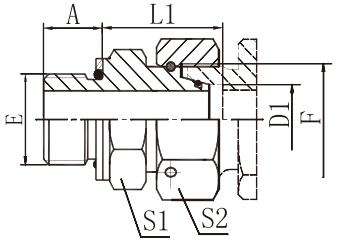


1CW-RN
1DW-RN

WELD FITTINGS

PART NO.	THREAD		TUBE O.D.		DIMENSIONS						MPa
	E		D1		B	D	11	L1	S1	S2	
1CW-12-06	M12x1.5		6		7	6	7	22	12	14	31.5 L
1CW-14-08	M14x1.5		8		8	8	8	23	14	17	
1CW-16-10	M16x1.5		10		8	10	9	24	17	19	
1CW-18-12	M18x1.5		12		8	12	10	25	19	22	
1CW-22-15	M22x1.5		15		10	15	11	26	22	27	
1CW-26-18	M26X1.5		18		10	18	11.5	28	27	32	
1CW-26-22	M26X1.5		18		10	18	13.5	28	27	32	16 L
1CW-30-22	M30x2		22		12	22	13.5	30	32	36	
1CW-36-28	M36x2		28		12	28	14.5	31	41	41	
1CW-45-35	M45X2		35		14	35	14.5	36	46	50	
1CW-52-42	M52X2		42		16	42	16	39	55	60	
1DW-14-06	M14x1.5		6		7	6	11	26	14	17	63 S
1DW-16-08	M16x1.5		8		8	8	13	28	17	19	
1DW-18-10	M18x1.5		10		8	10	12.5	29	19	22	
1DW-20-12	M20x1.5		12		10	12	14.5	31	22	24	
1DW-22-14	M22x1.5		14		10	14	16	34	24	27	
1DW-24-16	M24x1.5		16		10	16	15.5	34	27	30	40 S
1DW-30-20	M30x2		20		12	20	17.5	39	32	36	
1DW-36-25	M36x2		25		12	24	20	44	41	46	
1DW-42-30	M42x2		30		14	29	20.5	47	46	50	
1DW-52-38	M52X2		38		16	36	23	54	55	60	31.5 S

Note:1In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 1DW-20-12RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" . And suffix "EE" for ordering brass adaptor. For example: 1CM-12-06-SS means stainless steel adaptor. 1CM-12-06-EE means brass adaptor.

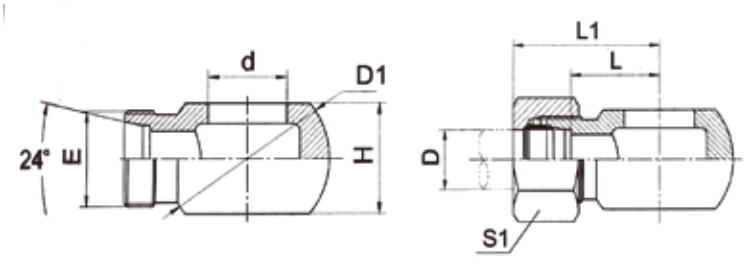


2GC
2GD

BSP THREAD STUD ENDS WITH O-RING SEALING/
METRIC FEMALE 24° CONE O-RING SEALING

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E	F	D1	A	L1	S1	S2			
2GC-02-12	G1/8″X28	M12X1.5	6	9.5	20.5	14	14			31.5 L
2GC-04-14	G1/4″X19	M14X1.5	8	10	23.5	19	17			
2GC-04-16	G1/4″X19	M16X1.5	10	10	24	19	19			
2GC-06-18	G3/8″X19	M18X1.5	12	11.5	25.5	22	22			
2GC-08-22	G1/2″X14	M22X1.5	15	14	28.5	27	27			
2GC-08-26	G1/2″X14	M26X1.5	18	14	29	27	32			
2GC-12-30	G3/4″X14	M30X2	22	15.5	32	32	36			16 L
2GC-16-36	G1″X11	M36X2	28	18	35	41	41			
2GC-20-45	G1.1/4″X11	M45X2	35	20	38	50	50			
2GC-24-52	G1.1/2″X11	M52X2	42	21.5	41.5	55	60			
2GD-04-14	G1/4″X19	M14X1.5	6	10	23	19	17			63 S
2GD-04-16	G1/4″X19	M16X1.5	8	10	26	19	19			
2GD-06-18	G3/8″X19	M18X1.5	10	11.5	25	22	22			
2GD-06-20	G3/8″X19	M20X1.5	12	11.5	28.5	22	24			
2GD-08-22	G1/2″X14	M22X1.5	14	14	31.5	27	27			
2GD-08-24	G1/2″X14	M24X1.5	16	14	30	27	30			40 S
2GD-12-30	G3/4″X14	M30X2	20	15.5	36	32	36			
2GD-16-36	G1″X11	M36X2	25	18	38.5	41	46			
2GD-20-42	G1.1/4″X11	M42X2	30	20	42	50	50			
2GD-24-52	G1.1/2″X11	M52X2	38	21.5	47.5	55	60			31.5 S

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 2GC-02-12-SS means stainless steel adaptor. 2GC-02-12-EE means brass adaptor.



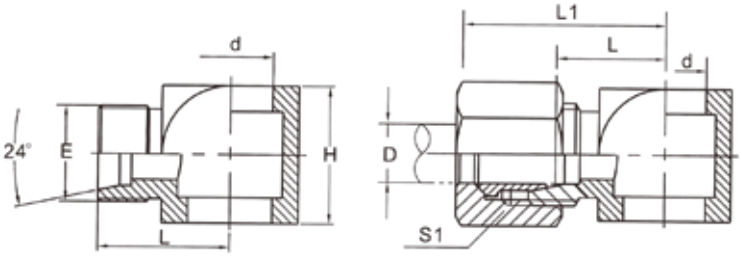
BSP BANJO

1CI-B
1DI-B

1CI-B/RN
1DI-B/RN

PART NO.	E		TUBE O.D	BOLT	DIMENSIONS D1	d	H	L	L1	S1	MPa
1CI-12-B02	M12X1.5		6	720B-02	24	9.9	16	15	30	14	16 L
1CI-14-B04	M14X1.5		8	720B-04	24	13.3	15	16	31	17	
1CI-16-B04	M16X1.5		10	720B-04	24	13.3	15	18	33	19	
1CI-18-B06	M18X1.5		12	7208-06	29	16.7	20	22	37	22	10 L
1CI-22-B08	M22X1.5		15	720B-08	38	21	25	26	41	27	
1CI-26-B08	M26X1.5		18	720B-08	38	21	25	27	42	32	
1CI-30-B12	M30X2		22	720B-12	48	26.5	26.5	31	47	36	
1DI-14-B04	M14X1.5		6	720B-04	24	13.3	15	17.5	32	17	16 L
1DI-16-B04	M16X1.5		8	720B-04	24	13.3	15	19	34	19	
1DI-18-B06	M18X1.5		10	720B-06	29	16.7	20	23	38	22	10 S
1DI-20-B06	M20X1.5		12	720B-06	29	16.7	20	24	39	24	
1DI-22-B08	M22X1.5		14	7208-08	38	21	25	27	42	27	
1DI-24-B08	M24X1.5		16	7208-08	38	21	25	28	43	30	
1DI-30-B12	M30X2		20	720B-12	48	31	26.5	32	49	36	

Note:1 In case if you are interested to order the adapter in complete set with cutting ring and nut,it is necessary to insert suffix “RN” after our part NO.,for example 1DI-30-B12/RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 1CT-12-B02-SS means stainless steel adaptor. 1CT-12-B02-EE means brass adaptor.



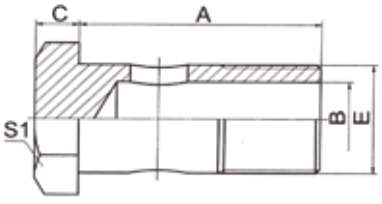
METRIC BANJO DIN 7642

1CI
1DI

1CI-RN
1DI-RN

PART NO.	THREAD		TUBEO.D.	BOLT	DIMENSIONS					MPa
	E				d	H	L	L1	S1	
1CI-12-10	M12X1.5		6	700M-10	10	10	16	31	14	16
1CI-14-12	M14X1.5		8	700M-12	12	12	18.5	33	17	
1CI-16-14	M16X1.5		10	700M-14	14	14	20.5	35	19	L
1CI-18-16	M16X1.5		12	700M-16	16	16	22	37	22	
1CI-22-18	M22X1.5		15	700M-18	18	20	23	38	27	10 L
1CI-26-22	M26X1.5		18	700M-22	22	25	27.5	43.5	32	
1CI-30-26	M30X2		22	700M-26	26	30	34	50.5	36	
1CI-14-12	M14X1.5		6	700M-12	12	12	20.5	35	17	16
1CI-16-14	M16X1.5		8	700M-14	14	14	22.5	36	19	S
1CI-18-16	M18X1.5		10	700M-16	16	16	23	39.5	22	
1CI-20-18	M20X1.5		12	700M-18	18	20	25	41	24	
1CI-22-18	M22X1.5		14	700M-18	20	20	28	46	27	10
1CI-24-22	M24X1.5		16	700M-22	22	25	28.5	46.5	30	S
1CI-30-26	M30X2		20	700M-26	26	30	37	58.5	36	

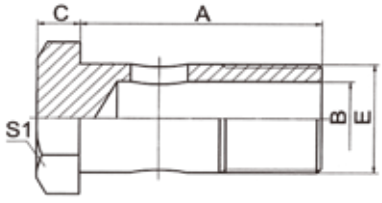
Note:1 ln case if you are interested to order the adapter in complete set with cutting ring and nut, it is necessar3r to insert
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please "SS" .And suffix "EE" for ordering brass adaptor. For example: 1CI-12-10-SS means stainless steel adaptor. 1CI-12-10-EE means brass adaptor.



720B
BSP BOLT

PART NO.	THREAD E			DIMENSIONS				
				A	B	C	S1	
720B-02	G1/8" X28			29.5	4.8	4.8	14	
720B-04	G1/4" X19			28.5	6	6	19	
720B-06	G3/8" X19			38.5	9	7	22	
720B-08	G1/2" X14			44	13	8.5	27	
7208-10	G5/8" X14			48.5	15	10	30	
720B-12	G3/4" X14			56	18	10	32	
720B-16	G1" X11			68.5	22	13	41	

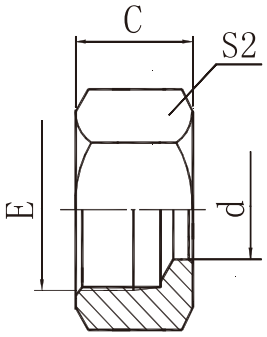
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 720B-02-SS means stainless steel adaptor. 720B-02-EE means brass adaptor.



700M
METRIC BOLT DIN 7643

PART NO.	THREAD E			DIMENSIONS			
				A	B	C	S1
700M-10	M10X1			19	5	6	14
700M-12	M12X1.5			24	6	6	17
700M-14	M14X1.5			26	8	7	19
700M-16	M16X1.5			28	9	7.5	22
700M-18	M18X1.5			32	11	8	24
700M-22	M22X1.5			39	14	9	27
700M-26	M26X1.5			45	18	10	32
700M-30	M30X1.5			51	22	11	38

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 700M-10-SS means stainless steel adaptor. 700M-10-EE means brass adaptor.

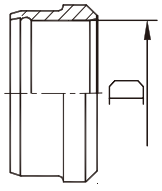


NL
NS

COUPLING NUTS

PART NO.	THREAD				DIMENSIONS						MPa
	E		TUBE O.D.		C	d	S2				
NL-12	M12X1.5		6		14.5	6	14				L
NL-14	M14X1.5		8		14.5	8	17				
NL-16	M16X1.5		10		15.5	10	19				
NL-18	M18X1.5		12		15.5	12	22				
NL-22	M22X1.5		15		17	15	27				
NL-26	M26X1.5		18		18	18	32				
NL-30	M30X2		22		20	22	36				
NL-36	M36X2		28		21	28	41				
NL-45	M45X2		35		24	35	50				
NL-52	M52X2		42		24	42	60				
NS-14	M14X1.5		6		16.5	6	17				S
NS-16	M16X1.5		8		16.5	8	19				
NS-18	M18X1.5		10		17.5	10	22				
NS-20	M20X1.5		12		17.5	12	24				
NS-22	M22X1.5		14		20.5	14	27				
NS-24	M24X1.5		16		20.5	16	30				
NS-30	M30X2		20		24	20	36				
NS-36	M36X2		25		27	25	46				
NS-42	M42X2		30		29	30	50				
NS-52	M52X2		38		32.5	38	60				

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: NL-12-SS means stainless steel adaptor. NL-12-EE means brass adaptor.

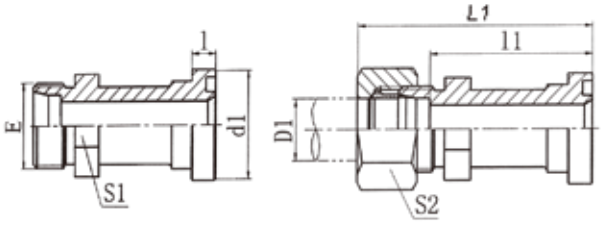


RL
RS

CUTTING RING

PART NO.			TUBE O.D.		DIMENSIONS				备注
RL-06			6		与重系列相应规格一致				轻系列
RL-08			8						
RL-10			10						
RL-12			12						
RL-15			15						
RL-18			18						
RL-22			22						
RL-28			28						
RL-35			35						
RL-42			42						
RS-06			6						重系列
RS-08			8						
RS-10			10						
RS-12			12						
RS-14			14						
RS-16			16						
RS-20			20						
RS-25			25						
RS-30			30						
RS-38			38						

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example: RL-06-SS means stainless steel adaptor. RL-06-EE means brass adaptor.

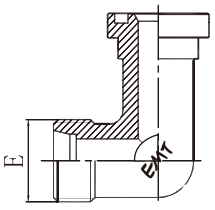


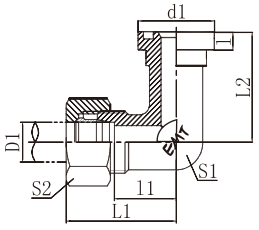
1CFL 1CFL-RN
1DFL 1DFL-RN

METRIC MALE BITE TYPE/
L-SERIES FLANGE ISO 6162-1

PART NO.	THREAD	FLANGE SIZE	TUBE O.	DIMENSIONS D.	d1	I	I1	L1	S1	S2	MPa
1CFL-22-08	M22X1.5	1/2"	15	30.2	6.7	41	56	24	27	31.5 L
1CFL-26-12	M26X1.5	3/4"	18	38.1	6.73	45.5	62	30	32	
1CFL-30-12	M30X2	3/4"	22	38.1	6.7	45.5	62	32	36	16 L
1CFL-36-16	M36X2	1"	28	44.4	8	46.5	63	38	41	
1CFL-45-20	M45X2	1.1/4"	35	50.8	8	47.5	69	41	50	
1CFL-52-24	M52X2	1.1/2"	42	60.3	8	53	76	46	60	
1DFL-24-08	M24X1.5	1/2"	16	30.1	6.7	41.5	60	24	30	35 S
1DFL-30-12	M30X2	3/4"	20	38.1	6.7	46.5	68	30	36	
1DFL-36-12	M36X2	3/4"	25	38.1	6.73	45	69	30	46	
1DFL-42-16	M42X2	1"	30	44.4	8	49.5	76	36	50	
1DFL-36-20	M36X2	1.1/4"	25	50.8	8	48	72	41	46	28 S
1DFL-42-20	M42X2	1.1/4"	30	50.8	8	48.5	75	41	50	
1DFL-52-20	M52X2	1.1/4"	38	50.8	8	50	81	46	60	
1DFL-52-24	M52X2	1.1/2"	38	60.3	8	54	85	46	60	21 S

Note:1 ln case if you are interested to order the adapter in complete set with cutting ring and nut, to insert suffix ,RN" after our part NO.,for exampIe l DFL—52—24RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 1CFL-22-08-SS means stainless steel adaptor. 1CFL-22-08-EE means brass adaptor.





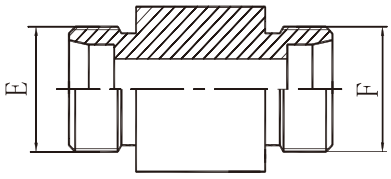
90° ELBOW METRIC MALE BITE TYPE /
L-SERIES FLANGE ISO 6162-1

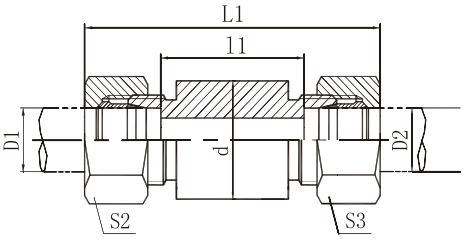
1CFL9 1CFL9-RN
1DFL9 1DFL9-RN

PART NO.	THREAD	FLANGE SIZE	TUBE O.D.	DIMENSIONS							MPa
			D1	d1	1	11	L1	L2	S1	S2	
1CFL9-22-08	M22X1.5	1/2″	15	30.2	6.7	29	44	36	24	27	31.5
1CFL9-26-12	M26X1.5	3/4″	18	38.1	6.7	31.5	48	42	30	32	L
1CFL9-30-12	M30X2	3/4″	22	38.1	6.7	33.5	50	42	30	36	
1CFL9-36-16	M36X2	1″	28	44.4	8	36.5	53	45	36	41	16
1CFL9-45-20	M45X2	1.1/4″	35	50.8	8	46.5	68	50	41	50	L
1CFL9-52-24	M52X2	1.1/2″	42	60.3	8	47	70	55	50	60	
1DFL9-24-08	M24X1.5	1/2″	16	30.2	6.7	29.5	48	36	24	30	
1DFL9-30-12	M30X2	3/4″	20	38.1	6.7	32.5	54	42	30	36	35
1DFL9-36-12	M36X2	3/4″	25	38.1	6.7	33	57	42	30	46	S
1DFL9-42-16	M42X2	1″	30	44.4	8	36.5	63	45	36	50	
1DFL9-36-20	M36X2	1.1/4″	25	50.8	8	43	67	50	41	46	
1DFL9-42-20	M42X2	1.1/4″	30	50.8	8	43.5	70	50	41	50	28 S
1DFL9-52-20	M52X2	1.1/4″	38	50.8	8	43	74	50	41	60	
1DFL9-52-24	M52X2	1.1/2″	38	60.3	8	48	79	55	50	60	21 S

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no. , for example 1DFL9-52-24RN.

2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS". And suffix "EE" for ordering brass adaptor. For example: 1CFL9-22-08-SS means stainless steel adaptor. 1CFL9-22-08-EE means brass adaptor.



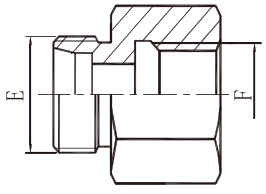


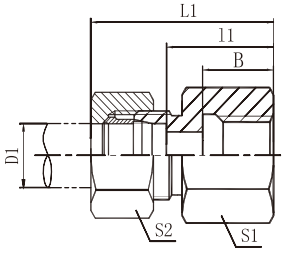
STRAIGHT BULKHEAD FITTINGS

1C-Y 1C-Y/RN
1D-Y 1D-Y/RN

PART NO.	THREAD		TUBE O.D.		DIMENSIONS					MPa
	E	F	D1	D2	l1	L1	d	S2, S3		
1C-12Y	M12X1.5	M12X1.5	6	6	56	85	18	14		31.5 L
1C-14Y	M14X1.5	M14X1.5	8	8	56	85	20	17		
1C-16Y	M16X1.5	M16X1.5	10	10	58	87	22	19		
1C-18Y	M18X1.5	M18X1.5	12	12	58	87	25	22		
1C-22Y	M22X1.5	M22X1.5	15	15	70	100	28	27		
1C-26Y	M26X1.5	M26X1.5	18	18	69	101	32	32		
1C-30Y	M30X2	M30X2	22	22	73	105	36	36		16 L
1C-36Y	M36X2	M36X2	28	28	73	106	40	41		
1C-45Y	M45X2	M45X2	35	35	71	114	50	50		
1C-52Y	M52X2	M52X2	42	42	70	115	60	60		
1D-14Y	M14X1.5	M14X1.5	6	6	60	89	20	17		63 S
1D-16Y	M16X1.5	M16X1.5	8	8	60	89	22	19		
1D-18Y	M18X1.5	M18X1.5	10	10	59	91	25	22		
1D-20Y	M20X1.5	M20X1.5	12	12	59	91	28	24		
1D-22Y	M22X1.5	M22X1.5	14	14	72	107	30	27		
1D-24Y	M24X1.5	M24X1.5	16	16	71	107	35	30		40 S
1D-30Y	M30X2	M30X2	20	20	71	114	38	36		
1D-36Y	M36X2	M36X2	25	25	72	120	45	46		
1D-42Y	M42X2	M42X2	30	30	73	126	50	50		
1D-52Y	M52X2	M52X2	38	38	72	133	60	60		31.5 S

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 1D-36Y/RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" . And suffix "EE" for ordering brass adaptor. For example: 1C-12Y-SS means stainless steel adaptor. 1C-12Y-EE means brass adaptor.





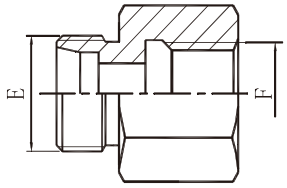
BSP FEMALE

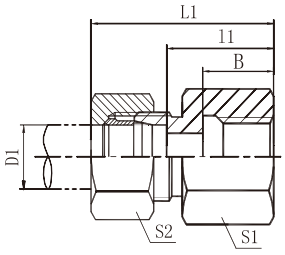
5CB
5DB

5CB-RN
5DB-RN

PART NO.	THREAD		TUBE O.D.		DIMENSIONS						MPa
	E	F	D1		B	11	L1	S1	S2		
5CB-12-02	M12X1.5	G1/8″X28	6		12	19	34	14	14		31.5 L
5CB-14-04	M14X1.5	G1/4″X19	8		17	24	39	19	17		
5CB-14-06	M14X1.5	G3/8″X19	8		17	25	40	24	17		
5CB-14-08	M14X1.5	G1/2″X14	8		20	29	44	27	17		
5CB-16-04	M16X1.5	G1/4″X19	10		17	25	40	19	19		
5CB-16-06	M16X1.5	G3/8″X19	10		17	26	41	24	19		
5CB-16-08	M16X1.5	G1/2″X14	10		20	30	45	27	19		
5CB-18-06	M18X1.5	G3/8″X19	12		17	26	41	24	22		
5CB-18-08	M18X1.5	G1/2″X14	12		20	30	45	27	22		
5CB-22-08	M22X1.5	G1/2″X14	15		20	31	46	27	27		
5CB-26-08	M26X1.5	G1/2″X14	18		20	30.5	47	27	32		
5CB-30-12	M30X2	G3/4″X14	22		22	35.5	52	36	36		16 L
5CB-36-16	M36X2	G1″X11	28		24.5	38	55	41	41		
5CB-45-20	M45X2	G1.1/4″X11	35		26.5	41	63	55	50		
5CB-52-24	M52X2	G1.1/2″X11	42		28.5	42.5	65	60	60		
5DB-14-04	M14X1.5	G1/4″X19	6		17	26	41	19	17		63 S
5DB-16-04	M16X1.5	G1/4″X19	8		17	26	41	19	19		
5DB-18-06	M18X1.5	G3/8″X19	10		17	26.5	43	24	22		
5DB-20-06	M20X1.5	G3/8″X19	12		17	27.5	28	24	24		
5DB-22-08	M22X1.5	G1/2″X14	14		20	32	50	30	27		
5DB-24-08	M24X1.5	G1/2″X14	16		20	31.5	50	30	30		40 S
5DB-30-12	M30X2	G3/4″X14	20		22	34.5	56	36	36		
5DB-36-16	M36X2	G1″X11	25		24.5	37.5	62	41	46		
5DB-42-20	M42X2	G1.1/4″X11	30		26.5	42	69	55	50		
5DB-52-24	M52X2	G1.1/2″X11	38		28.5	43.5	74	60	60		31.5 S

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut ,it is necessary to insert suffix "RN" after our part no., for example 5CB-45-20RN.





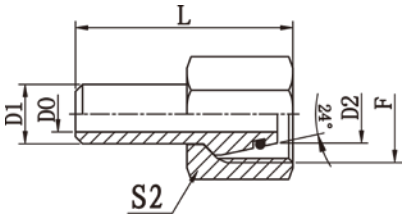
METRIC FEMALE STUD FITTINGS

5CM
5DM

5CM-RN
5DM-RN

PART NO.	THREAD		TUBE O.D.	DIMENSIONS					MPa
	E	F	D1	B	11	L1	S1	S2	
5CM-12-10	M12X1.5	M10X1	6	12.5	19.5	34	14	14	25 L
5CM-14-12	M14X1.5	M12X1.5	8	17	24	39	17	17	
5CM-16-14	M16X1.5	M14X1.5	10	17	25	40	19	19	
5CM-18-16	M18X1.5	M16X1.5	12	17	26	41	22	22	
5CM-22-18	M22X1.5	M18X1.5	15	17	28	43	24	27	
5CM-26-22	M26X1.5	M22X1.5	18	19	29.5	46	30	32	
5CM-30-26	M30X2	M26X1.5	22	21	34.5	51	32	36	16 L
5CM-36-33	M36X2	M33X2	28	24	37.5	54	41	41	
5CM-45-42	M45X2	M42X2	35	26	40.5	62	55	50	
5CM-52-48	M52X2	M48X2	42	28	42	65	60	60	
5DM-14-12	M14X1.5	M12X1.5	6	17	26	41	17	17	63 S
5DM-16-14	M16X1.5	M14X1.5	8	17	26	41	17	19	
5DM-18-16	M18X1.5	M16X1.5	10	17	26.5	43	22	22	
5DM-20-18	M20X1.5	M18X1.5	12	17	27.5	44	24	24	
5DM-22-20	M22X1.5	M20X1.5	14	19	31	49	27	27	
5DM-24-22	M24X1.5	M22X1.5	16	19	30.5	49	30	30	40 S
5DM-30-27	M30X2	M27X2	20	22	34.5	56	36	36	
5DM-36-33	M36X2	M33X2	25	24	37	61	41	46	
5DM-42	M42X2	M42X2	30	26	41.5	68	55	50	
5DM-52-48	M52X2	M48X2	38	28	43	74	60	60	25 S

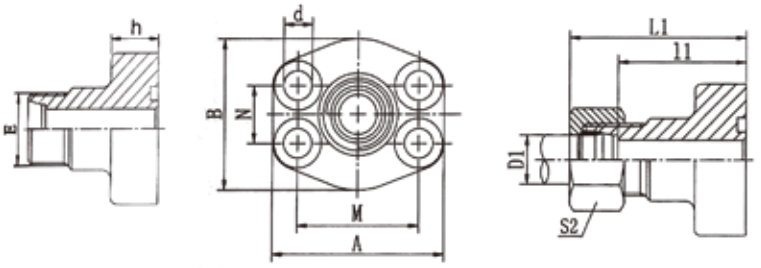
Note:1 In case if you are interested to order the adapter in complete set with cutting ring and nut , it is necessary to insert suffix "RN" after our part no., for example 5DM-30-27RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" . And suffix "EE" for ordering brass adaptor. For example: 5CM-12-10-SS means stainless steel adaptor. 5CM-12-10-EE means brass adaptor.



2WC
2WD

WELD FITTINGS

PART NO.	THREAD		DIMENSIONS				MPa
	F	D1Xt	L	D0	D2	S2	
2WC-6X1.5	M12X1.5	6X1.5	30	2.5	6	14	L
2WC-8X2.0	M14X1.5	8X2.0	30	4	8	17	
2WC-12X2.0	M18X1.5	12X2.0	31	705	12	22	
2WC-15X2.0	M22X1.5	15X2.0	35	10	15	27	
2WC-18X2.0	M26X1.5	18X2.0	35	13	18	32	
2WC-22X2.0	M30X2	22X2.0	5	17	22	36	16 L
2WC-28X2.5	M36X2	28X2.0	41	23	28	41	
2WC-35X3.0	M45X2	35X3.0	48	29	35	50	
2WC-42X3.0	M52X2	42X3.0	50.5	36	42	60	
2WD-6X1.5	M14X1.5	6X1.5	28.5	2.5	6	17	63 S
2WD-8X2.0	M16X1.5	8X2.0	29	4	8	19	
2WD-10X1.0	M18X1.5	10X1.0	32	6.5	10	22	
2WD-10X1.5	M18X1.5	10X1.5	32	6.5	10	22	
2WD-10X2.0	M18X1.5	10X2.0	32	6	10	22	
2WD-12X1.5	M20X1.5	12X1.5	32.5	8	12	27	
2WD-12X2.0	M20X1.5	12X2.0	32.5	8	12	27	
2WD-12X2.5	M20X1.5	12X2.5	32.5	7	12	27	
2WD-16X1.5	M24X1.5	16X1.5	39	13	16	30	40 S
2WD-16X2.0	M24X1.5	16X2.0	39	12	16	30	
2WD-16X2.5	M24X1.5	16X2.5	39	11	16	30	
2WD-16X3.0	M24X1.5	16X3.0	39	10	16	30	
2WD-20X2.0	M30X2	20X2.0	43	15	20	36	
2WD-20X2.5	M30X2	20X2.5	43	15	20	36	
2WD-20X3.0	M30X2	20X3.0	43	14	20	36	
2WD-20X4.0	M30X2	20X4.0	43	12	20	36	
2WD-25X2.5	M36X2	25X2.5	50	20	25	46	
2WD-25X3.0	M36X2	25X3.0	50	19	25	46	
2WD-25X4.0	M36X2	25X4.0	50	17	25	46	
2WD-25X5.0	M36X2	25X5.0	50	15	25	46	
2WD-30X3.0	M42X2	30X3.0	52	24	30	50	
2WD-30X4.0	M42X2	30X4.0	52	22	30	50	25 S
2WD-30X5.0	M42X2	30X5.0	52	20	30	50	
2WD-30X6.0	M42X2	30X6.0	52	18	30	50	
2WD-38X4.0	M52X2	38X4.0	56.5	30	38	60	
2WD-38X5.0	M52X2	38X5.0	56.5	28	38	60	
2WD-38X6.0	M52X2	38X6.0	56.5	26	38	60	
2WD-38X7.0	M52X2	38X7.0	56.5	24	38	60	

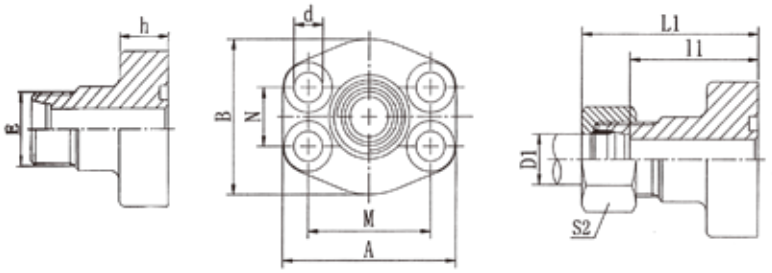


SAE FLANGE WITH STANDARD SERIES

1CFL-W 1CFL-W/RN
1DFL-W 1DFL-W/RN

PART NO.	THREAD	FLANGE SIZE	TUBE O.D.	DIMENSIONS									MPa
			D1	A	B	d	h	I1	L1	M	N	S2	
1CFL-22-08W	M22X1.5	1/2"	15	53.8	46.1	9	16	40	55	38.1	17.5	27	31.5
1CFL-30-12W	M30X2	3/4"	22	65	52.4	11	18	44.5	60.5	47.6	22.2	36	16 L
1CFL-36-16W	M36X2	1"	28	69.9	58.7	11	18	52.5	69	52.4	26.2	41	
1CFL-45-20W	M45X2	1.1/4"	35	79.2	73	11	21	49.5	71	58.7	30.2	50	
1CFL-52-24W	M52X2	1.1/2"	42	93.7	82.6	13.5	25	59	81.5	69.9	35.7	60	
1DFL-24-08W	M24X1.5	1/2"	16	53.8	46.1	9	16	38.5	56.5	38.1	17.5	30	35 S
1DFL-30-12W	M30X2	3/4"	20	65	52.4	11	18	41.5	63	47.6	22.2	36	
1DFL-36-16W	M36X2	1"	25	69.9	58.7	11	18	48	72	52.4	26.2	46	
1DFL-42-20W	M42X2	1.1/4"	30	79.2	73	11	21	49.5	76	58.7	30.2	50	28 S
1DFL-52-24W	M52X2	1.1/2"	38	93.7	82.6	13.5	25	54	84.5	69.9	35.7	60	21 S

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut, it is necessary to insert suffix "RN" after our part no., for example 1DFL-52-24W/RN.

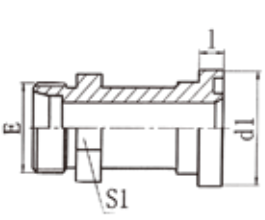


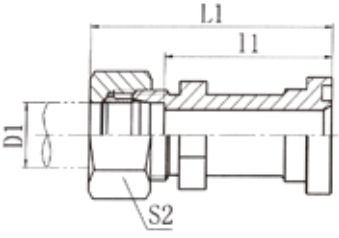
SAE FLANGE WITH HIGH PRESSURE SERIES

1DFS-W 1DFS-W/RN

PART NO.	THREAD	FLANGE SIZE	TUBE O.D.	DIMENSIONS									MPa
			D1	A	B	d	h	11	L1	M	N	S2	
1DFS-24-08W	M24X1.5	1/2"	16	56.4	49.2	9	61	38.5	56.5	40.5	18.2	30	40 S
1DFS-30-12W	M30X2	3/4"	20	71.4	61.8	11	19	41.5	63	50.8	23.8	36	
1DFS-36-16W	M36X2	1"	25	81	71.4	13	21	48	72	57.2	27.8	46	
1DFS-42-20W	M42X2	1.1/4"	30	95.3	79.2	15	24	54.5	81	66.7	31.8	50	
IDFS-52-24W	M52X2	1.1/2"	38	113	96.8	17	27	56	86.5	79.4	36.6	60	31.5 S

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut, it is necessary to insertsuffix "RN" after our part no., for example 1DFS-52-24W/RN.



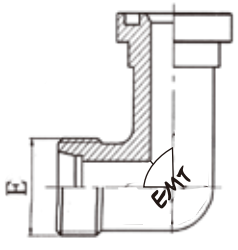


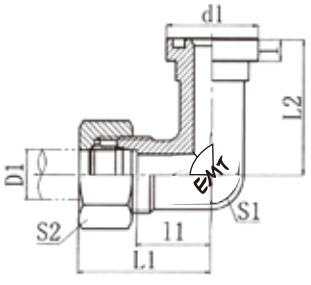
METRIC MALE BITE TYPE/
S-SERIES FLANGE ISO 6162-2

1DFS 1DFS-RN

PART NO.	THREAD	FLANGE SIZE	TUBE O.D.	DIMENSIONS						MPa
				dl	l	l1	L1	S1	S2	
1DFS-24-08	M24X1.5	1/2"	16	31 7	7.8	44.5	63	24	30	40 S
1DFS-24-12	M24X1.5	3/4"	16	41.3	8.8	50.5	69	30	30	
1DFS-30-12	M30X2	3/4"	20	41.3	8.8	50.5	72	30	36	
1DFS-36-12	M36X2	3/4"	25	41.3	8.8	51	75	30	46	
1DFS-36-16	M36X2	1"	25	47.6	9.5	60	81	36	46	
1DFS-42-16	M42X2	1"	30	47.6	9.5	60.5	87	36	50	
1DFS-42-20	M42X2	1.1/4"	30	54	10.3	65.5	92	41	50	
1DFS-52-20	M52X2	1.1/4"	38	54	10.3	67	98	46	60	31.5 S
1DFS-52-24	M52X2	1.1/2"	38	63.5	12.6	73	104	46	60	

Note: In case if you are interested to order the adapter in complete set with cutting ring and nut, It is necessary to insert suffix "RN" after our part no. for example 1DFS-52-24-RN.





90° ELBOW METRIC MALE BITE TYPE /
S-SERIES FLANGE ISO 6162-2

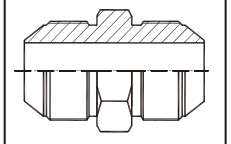
1DFS9 1DFS9-RN

PART NO.	THREAD	FLANGE SIZE	TUBE O. D	DIMENSIONS							MPa
				dl	I	I1	L1	L2	S1	S2	
1DFS9-24-08	M24X1.5	1/2"	16	31.7	7.8	29.5	48	39	24	30	40 S
1DFS9-24-12	M24X1.5	3/4"	16	41.3	8.8	36.5	55	48	32	30	
1DFS9-30-12	M30X2	3/4"	20	41.3	8.8	35.5	57	48	32	36	
1DFS9-36-12	M36X2	3/4"	25	41.3	8.8	36	60	48	32	46	
1DFS9-36-16	M36X2	1"	25	47.6	9.5	41	65	60	41	46	
1DFS9-42-16	M42X2	1"	30	47.6	9.5	41.5	68	60	41	50	
1DFS9-42-20	M42X2	1.1/4"	30	54	10.3	44.5	71	68	46	50	
IDFS9-52-20	M52X2	1.1/4"	38	54	10.3	45	76	68	46	60	31.5 S
1DFS9-52-24	M52X2	1.1/2"	38	63.5	12.6	56	87	76	50	60	

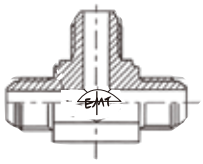
Note: In case if you are interested to order the adapter in complete set with cutting ring and nut, It is necessary to insert suffix "RN" after our part no. for example 1DFS9-52-24-RN.

METRIC THREAD 74°CONE FLARED TUBE FITTINGS INDEX

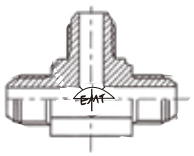
1Q/1Q-RN P185



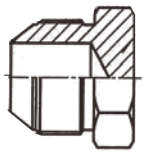
AQ/AQ-RN P186



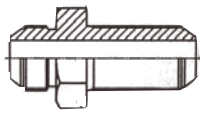
2Q9/2Q9-RN P186



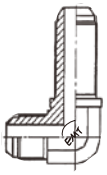
4Q/4Q-RN P187



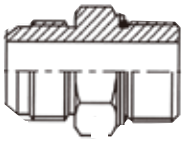
6Q/6Q-LN
6Q-RN/6Q-LN/RN P188



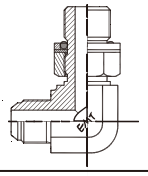
6Q9/6Q9-LN
6Q9-RN/6Q9-LN/RN P188



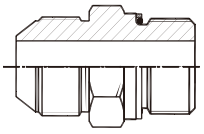
1QH/1QH-RN P189



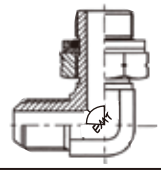
1QH9-OG
1QH9-OG/RN P190



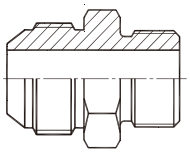
1QG/1QG-RN P191



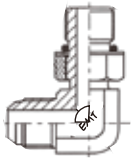
1QG9
1QG9-OR/RN P191



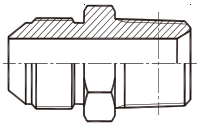
1QO
1QO-RN P192



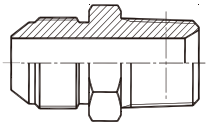
1QO9
1QO9-OR/RN P192



1QN
1QN-RN P193

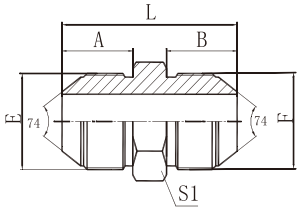


1QT-SP
1QT-SP/RN P194

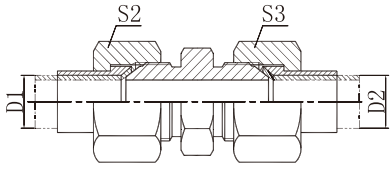


NB200-Q P195

NB500-Q P195



1Q

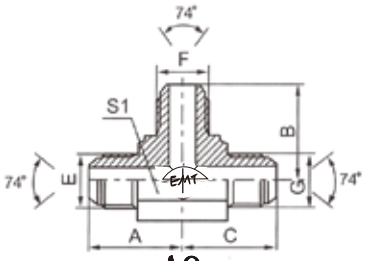


1Q-RN

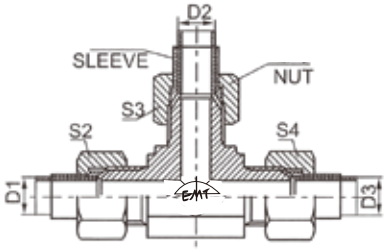
METRIC MALE 74° CONE

PART NO.	THREAD		TUBE O.D.		DIMENSIONS				
	E	F	D1,D2		A	B	L	S1	S2 S3
1Q-10	M10X1	M10X1	5		12.5	12.5	31	12	14
1Q-12	M12X1.5	M12X1.5	6		15.7	15.7	37.4	14	14
1Q-14	M14X1.5	M14X1.5	8		17	17	40	17	17
1Q-16	M16X1.5	M16X1.5	10		18	18	42	17	19
1Q-18	M18X1.5	M18X1.5	12		18	18	42	19	22
1Q-22	M22X1.5	M22X1.5	14		19.5	19.5	47	24	27
1Q-24	M24X1.5	M24X1.5	16		20	20	50	27	30
1Q-27	M27X1.5	M27X1.5	18		20	20	50	30	32
1Q-30	M30X1.5	M30X1.5	20		23	23	57	32	36
1Q-33	M33X2	M33X2	22		26	26	63	36	38
1Q-36	M36X2	M36X2	25		25	25	61	38	41
1Q-39	M39X2	M39X2	28		26	26	65	41	46
1Q-42	M42X2	M42X2	32		28.5	28.5	70	46	50
1Q-45	M45X2	M45X2	34		28.5	28.5	70	46	50

Note: 1 In case if you are interested to order the adapter in complete set with sleeve and nut, It is necessary to insert suffix “RN” after our part no. for example 1Q-18-RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 1Q-10-SS means stainless steel adaptor. 1Q-10-EE means brass adaptor.



AQ

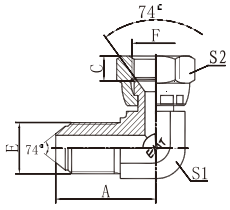


AQ-RN

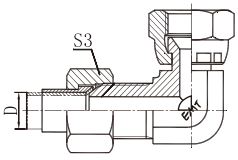
METRIC MALE 74° CONE TEE

PART NO.	THREAD			TUBE O.D.		DIMENSIONS				
	E	F	G	D1, D2, D3		A	B	C	S1	S2, S3, S4
AQ-14	M14X1.5	M14X1.5	M14X1.5	8		30.2	30.2	30.2	14	17
AQ-16	M16X1.5	M16X1.5	M16X1.5	10		32	32	32	16	19
AQ-18	M18X1.5	M18X1.5	M18X1.5	12		34	34	34	19	22
AQ-22	M22X1.5	M22X1.5	M22X1.5	14		37.5	37.5	37.5	22	27
AQ-27	M27X1.5	M27X1.5	M27X1.5	18		41.5	41.5	41.5	27	32
AQ-30	M30X1.5	M30X1.5	M30X1.5	20		45.8	45.8	45.8	30	36
AQ-33	M33X2	M33X2	M33X2	22		49.5	49.5	49.5	33	38

Note: In case if you are interested to order the adapter in complete set with sleeve and nut, It is necessary to insert suffix "RN" after our part no. for example AQ-14-RN.



2Q9

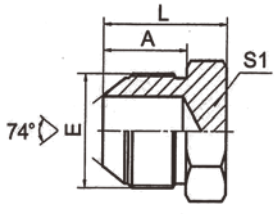


2Q9-RN

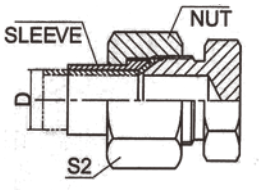
METRIC MALE 74° CONE/METRIC FEMALE 74° SEAT

PART NO.	THREAD		TUBE O.D.		DIMENSIONS				
	E	F	D		A	C	S1	S2	S3
2Q9-14	M14X1.5	M14X1.5	8		30.2	8.5	14	19	17
2Q9-16	M16X1.5	M16X1.5	10		32.5	8	16	22	19
2Q9-18	M18X1.5	M18X1.5	12		34	8	19	24	22
2Q9-22	M22X1.5	M22X1.5	14		37.5	10	22	27	27
2Q9-27	M27X1.5	M27X1.5	18		41.5	10	27	32	32
2Q9-30	M30X1.5	M30X1.5	20		45.8	11	30	36	36
2Q9-33	M33X2	M33X2	22		49.5	13	33	41	38
2Q9-36	M36X2	M36X2	25		51.5	13	36	41	41
2Q9-39	M39X2	M39X2	28		55.5	13	41	46	46
2Q9-45	M45X2	M45X2	34		62.5	15	48	55	50

Note: In case if you are interested to order the adapter in complete set with sleeve and nut, It is necessary to insert suffix "RN" after our part no. for example 2Q9-14-RN.



4Q

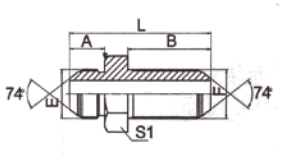


4Q-RN

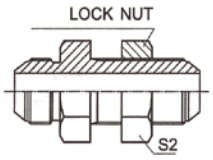
METRIC MALE 74° CONE PLUG

PART NO.	THREAD		TUBE O.D.		DIMENSIONS				
	E		D		A	L	S1	S2	
4Q-10	M10X1		5		12	18	12	14	
4Q-12	M12X1.5		6		15.7	21.5	14	14	
4Q-14	M14X1.5		8		17	23	17	17	
4Q-16	M16X1.5		10		18	24	17	19	
4Q-18	M18X1.5		12		18	24	19	22	
4Q-22	M22X1.5		14		19.5	27.5	24	27	
4Q-24	M24X1.5		16		20	30	27	30	
4Q-27	M27X1.5		18		20	30	30	32	
4Q-30	M30X1.5		20		23	34	32	36	
4Q-30E	M30X2		20		26	37	32	36	
4Q-33	M33X2		22		26	37	36	38	
4Q-36	M36X2		25		26	38	38	41	
4Q-39	M39X2		28		26	39	41	46	
4Q-42	M42X2		32		28.5	41.5	46	50	
4Q-45	M45X2		34		28.5	41.5	46	55	

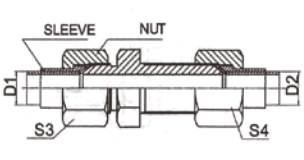
Note: 1 In case if you are interested to order the adapter in complete set with sleeve and nut, it is necessary to insert suffix “RN” after our part NO.,for example 4Q-1 8RN,The sIeeve NO.is NB500-Q and the nut NO.is NB200-Q
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 4Q-10-SS means stainless steel adaptor. 4Q-10-EE means brass adaptor.



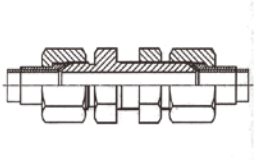
6Q



6Q-LN



6Q-RN

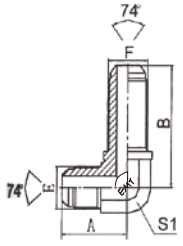


6Q-LN/RN

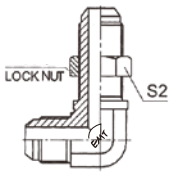
METRIC MALE 74° CONE BULKHEAD

PART NO.	THREAD		TUBE O.D.		DIMENSIONS					
	E	F	D1, D2		A	B	L	S1	S2	S3, S4
6Q-10	M10X1	M10X1	5		12.5	34	52.5	14	14	14
6Q-12	M12X1.5	M12X1.5	6		15.7	38	59.7	17	17	14
6Q-14	M14X1.5	M14X1.5	8		17	40	64	17	19	17
6Q-16	M16X1.5	M16X1.5	10		18	41	65	19	22	19
6Q-18	M18X1.5	M18X1.5	12		18	43	69	24	24	22
6Q-22	M22X1.5	M22X1.5	14		19.5	44	73.5	27	27	27
6Q-24	M24X1.5	M24X1.5	16		20	45	75	27	30	30
6Q-27	M27X1.5	M27X1.5	18		20	48	78	30	32	32
6Q-30	M30X1.5	M30X1.5	20		23	53	87	34	36	36
6Q-33	M33X2	M33X2	22		26	55	92	36	41	38
6Q-36	M36X2	M36X2	25		25	56	94	41	41	41
6Q-39	M39X2	M39X2	28		26	58	97	41	46	46
6Q-42	M42X2	M42X2	32		28.5	59	102.5	50	50	50
6Q-45	M45X2	M45X2	34		28.5	60	103.5	50	50	55

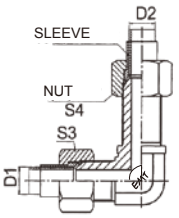
Note ;In case if you are interested to order the adapter with lock nut,please insert suffix "LN" after our part NO.,for example 6Q-18LN:order the adapter with sleeve and nut, please insert suffix "RN" after our part NO.,for example 6Q-18RN order the. adapter with lock nut and sleeve and nut, insert suffix "LN/RN" after part NO.,for example 6Q-18LN/RN The sleeve NO. is NB500-Q and the nut NO. is NB200-Q and the lock nut NO. is 8C.



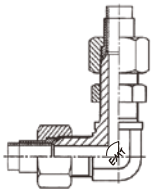
6Q9



6Q9-LN



6Q9-RN



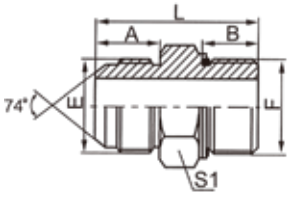
6Q9-LN/RN

90° ELBOW METRIC MALE 74° CONE BULKHEAD

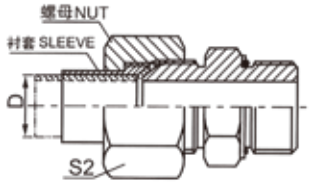
PART NO.	THREAD		TUBE O.D.		DIMENSIONS				
	E	F	D1. D2		A	B	S1	S2	S3. S4
6Q9-12	M12X1.5	M12X1.5	6		25.5	52	11	17	14
6Q9-14	M14X1.5	M14X1.5	8		30.2	56	14	19	17
6Q9-16	M16X1.5	M16X1.5	10		32	58	16	22	19
6Q9-18	M18X1.5	M18X1.5	12		34	62	19	24	22

PART NO.	THREAD		TUBE O.D.		DIMENSIONS				
	E	F	D1. D2		A	B	S1	S2	S3. S4
6Q9-22	M22X1.5	M22X1.5	14		37.5	64	22	27	27
6Q9-27	M27X1.5	M27X1.5	18		41.5	72	27	32	32
6Q9-30	M30X1.5	M30X1.5	20		45.8	78	30	36	36
6Q9-33	M33X2	M33X2	22		51.5	82	33	41	38
6Q9-36	M36X2	M36X2	25		51.5	86	36	41	41
6Q9-39	M39X2	M39X2	28		55.5	88	41	46	46
6Q9-42	M42X2	M42X2	32		57	95	41	50	50
6Q9-45	M45X2	M45X2	34		62.5	96	48	55	55

Note;ln case if you are interested to order the adapter with lock nut,please insert suffix "LN" after our part NO.,for example 6Q-18LN:order the adapter with sleeve and nut, please insert suffix "RN" after our part NO.,for example 6Q-18RN order the. adapter with lock nut and sleeve and nut, insert suffix "LN/RN" after part NO.,for example 6Q-18LN/RN The sleeve NO. is NB500-Q and the nut NO. is NB200-Q and the lock nut NO. is 8C.



1QH

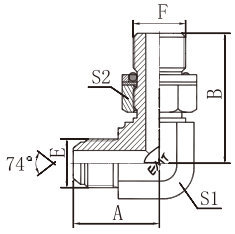


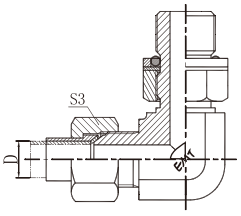
1QH-RN

METRIC 74° CONE/METRIC MALE
L-SERIES ISO 6149-3

PART NO.	THREAD		TUBE O.D.	O-RING	DIMENSIONS				
	E	F		F	A	B	L	S1	S2
1QH-14-12	M14X1 5	M12X1.5	8	009.3X2.4	17	11.0	36.5	17	17
1QH-16-14	M16X1.5	M14X1.5	10	011.3X2.4	18	11.0	37.5	19	19
1QH-18-16	M18X1.5	M16X1.5	12	013.3X2.4	18	11.5	38	22	22
1QH-22-18	M22X1,5	M18X1.5	14	015.3X2.4	19.5	12.5	40.5	24	27
1QH-27-22	M27X1.5	M22X1.5	18	019.3X2.4	20	13.0	44	27	32
1QH-30-27	M30X1.5	M27X2	20	023.5X3.0	23	16.0	50	32	36
1QH-33-27	M33X2	M27X2	22	023.5X3.0	26	16.0	53	34	38
1QH-36-33	M36X2	M33X2	25	029.5X3.0	26	16.0	55	41	41
1QH-39-33	M39X2	M33X2	28	029.5X3.0	26	16.0	55	41	46
1QH-45-42	M45X2	M42X2	34	038.5X3.0	28.5	16.0	59.5	50	55

Note:l In case if you are interested to order the adapter in complete set with sleeve and nut,it is necessary to insert suffix "RN" after our part NO.,for example 1QH-22- 18/RN,The sleeve NO.is NB500-Q and the nut No. is NB200-Q 2 F end is connected with ISO 9974-1 port and connected with ISO 6149-1 port without retaining ring.



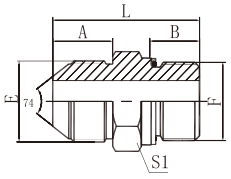


90° ELBOW METRIC 74° CONE/
METRIC MALE ADJUSTABLE STUD END
L-SERIES ISO 6149-3

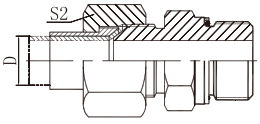
1QH9-OG 1QH9-OG/RN

PART NO.	THREAD		TUBE O.D.	O-RING	DIMENSIONS				
	E	F		F	A	B	S1	S2	S3
1QH9-14-12OG	M14X1.5	M12X1.5	8	9.3X2.4	29	32	14	17	17
1QH9-16-14OG	M16X1.5	M14X1.5	10	11.3X2.4	32	34	16	19	19
1QH9-18-16OG	M18x1.5	M16x1.5	12	13.3X2.4	34	36	19	22	22
1QH9-22-18OG	M22x1.5	M18x1.5	14	15.3X2.4	37.5	39.5	22	24	27
1QH9-24-22OG	M24x1.5	M22x1.5	16	19.3X2.4	39	41.2	24	27	30
1QH9-27-22OG	M27x1.5	M22x1.5	18	19.3X2.4	41.5	43.5	27	27	32
1QH9-30-27OG	M30x1.5	M27x2	20	23.5X3	45.8	50	30	32	36
1QH9-33-27OG	M33x2	M27x2	22	23.5X3	49.5	52	33	32	41
1QH9-36-33OG	M36x2	M33x2	25	29.5X3	51.5	54	36	41	41
1QH9-39-33OG	M39x2	M33x2	28	29.5X3	55.5	57.2	41	41	46
1QH9-42-42OG	M42x2	M42x2	32	38.5X3	57	57.5	41	50	50
1QH9-45-42OG	M45x2	M42x2	34	38.5X3	62.5	61.2	48	50	50

Note: 1 In case if you are interested to order
the adapter in complete set with cutting ring and nut, It is necessary to insert suffix "RN" after our part no. for example 1DFS9-52-24-RN.
2 F end is connected with ISO 9974-1 port and connected with ISO6149-1 port without retaining ring.
3 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" . And suffix "EE" for ordering brass adaptor. For example: 1QH9-14-02OG-SS means stainless steel adaptor. 1QH9-14-02OG-EE means brass adaptor.



1QG

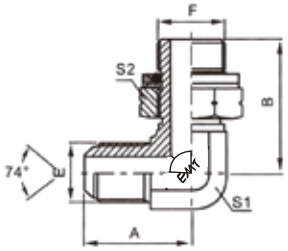


1QG-RN

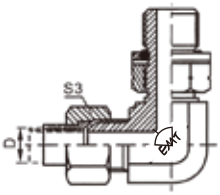
METRIC MALE 74° CONE/BSP MALE O-RING

PART NO.	THREAD		TUBE O.D.	O-RING	DIMENSIONS				
	E	F		F	A	B	L	S1	S2
1QG-14-04	M14X1.5	G1/4″X19	8	10.77X2.62	17	10	35	19	17
1QG-16-06	M16X1.5	G3/8″X19	10	13.94X2.62	18	11.5	40	22	19
1QG-18-06	M18X1.5	G3/8″X19	12	13.94X2.62	18	11.5	40	22	22
1QG-18-08	M18X1.5	G1/2″X14	12	13.94X2.62	18	14	45	27	22
1QG-22-06	M22X1.5	G3/8″X19	14	13.94X2.62	19.5	11.5	41.5	24	27
1QG-27-06	M27X1.5	G3/8″X19	18	13.94X2.62	20	11.5	44	30	32
1QG-30-12	M30X1.5	G3/4″X14	20	23.47X2.62	23	15.5	52.5	32	36
1QG-39-16	M39X2	G1″X11	28	29.74X3.53	26	18	60	41	46
1QG-45-20	M45X2	G1.1/4″X11	34	37.69X3.53	28.5	20	66.5	50	50

Note: 1 In case if you are interested to order the adapter in complete set with s
leeve and nut, It is necessary to insert suffix "RN" after our part no. for example 1QG-18-06RN. The sleeve No. is NB500-Q and the nut NO. is NB200-Q.
2 F end is connected with DIN 3852 port.



1QG9

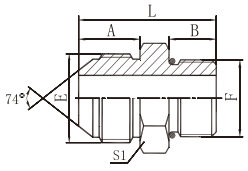


1QG9-OR/RN

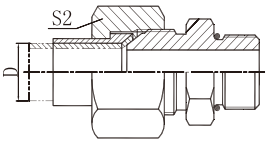
90° ELBOW METRIC MALE 74° CONE/ BSP MALE O-RING ADJUSTABLE STUD END

PART NO.	THREAD		TUBE O.D.	O-RING	DIMENSIONS				
	E	F		F	A	B	S1	S2	S3
1QG9-14-040G	M14X1.5	G1/4" X19	8	0111	29	31.3	14	19	17
1QG9-16-060G	M16X1.5	G3/8" X19	10	0113	33	35.8	16	22	19
1QG9-18-060G	M18X1.5	G3/8" X19	12	0113	34	36.8	19	22	22
1QG9-18-080G	M18X1.5	G1/2" X14	12	0115	36	43.2	22	27	22
1QG9-22-080G	M22X1.5	G1/2" X14	14	0115	37.5	43.2	22	27	27
1QG9-27-120G	M27X1.5	G3/4" X14	18	0119	41.5	49.3	27	32	32
1QG9-30-120G	M30X1.5	G3/4" X14	20	0119	45.8	52	30	32	36
1QG9-39-160G	M39X2	G1" X11	28	0217	55.5	58	41	41	46
1QG9-45-200G	M45X2	G1.1/4" X11	34	0222	62.5	63	48	50	55

Note:1 In case if you are interested to order the adapter in complete
set with sleeve and nut, it is necessar3t to insert suffix 'sRN" after our part NO., for example
1QG9-22-080G/RN, The sleeve NO. is NB500-Q and the nut No. is NB200-Q. 2 F end is connected with DIN 3852 port.



1Q0

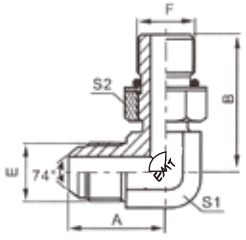


1Q0-RN

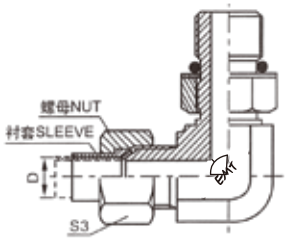
METRIC MALE 74° CONE/SAE O-RING BOSS L-SERIES ISO 11926-3

PART NO.	THREAD		TUBE O.D.	O-RING	DIMENSIONS				
	E	F		F	A	B	L	S1	S2
1Q0-16-06	M16X1.5	9/16"X18	10	11.89X1.98	19	9.93	35	17	19
1Q0-18-08	M18X1.5	3/4"X16	12	16.36X2.21	18	11.13	37	22	22
1Q0-18-10	M18X1.5	7/8"X14	12	19.18X2.46	18	12.7	40.5	27	22
1Q0-22-08	M22X1.5	3/4"X16	14	16.36X2.21	19.5	11.13	38.5	22	27
1Q0-27-08	M27X1.5	3/4"X16	18	16.36X2.21	20	11.13	41	30	32
1Q0-27-10	M27X1.5	7/8"X14	18	19.18X2.46	20	12.7	42.5	30	32
1Q0-27-12	M27X1.5	1.1/16"X12	18	23.47X2.95	20	15.09	46	32	32
1Q0-30-12	M30X1.5	1.1/16"X12	20	23.47X2.95	23	15.09	49	32	36
1Q0-30-16	M30X1.5	1.5/16"X12	20	29.74X2.95	23	15.09	49	38	36
1Q0-33-12	M33X2	1.1/16"X12	22	23.47X2.95	26	15.09	52	36	41
1Q0-39-20	M39X2	1.5/8"X12	28	37.46X3.00	26	15.09	56	50	46

Note: In case if you are interested to order the adapter in complete set with sleeve and nut , it is necessary to insert suffix "RN" after our part no.,for example 1Q0-18-08RN



1Q09

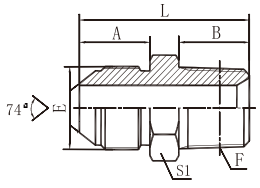


1Q09-OR/RN

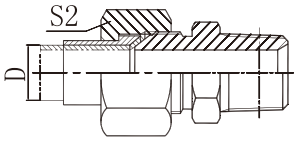
90° ELBOW METRIC MALE 74° CONE/ SAE O-RING BOSS L-SERIES ISO 11926-3

PART NO.	THREAD		TUBE O.D.	O-RING	DIMENSIONS				
	E	F		F	A	B	S1	S2	S3
1Q09-16-06	M16X1.5	9/16" X18	10	0906	32	31.8	16	19	19
1Q09-18-08	M18X1.5	3/4" X16	12	0908	34	36.8	19	24	22
1Q09-22-10	M22X1.5	7/8" X14	14	0910	37.5	44	22	27	27
1Q09-27-12	M27X1.5	1.1/16" X12	18	0912	41.5	51	27	32	32
1Q09-30-12	M30X1.5	1.1/16" X12	20	0912	45.8	53	30	32	36
1Q09-33-16	M33X2	1.5/16" X12	22	0916	51	54.5	33	41	38
1Q09-39-16	M39X2	1.5/16" X12	28	0916	55.5	59.5	41	41	46
1Q09-42-20	M42X2	1.5/8" X12	32	0920	58.5	58.5	41	50	50

Note:1 In case if you are interested to order the adapter in complete set with sleeve and nut,it is necessar3t to insert suffix 'sRN" after our part NO.,for example 1Q09-22-080G/RN,The sleeve NO is NB500-Q and the nut No. is NB200-Q.2 F end is connected with DIN 3852 port.



1QN

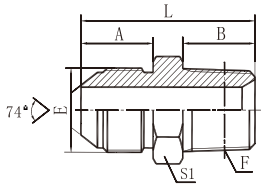


1QN-RN

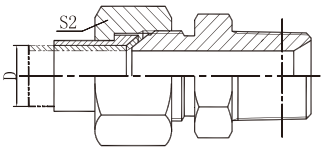
METRIC MALE 74° CONE/NPT MALE

PART NO.	THREAD		TUBE O.D.		DIMENSIONS				
	E	F	D		A	B	L	S1	S2
1QN-12-02	M12X1.5	Z1/8"X27	6		15.7	10.5	32	14	14
1QN-12-04	M12X1.5	Z1/4"X18	6		15.7	15	36.5	14	14
1QN-14-02	M14X1.5	Z1/8"X27	8		17	10.5	33	17	17
1QN-14-04	M14X1.5	Z1/4"X18	8		17	15	38	17	17
1QN-16-04	M16X1.5	Z1/4"X18	10		18	15	39	19	19
1QN-16-06	M16X1.5	Z3/8"X18	10		18	16	40	19	19
1QN-18-04	M18X1.5	Z1/4"X18	12		18	15	39	19	22
1QN-18-06	M18X1.5	Z3/8"X18	12		18	16	40	19	22
1QN-18-08	M18X1.5	Z1/2"X14	12		18	19.5	45.5	24	22
1QN-22-08	M22X1.5	Z1/2"X14	14		19.5	19.5	47	24	27
1QN-27-06	M27X1.5	Z3/8"X18	18		20	16.5	46	30	32
1QN-27-08	M27X1.5	Z1/2"X14	18		20	19	49	30	32
1QN-27-16	M27X1.5	Z1"X11.5	18		20	24	55	36	32
1QN-36-16	M36X2	Z1"X11.5	25		25	25.5	63	41	41
1QN-39-16	M39X2	Z1"X11.5	28		26	25.5	64.5	41	46
1QN-45-16	M45X2	Z1"X11.5	34		28.5	25.5	67	46	50
1QN-45-20	M45X2	Z1.1/4"X11.5	34		28.5	26.5	68	46	50
1QN-45-24	M45X2	Z1.1/2"X11.5	34		28.5	27.5	71	50	50

Note: 1 In case if you are interested to order the adapter in complete set with sleeve and nut,
It is necessary to insert suffix "RN" after our part no. for example 1QN-12-02RN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .
And suffix "EE" for ordering brass adaptor. For example: 1QN-12-02-SS means stainless steel adaptor.
1QN-12-02-EE means brass adaptor.



1QT-SP

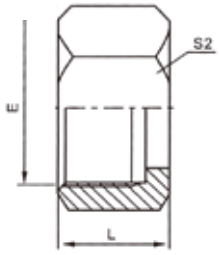


1QT-SP/RN

METRIC MALE 74° CONE/BSPT MALE

PART NO.	THREAD		TUBE O.D.		DIMENSIONS				
	E	F	D		A	B	L	S1	S2
1QT-10-02SP	M10X1	R1/4"X19	5		12	10	28	12	14
1QT-14-04SP	M14X1.5	R1/4"X19	8		17	14.5	37.5	17	17
1QT-14-06SP	M14X1.5	R3/8"X19	8		17	15	38	19	17
1QT-16-04SP	M16X1.5	R1/4"X19	10		18	14.5	38.5	17	17
1QT-16-06SP	M16X1.5	R3/8"X19	10		18	15	39	19	17
1QT-18-04SP	M18X1.5	R1/4"X19	12		18	14.5	38.5	19	22
1QT-18-06SP	M18X1.5	R3/8"X19	12		18	15	39	19	22
1QT-22-08SP	M22X1.5	R1/2"X14	14		19.5	20	47.5	24	27
1QT-27-08SP	M27X1.5	R1/2"X14	18		20	20	50	30	32
1QT-27-12SP	M27X1.5	R3/4"X14	18		20	20	50	30	32
1QT-30-12SP	M30X1.5	R3/4"X14	20		23	20	54	32	36
1QT-33-12SP	M33X2	R3/4"X14	22		26	20	57	36	38
1QT-36-16SP	M36X2	R1"X11	25		25	25.5	61.5	38	41
1QT-39-16SP	M39X2	R1"X11	28		26	25.5	64.5	41	46
1QT-45-20SP	M45X2	R1.1/4"X11	34		28.5	26.5	70	46	55

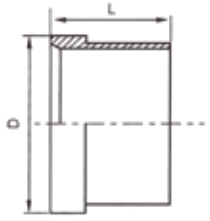
Note: 1 In case if you are interested to order the adapter in complete set with sleeve and nut, It is necessary to insert suffix "RN" after our part no. for example 1QN-10-02SPRN.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" . And suffix "EE" for ordering brass adaptor. For example: 1QN-10-02SP-SS means stainless steel adaptor. 1QN-10-02SP-EE means brass adaptor.



NB200-Q

METRIC 74° CONE FLARED NUT GB/T 5647

PART NO.	THREAD		TUBE O. D.		DIMENSIONS			
	E		mm		L		S2	
NB200-10Q	M10X1		5		13.5		14	
NB200-12Q	M12X1.5		6		16.5		14	
NB200-14Q	M14X1.5		8		18.5		17	
NB200-16Q	M16X1.5		10		19.5		19	
NB200-18Q	M18X1.5		12		19.5		22	
NB200-22Q	M22X1.5		14		19.5		27	
NB200-24Q	M24X1.5		16		20		30	
NB200-27Q	M27X1.5		18		20		32	
NB200-30Q	M30X1.5		20		24.5		36	
NB200-30EQ	M30X2		20		24.5		36	
NB200-33Q	M33X2		22		25.5		38	
NB200-36Q	M36X2		25		26		41	
NB200-39Q	M39X2		28		27.5		46	
NB200-42Q	M42X2		32		28.5		50	
NB200-45Q	M45X2		34		29		55	

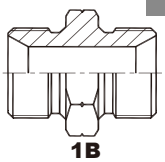
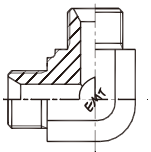
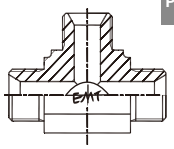
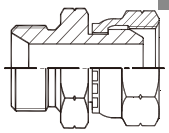
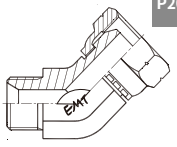
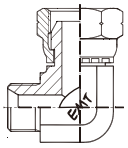
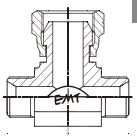
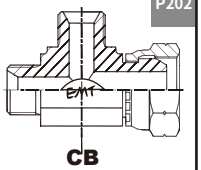
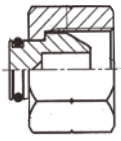
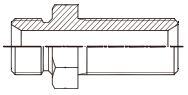
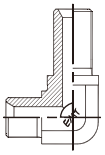
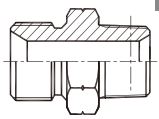
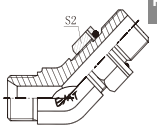
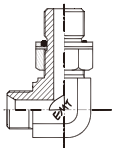
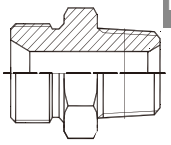
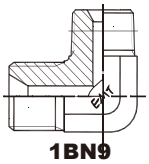
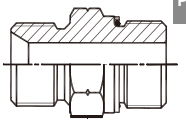
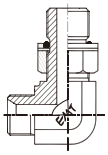
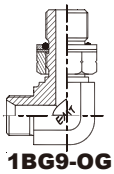
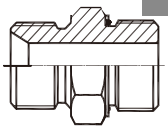
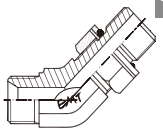
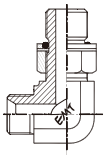
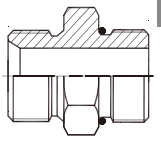
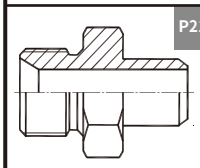
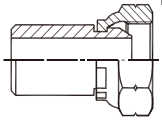
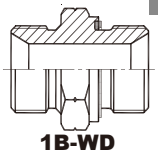
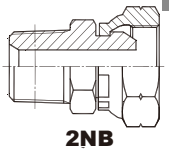
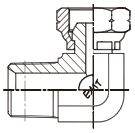
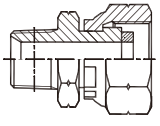
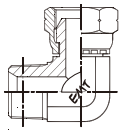
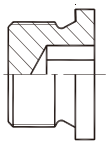
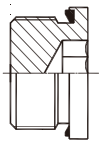
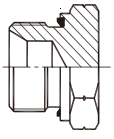
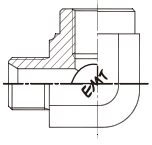
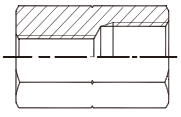
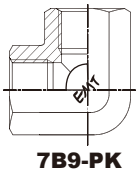
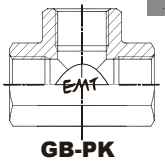
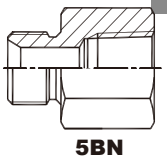
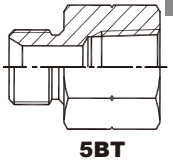
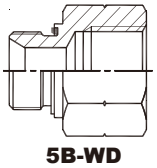
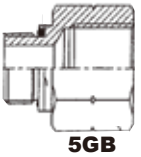
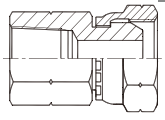
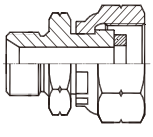
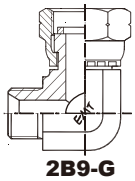
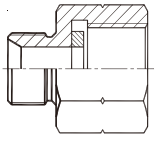


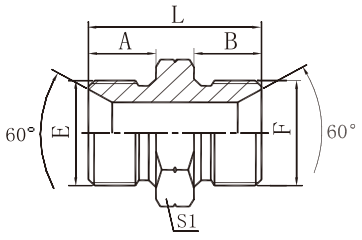
NB500-Q

METRIC 74° CONE FLARED SLEEVE GB/T 5646

PART NO.	TUBE O. D.	DIMENSIONS			
		D	L		NUT
NB500-05Q	5	8.7	10		NB200-10Q
NB500-06Q	6	10.3	11		NB200-12Q
NB500-08Q	8	12.1	12		NB200-14Q
NB500-10Q	10	14.1	13		NB200-16Q
NB500-12Q	12	16.1	14		NB200-18Q
NB500-14Q	14	20.1	15		NB200-22Q
NB500-16Q	16	22.1	16		NB200-24Q
NB500-18Q	18	25.1	17		NB200-27Q
NB500-20Q	20	28.1	18		NB200-30Q. NB200-30EQ
NB500-22Q	22	30.5	20		NB200-33Q
NB500-25Q	25	33.5	20		NB200-36Q
NB500-28Q	28	36.5	22		NB200-39Q
NB500-32Q	32	39.5	23		NB200-42Q
NB500-34Q	34	42.5	23		NB200-45Q

BSP THREAD60° FITTINGS INDEX

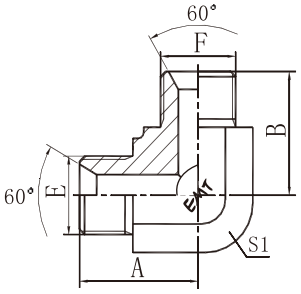
P197  1B	P198  1B9	P199  AB	P200  2B	P201  2B4	P201  2B9
P202  BB	P202  CB	P203  9B	P203  6B 6B-LN	P204  6B9 6B9-LN	P204 8B
P205  1BT-SP	P206  1BT4-SP	P207  1BT9-SP	P208  1BN	P209  1BN9	P210  1BG
P211  1BG4-OG	P211  1BG9-OG	P212  1BH	P213  1BH4-OG	P214  1BH9-OG	P215  1BO
P216  1BW	P216  2WB	P217  1B-WD	P218  2NB	P219  2NB9	P220  2TB-G/SP
P220  2TB9-SP	P221  4BN	P221  4BN-WD	P222  4B-WD	P222  5B9	P223  7B
P224  7B9-PK	P224  GB-PK	P225  5BN	P225  5BT	P226  5B-WD	P227  5GB
P227  7TB-S	P228  2B-G	P228  2B9-G	P229  5B-G		



1B

BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL

PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1B-02	G1/8″X28	G1/8″X28	10	10	26	14
1B-02-04	G1/8″X28	G1/4″X19	10	12	28	19
1B-02-06	G1/8″X28	G3/8″X19	10	13.5	31.5	22
1B-02-08	G1/8″X28	G1/2″X14	10	16	36	27
1B-04	G1/4″X19	G1/4″X19	12	12	30	19
1B-04-06	G1/4″X19	G3/8″X19	12	13.5	33.5	22
1B-04-08	G1/4″X19	G1/2″X14	12	16	38	27
1B-04-10	G1/4″X19	G5/8″X14	12	17.5	39.5	30
1B-04-12	G1/4″X19	G3/4″X14	12	18.5	41.5	32
1B-06	G3/8″X19	G3/8″X19	13.5	13.5	35	22
1B-06-08	G3/8″X19	G1/2″X14	13.5	16	39.5	27
1B-06-10	G3/8″X19	G5/8″X14	13.5	17.5	41	30
1B-06-12	G3/8″X19	G3/4″X14	13.5	18.5	43	32
1B-06-16	G3/8″X19	G1″X11	13.5	20.5	47	41
1B-08	G1/2″X14	G1/2″X14	16	16	42	27
1B-08-10	G1/2″X14	G5/8″X14	16	17.5	43.5	30
1B-08-12	G1/2″X14	G3/4″X14	16	18.5	45.5	32
1B-08-16	G1/2″X14	G1″X11	16	20.5	50	41
1B-08-20	G1/2″X14	G1.1/4″X11	16	20.5	53.5	50
1B-10	G5/8″X14	G5/8″X14	17.5	17.5	45	30
1B-10-12	G5/8″X14	G3/4″X14	17.5	18.5	47	32
1B-10-16	G5/8″X14	G1″X11	17.5	20.5	51.5	41
1B-10-20	G5/8″X14	G1.1/4″X11	17.5	20.5	55	50
1B-12	G3/4″X14	G3/4″X14	18.5	18.5	48	32
1B-12-16	G3/4″X14	G1″X11	18.5	20.5	52.5	41
1B-12-20	G3/4″X14	G1.1/4″X11	18.5	20.5	56	50
1B-12-24	G3/4″X14	G1.1/2″X11	18.5	23	58.5	55
1B-16	G1″X11	G1″X11	20.5	20.5	55.5	41
1B-16-20	G1″X11	G1.1/4″X11	20.5	20.5	58	50
1B-16-24	G1″X11	G1.1/2″X11	20.5	23	60.5	55
1B-16-32	G1″X11	G2″X11	20.5	25.5	64	70
1B-20	G1.1/4″X11	G1.1/4″X11	20.5	20.5	58	50
1B-20-24	G1.1/4″X11	G1.1/2″X11	20.5	23	60.5	55
1B-20-32	G1.1/4″X11	G2″X11	20.5	25.5	64	70
1B-24	G1.1/2″X11	G1.1/2″X11	23	23	63	55
1B-24-32	G1.1/2″X11	G2″X11	23	25.5	66.5	70
1B-32	G2″X11	G2″X11	25.5	25.5	69	70
1B-40	G2.1/2″X11	G2.1/2″X11	32	32	81	90
1B-48	G3″X11	G3″X11	36	36	92	100

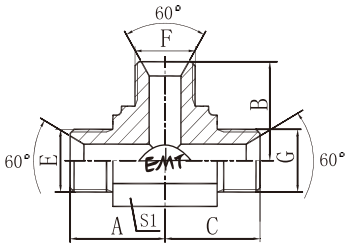


1B9

90 BSP MALE 60 SEAL

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
1B9-02	G1/8″X28	G1/8″X28			19.8	19.8	11		
1B9-02-04	G1/8″X28	G1/4″X19			23	25	14		
1B9-04	G1/4″X19	G1/4″X19			24.5	24.5	14		
1B9-04-06	G1/4″X19	G3/8″X19			26.5	27.5	16		
1B9-06	G3/8″X19	G3/8″X19			27.5	27.5	16		
1B9-06-08	G3/8″X19	G1/2″X14			31	34.5	22		
1B9-08	G1/2″X14	G1/2″X14			34.5	34.5	22		
1B9-08-12	G1/2″X14	G3/4″X14			37.5	40	27		
1B9-10	G5/8″X14	G5/8″X14			35	35	22		
1B9-10-12	G5/8″X14	G3/4″X14			39	40	27		
1B9-12	G3/4″X14	G3/4″X14			40	40	27		
1B9-12-16	G3/4″X14	G1″X11			43.5	46	33		
1B9-16	G1″X11	G1″X11			46	46	33		
1B9-16-20	G1″X11	G1.1/4″X11			50.5	50.5	41		
1B9-20	G1.1/4″X11	G1.1/4″X11			50.5	50.5	41		
1B9-20-24	G1.1/4″X11	G1.1/2″X11			54.5	57.5	48		
1B9-24	G1.1/2″X11	G1.1/2″X11			57.5	57.5	48		
1B9-32	G2″X11	G2″X11			68	68	63		

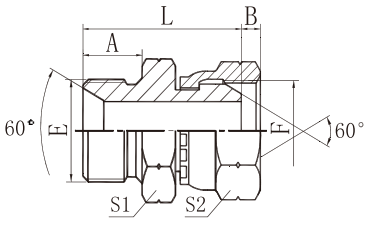
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 1B9-02-SS means stainless steel adaptor. 1B9-02-EE means brass adaptor.



AB

BSP MALE 60° SEAL TEE

PART NO.	THREAD					DIMENSIONS				
	E	F	G			A	B	C	S1	
AB-04	G1/4″X19	G1/4″X19	G1/4″X19			24.5	24.5	24.5	14	
AB-04-06-04	G1/4″X19	G3/8″X19	G1/4″X19			26.5	27.5	26.5	16	
AB-04-10-04	G1/4″X19	G5/8″X14	G1/4″X19			30	35	30	22	
AB-04-16-12	G1/4″X19	G1″X11	G3/4″X14			37	46	43.5	33	
AB-06	G3/8″X19	G3/8″X19	G3/8″X19			27.5	27.5	27.5	16	
AB-06-04-06	G3/8″X19	G1/4″X19	G3/8″X19			27.5	26.5	27.5	16	
AB-06-08-06	G3/8″X19	G1/2″X14	G3/8″X19			31	34.5	31	22	
AB-08	G1/2″X14	G1/2″X14	G1/2″X14			34.5	34.5	34.5	22	
AB-08-04-08	G1/2″X14	G1/4″X19	G1/2″X14			34.5	30	34.5	22	
AB-08-06-08	G1/2″X14	G3/8″X19	G1/2″X14			34.5	31	34.5	22	
AB-08-12-08	G1/2″X14	G3/4″X14	G1/2″X14			37.5	40	37.5	27	
AB-10	G5/8″X14	G5/8″X14	G5/8″X14			35	35	35	22	
AB-10-12-10	G5/8″X14	G3/4″X14	G5/8″X14			39	40	39	27	
AB-12	G3/4″X14	G3/4″X14	G3/4″X14			40	40	40	27	
AB-12-04-12	G3/4″X14	G1/4″X19	G3/4″X14			40	34	40	27	
AB-12-06-12	G3/4″X14	G3/8″X19	G3/4″X14			40	35.5	40	27	
AB-12-08-12	G3/4″X14	G1/2″X14	G3/4″X14			40	37.5	40	27	
AB-12-12-08	G3/4″X14	G3/4″X14	G1/2″X14			40	40	37.5	27	
AB-12-16-08	G3/4″X14	G1″X11	G1/2″X14			43.5	46	41	33	
AB-12-16-12	G3/4″X14	G1″X11	G3/4″X14			43.5	46	43.5	33	
AB-16	G1″X11	G1″X11	G1″X11			46	46	46	33	
AB-16-08-16	G1″X11	G3/8″X19	G1″X11			46	41	46	33	
AB-16-12-16	G1″X11	G3/4″X14	G1″X11			46	43.5	46	33	
AB-16-16-08	G1″X11	G1″X11	G1/2″X14			46	46	41	33	
AB-16-20-16	G1″X11	G1.1/4″X11	G1″X11			50.5	50.5	50.5	41	
AB-20	G1.1/4″X11	G1.1/4″X11	G1.1/4″X11			50.5	50.5	50.5	41	
AB-20-04-20	G1.1/4″X11	G1/4″X19	G1.1/4″X11			50.5	42.5	50.5	41	
AB-20-06-20	G1.1/4″X11	G3/8″X19	G1.1/4″X11			50.5	44	50.5	41	
AB-20-08-20	G1.1/4″X11	G1/2″X14	G1.1/4″X11			50.5	45.5	50.5	41	
AB-20-12-20	G1.1/4″X11	G3/4"X14	G1.1/4″X11			50.5	48	50.5	41	
AB-20-16-20	G1.1/4″X11	G1″X11	G1.1/4″X11			50.5	50.5	50.5	41	
AB-20-20-16	G1.1/4″X11	G1.1/4″X11	G1″X11			50.5	50.5	50.5	41	
AB-24	G1.1/2″X11	G1.1/2″X11	G1.1/2″X11			57.5	57.5	57.5	48	

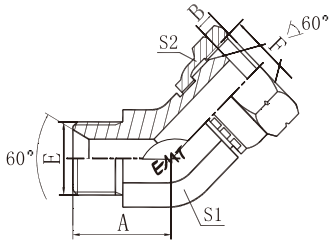


2B

BSP MALE DOUBLE USE FOR 60° SEAL
OR BONDED SEAL/BSP FEMALE 60° CONE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	L	S1	S2
2B-02	G1/8"X28	G1/8"X28			10	5.5	25	14	14
2B-04	G1/4"X19	G1/4"X19			12	5.5	29	19	19
2B-04-06	G1/4"X19	G3/8"X19			12	6.3	30.5	19	22
2B-04-08	G1/4"X19	G1/2"X14			12	7.5	32	19	27
2B-06	G3/8"X19	G3/8"X19			13.5	6.3	34	22	22
2B-06-04	G3/8"X19	G1/4"X19			13.5	5.5	32.5	22	19
2B-06-08	G3/8"X19	G1/2"X14			13.5	7.5	35.5	22	27
2B-08	G1/2"X14	G1/2"X14			16	7.5	40	27	27
2B-08-04	G1/2"X14	G1/4"X19			16	5.5	37	27	19
2B-08-06	G1/2"X14	G3/8"X19			16	6.3	38.5	27	22
2B-08-10	G1/2"X14	G5/8"X14			16	9.5	40.5	27	30
2B-08-12	G1/2"X14	G3/4"X14			16	10.9	41	27	32
2B-10	G5/8"X14	G5/8"X14			17.5	9.5	42	30	30
2B-10-08	G5/8"X14	G1/2"X14			17.5	7.5	41.5	30	27
2B-10-12	G5/8"X14	G3/4"X14			17.5	10.9	42.5	30	32
2B-12	G3/4"X14	G3/4"X14			18.5	10.9	44.5	32	32
2B-12-08	G3/4"X14	G1/2"X14			18.5	7.5	43.5	32	27
2B-12-16	G3/4"X14	G1"X11			18.5	11.7	46	32	41
2B-16	G1"X11	G1"X11			20.5	11.7	50	41	41
2B-16-12	G1"X11	G3/4"X14			20.5	10.9	49	41	32
2B-16-20	G1"X11	G1.1/4"X11			20.5	11	52	41	50
2B-20	G1.1/4"X11	G1.1/4"X11			20.5	11	54	50	50
2B-20-16	G1.1/4"X11	G1"X11			20.5	11.7	52	50	41
2B-20-24	G1.1/4"X11	G1.1/2"X11			20.5	13	54.5	50	55
2B-20-32	G1.1/4"X11	G2"X11			20.5	16	57.5	60	70
2B-24	G1.1/2"X11	G1.1/2"X11			23	13	57	55	55
2B-32	G2"X11	G2"X11			25.5	16	64.5	70	70

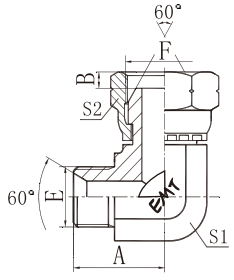
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 2B-02-SS means stainless steel adaptor. 2B-02-EE means brass adaptor.



2B4

45° BSP MALE 60° SEAT/BSP FEMALE 60° CONE

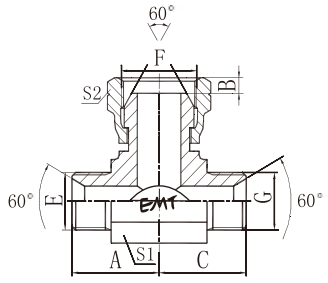
PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1	S2	
2B4-04	G1/4″X19	G1/4″X19			20.3	5.5	14	19	
2B4-04-06	G1/4″X19	G3/8″X19			20.3	6.3	14	22	
2B4-06	G3/8″X19	G3/8″X19			22	6.3	16	22	
2B4-06-04	G3/8″X19	G1/4″X19			22	5.5	16	19	
2B4-08	G1/2″X14	G1/2″X14			27	7.5	22	27	
2B4-08-06	G1/2″X14	G3/8″X19			27	6.3	22	22	
2B4-10	G5/8″X14	G5/8″X14			28.5	9.5	22	30	
2B4-10-08	G5/8″X14	G1/2″X14			28.5	7.5	22	27	
2B4-12	G3/4″X14	G3/4″X14			31	10.9	27	32	
2B4-16	G1″X11	G1″X11			35	11.7	33	41	
2B4-20	G1.1/4″X11	G1.1/4″X11			38.5	11	41	50	
2B4-24	G1.1/2″X11	G1.1/2″X11			44	13	48	55	
2B4-32	G2″X11	G2″X11			51	16	63	70	



2B9

90° BSP MALE 60° SEAT/BSP FEMALE 60° CONE

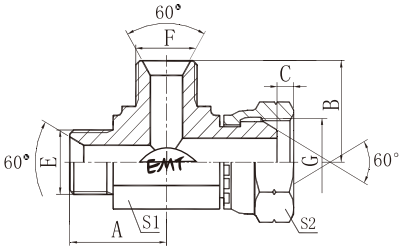
PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1	S2	
2B9-02	G1/8″X28	G1/8″X28			19.8	5.5	11	14	
2B9-04	G1/4″X19	G1/4″X19			24.5	5.5	14	19	
2B9-04-06	G1/4″X19	G3/8″X19			24.5	6.3	14	22	
2B9-06	G3/8″X19	G3/8″X19			27.5	6.3	16	22	
2B9-06-04	G3/8″X19	G1/4″X19			27.5	5.5	16	19	
2B9-08	G1/2″X14	G1/2″X14			34.5	7.5	22	27	
2B9-08-06	G1/2″X14	G3/8″X19			34.5	6.3	22	22	
2B9-10	G5/8″X14	G5/8″X14			35	9.5	22	30	
2B9-10-08	G5/8″X14	G1/2″X14			35	7.5	22	27	
2B9-12	G3/4″X14	G3/4″X14			40	10.9	27	32	
2B9-16	G1″X11	G1″X11			46	11.7	33	41	
2B9-20	G1.1/4″X11	G1.1/4″X11			50.5	11	41	50	
2B9-24	G1.1/2″X11	G1.1/2″X11			57.5	13	48	55	
2B9-32	G2″X11	G2″X11			70	16	63	70	



BB

BSP MALE 60° SEAT/BSP FEMALE 60° CONE BRANCH TEE

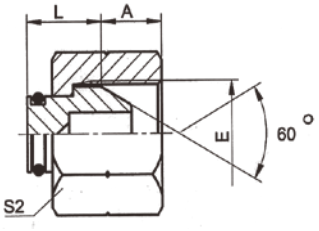
PART NO.	THREAD					DIMENSIONS				
	E	F	G			A	B	C	S1	S2
BB-04	G1/4″X19	G1/4″X19	G1/4″X19			24.5	5.5	24.5	14	19
BB-06	G3/8″X19	G3/8″X19	G3/8″X19			27.5	6.3	27.5	16	22
BB-08	G1/2″X14	G1/2″X14	G1/2″X14			34.5	7.5	34.5	22	27
BB-12	G3/4″X14	G3/4″X14	G3/4″X14			40	10.9	40	27	32
BB-16	G1″X11	G1″X11	G1″X11			46	11.7	46	33	41
BB-20	G1.1/4″X11	G1.1/4″X11	G1.1/4″X11			50.5	11	50.5	41	50
BB-24	G1.1/2″X11	G1.1/2″X11	G1.1/2″X11			57.5	13	57.5	48	55



CB

BSP MALE 60° SEAT/BSP FEMALE 60° CONE RUN TEE

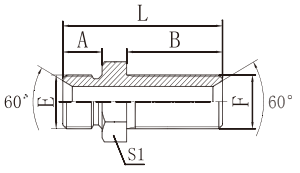
PART NO.	THREAD					DIMENSIONS				
	E	F	G			A	B	C	S1	S2
CB-04	G1/4″X19	G1/4″X19	G1/4″X19			25	25	5.5	14	19
CB-06	G3/8″X19	G3/8″X19	G3/8″X19			27.5	27.5	6.3	16	22
CB-08	G1/2″X14	G1/2″X14	G1/2″X14			34.5	34.5	7.5	22	27
CB-08-06-08	G1/2″X14	G3/8″X19	G1/2″X14			34.5	31	7.5	22	27
CB-10	G5/8″X14	G5/8″X14	G5/8″X14			34.5	34.5	9.5	22	30
CB-12	G3/4″X14	G3/4″X14	G3/4″X14			40	40	10.9	27	32
CB-12-06-12	G3/4″X14	G3/8″X19	G3/4″X14			40	34.5	10.9	27	32
CB-12-08-12	G3/4″X14	G1/2″X14	G3/4″X14			40	37.5	10.9	27	32
CB-16	G1″X11	G1″X11	G1″X11			46	46	11.7	33	41
CB-20	G1.1/4″X11	G1.1/4″X11	G1.1/4″X11			50.5	50.5	11	41	50
CB-24	G1.1/2″X11	G1.1/2″X11	G1.1/2″X11			57.5	57.5	13	48	55

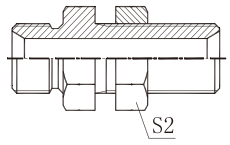


9B

BSP FEMALE 60° CONE PLUG

PART NO.	THREAD				DIMENSIONS				
	E				A	L	S2		
9B-02	G1/8″X28				5.5	11.5	14		
9B-04	G1/4″X19				5.5	13.5	19		
9B-06	G3/8″X19				6.3	14.5	22		
9B-08	G1/2″X14				7.5	16	27		
9B-10	G5/8″X14				9.5	16.5	30		
9B-12	G3/4″X14				10.9	17.5	32		
9B-16	G1″X11				11.7	19	41		
9B-20	G1.1/4″X11				11	21.5	50		
9B-24	G1.1/2″X11				13	22	55		
9B-32	G2″X11				16	26.5	70		



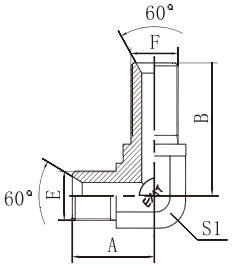


BSP MALE 60° SEAL BULKHEAD

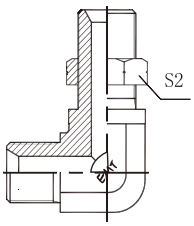
6B　　6B-LN

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	L	S1	S2
6B-02	G1/8″X28	G1/8″X28			10	33	49	14	14
6B-04	G1/4″X19	G1/4″X19			12	35	53	19	19
6B-04-06	G1/4″X19	G3/8″X19			12	35	55	22	22
6B-06	G3/8″X19	G3/8″X19			13.5	35	56.5	22	22
6B-06-08	G3/8″X19	G1/2″X14			13.5	39	62.5	27	27
6B-08	G1/2″X14	G1/2″X14			16	39	65	27	27
6B-08-06	G1/2″X14	G3/8″X19			16	35	61	27	22
6B-08-16	G1/2″X14	G1″X11			16	50	79	41	41
6B-10	G5/8″X14	G5/8″X14			17.5	40	67.5	30	30
6B-12	G3/4″X14	G3/4″X14			18.5	42	71.5	32	32
6B-12-08	G3/4″X14	G1/2″X14			18.5	39	68.5	32	27
6B-12-16	G3/4″X14	G1″X11			18.5	50	82	41	41
6B-16	G1″X11	G1″X11			20.5	50	84	41	41
6B-20	G1.1/4″X11	G1.1/4″X11			20.5	52	89.5	50	50
6B-24	G1.1/2″X11	G1.1/2″X11			23	55	93	55	55
6B-32	G2″X11	G2″X11			25.5	55	97.5	70	70

Note: In case if you are interested to order the adapter in complete set with lock nut , it is necessary to insert suffix "LN" after our part no.,for example 6B-16LN。



6B9

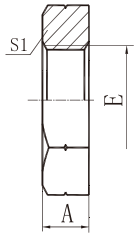


6B9-LN

90° BSP MALE 60° SEAT BULKHEAD

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1	S2	
6B9-02	G1/8″X28	G1/8″X28			22.3	45.5	14	14	
6B9-04	G1/4″X19	G1/4″X19			25	51	16	19	
6B9-04-06	G1/4″X19	G3/8″X19			27.5	53.5	19	22	
6B9-06	G3/8″X19	G3/8″X19			29	53.5	19	22	
6B9-06-08	G3/8″X19	G1/2″X14			32	61	24	27	
6B9-08	G1/2″X14	G1/2″X14			35	61	24	22	
6B9-08-06	G1/2″X14	G3/8″X19			35	57	24	22	
6B9-08-16	G1/2″X14	G1″X11			45.5	83.5	41	41	
6B9-10	G5/8″X14	G5/8″X14			39	64.5	27	30	
6B9-12	G3/4″X14	G3/4″X14			41	67	30	32	
6B9-12-08	G3/4″X14	G1/2″X14			41	64	30	27	
6B9-12-16	G3/4″X14	G1″X11			48	83.5	41	41	
6B9-16	G1″X11	G1″X11			50.5	83.5	41	41	
6B9-20	G1.1/4″X11	G1.1/4″X11			54.5	89.5	48	50	

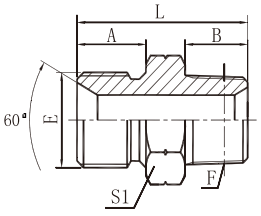
Note : In case if you are interested to order the adapter in complete set with lock nut , it is necessary to insert suffix "LN" after our part no.,for example 6B9-16LN



8B

BSP LOCKNUT

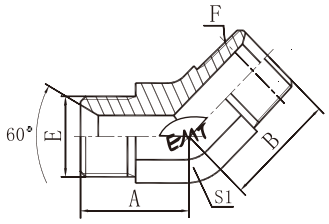
PART NO.	THREAD				DIMENSIONS				
	E				A	S1			
8B-02	G1/8″X28				5.5	14			
8B-04	G1/4″X19				6.5	19			
8B-06	G3/8″X19				7	22			
8B-08	G1/2″X14				9	27			
8B-10	G5/8″X14				9	30			
8B-12	G3/4″X14				10.5	32			
8B-16	G1″X11				10.5	41			
8B-20	G1.1/4″X11				10.5	50			
8B-24	G1.1/2″X11				10.5	55			
8B-32	G2″X11				10.5	70			



1BT-SP

BSP MALE DOUBLE USE FOR 60° SEAL OR BONDED SEAL/BSPT MALE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	L	S1	
1BT-02SP	G1/8″X28	R1/8″X28			10	10	26	14	
1BT-02-04SP	G1/8″X28	R1/4″X19			10	14.5	30.5	17	
1BT-04SP	G1/4″X19	R1/4″X19			12	14.5	32	19	
1BT-04-02SP	G1/4″X19	R1/8″X28			12	10	28	19	
1BT-04-06SP	G1/4″X19	R3/8″X19			12	15	32	19	
1BT-04-08SP	G1/4″X19	R1/2″X14			12	20	40	24	
1BT-04-12SP	G1/4″X19	R3/4″X14			12	20	42	32	
1BT-06SP	G3/8″X19	R3/8″X19			13.5	15	35.5	22	
1BT-06-02SP	G3/8″X19	R1/8″X28			13.5	11	31.5	22	
1BT-06-04SP	G3/8″X19	R1/4″X19			13.5	14.5	35.5	22	
1BT-06-08SP	G3/8″X19	R1/2″X14			13.5	20	40.5	24	
1BT-06-12SP	G3/8″X19	R3/4″X14			13.5	20	42.5	30	
1BT-08SP	G1/2″X14	R1/2″X14			16	20	45	27	
1BT-08-04SP	G1/2″X14	R1/4″X19			16	14.5	40.5	27	
1BT-08-06SP	G1/2″X14	R3/8″X19			16	15	40	27	
1BT-08-12SP	G1/2″X14	R3/4″X14			16	20	45	30	
1BT-08-16SP	G1/2″X14	R1″X11			16	25.5	52.5	36	
1BT-10-06SP	G5/8″X14	R3/8″X19			17.5	15	41.5	30	
1BT-10-08SP	G5/8″X14	R1/2″X14			17.5	20	46.5	30	
1BT-10-12SP	G5/8″X14	R3/4″X14			17.5	20	46.5	30	
1BT-10-16SP	G5/8″X14	R1″X11			17.5	25.5	53	36	
1BT-12SP	G3/4″X14	R3/4″X14			18.5	20	48.5	32	
1BT-12-04SP	G3/4″X14	R1/4″X19			18.5	15.5	44.5	32	
1BT-12-06SP	G3/4″X14	R3/8″X19			18.5	15	43.5	32	
1BT-12-08SP	G3/4″X14	R1/2″X14			18.5	20	48.5	32	
1BT-12-16SP	G3/4″X14	R1″X11			18.5	25.5	53.5	36	
1BT-12-20SP	G3/4″X14	R1.1/4″X11			18.5	26.5	58	46	
1BT-12-24SP	G3/4″X14	R1.1/2″X11			18.5	26.5	60	50	
1BT-12-32SP	G3/4″X14	R2″X11			18.5	30	65.5	65	
1BT-16SP	G1″X11	R1″X11			20.5	25.5	58	41	
1BT-16-08SP	G1″X11	R1/2″X14			20.5	20.5	54	41	
1BT-16-12SP	G1″X11	R3/4″X14			20.5	20	53	41	
1BT-16-20SP	G1″X11	R1.1/4″X11			20.5	26.5	60	46	
1BT-16-24SP	G1″X11	R1.1/2″X11			20.5	26.5	62.5	50	
1BT-16-32SP	G1″X11	R2″X11			20.5	30	67.5	65	
1BT-20SP	G1.1/4″X11	R1.1/4″X11			20.5	26.5	62	50	
1BT-20-12SP	G1.1/4″X11	R3/4″X14			20.5	20.5	56	50	
1BT-20-16SP	G1.1/4″X11	R1″X11			20.5	25.5	61	50	
1BT-20-24SP	G1.1/4″X11	R1.1/2″X11			20.5	26.5	62	50	
1BT-20-32SP	G1.1/4″X11	R2″X11			20.5	30	67.5	65	
1BT-24SP	G1.1/2″X11	R1.1/2″X11			23	26.5	64.5	55	
1BT-24-16SP	G1.1/2″X11	R1″X11			23	25.5	63.5	55	
1BT-24-20SP	G1.1/2″X11	R1.1/4″X11			23	26.5	64.5	55	
1BT-24-32SP	G1.1/2″X11	R2″X11			23	30	70	65	
1BT-32SP	G2″X11	R2″X11			25.5	30	72.5	70	
1BT-32-20SP	G2″X11	R1.1/4″X11			25.5	27	68.5	70	
1BT-32-24SP	G2″X11	R1.1/2″X11			25.5	26.5	68.5	70	
1BT-40SP	G2.1/2″X11	G2.1/2″X11			32	34	83	90	
1BT-48SP	G3″X11	R3″X11			36	38	94	100	

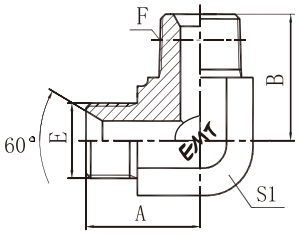


1BT4-SP

45° BSP MALE 60° SEAT/BSPT MALE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
1BT4-02SP	G1/8″X28	R1/8″X28			17	17	11		
1BT4-04SP	G1/4″X19	R1/4″X19			20.3	21	14		
1BT4-04-06SP	G1/4″X19	R3/8″X19			20.5	23	16		
1BT4-06SP	G3/8″X19	R3/8″X19			22	23	16		
1BT4-06-04SP	G3/8″X19	R1/4″X19			22	21	16		
1BT4-06-08SP	G3/8″X19	R1/2″X14			24	29.5	22		
1BT4-06-12SP	G3/8″X19	R3/4″X14			25.5	30.5	27		
1BT4-08SP	G1/2″X14	R1/2″X14			27	29.5	22		
1BT4-08-06SP	G1/2″X14	R3/8″X19			27	25	22		
1BT4-08-12SP	G1/2″X14	R3/4″X14			28.5	30.5	27		
1BT4-10-08SP	G5/8″X14	R1/2″X14			28.5	29.5	22		
1BT4-10-12SP	G5/8″X14	R3/4″X14			30	30.5	27		
1BT4-12SP	G3/4″X14	R3/4″X14			31	30.5	27		
1BT4-12-08SP	G3/4″X14	R1/2″X14			31	30.5	27		
1BT4-12-16SP	G3/4″X14	R1″X11			32.5	38	33		
1BT4-16SP	G1″X11	R1″X11			35	38	33		
1BT4-16-12SP	G1″X11	R3/4″X14			35	32.5	33		
1BT4-16-20SP	G1″X11	R1.1/4″X11			38.5	43	41		
1BT4-20SP	G1.1/4″X11	R1.1/4″X11			38.5	43	41		
1BT4-20-16SP	G1.1/4″X11	R1″X11			38.5	42	41		
1BT4-20-24SP	G1.1/4″X11	R1.1/2″X11			41.5	47.5	48		
1BT4-24SP	G1.1/2″X11	R1.1/2″X11			44	47.5	48		
1BT4-24-20SP	G1.1/2″X11	R1.1/4″X11			44	45.5	48		
1BT4-24-32SP	G1.1/2″X11	R2″X11			48	53	63		
1BT4-32SP	G2″X11	R2″X11			48	53	63		
1BT4-32-24SP	G2″X11	R1.1/2″X11			51	52	63		

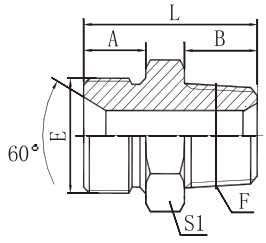
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 1BT4-02SP-SS means stainless steel adaptor. 1BT4-02SP-EE means brass adaptor.



1BT9-SP

90° BSP MALE 60° SEAL/ BSPT MALE

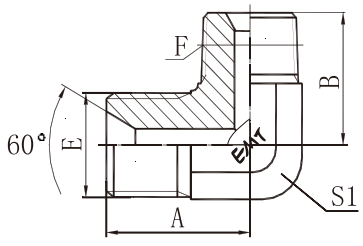
PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
1BT9-02SP	G1/8″X28	R1/8″X28			19.8	21	11		
1BT9-02-04SP	G1/8″X28	R1/4″X19			22.3	25.5	14		
1BT9-04SP	G1/4″X19	R1/4″X19			24.5	25.5	14		
1BT9-04-02SP	G1/4″X19	R1/8″X28			25	23.5	14		
1BT9-04-06SP	G1/4″X19	R3/8″X19			25	28.5	16		
1BT9-04-08SP	G1/4″X19	R1/2″X14			30	36	22		
1BT9-06SP	G3/8″X19	R3/8″X19			27.5	28.5	16		
1BT9-06-04SP	G3/8″X19	R1/4″X19			27.5	26.5	16		
1BT9-06-08SP	G3/8″X19	R1/2″X14			31	36	22		
1BT9-08SP	G1/2″X14	R1/2″X14			34.5	36	22		
1BT9-08-04SP	G1/2″X14	R1/4″X19			34.5	30.5	22		
1BT9-08-06SP	G1/2″X14	R3/8″X19			34.5	32.5	22		
1BT9-08-12SP	G1/2″X14	R3/4″X14			37.5	43.5	27		
1BT9-08-16SP	G1/2″X14	R1″X11			41	50	33		
1BT9-10-08SP	G5/8″X14	R1/2″X14			35	36	22		
1BT9-10-12SP	G5/8″X14	R3/4″X14			39	43.5	27		
1BT9-12SP	G3/4″X14	R3/4″X14			40	43.5	27		
1BT9-12-06SP	G3/4″X14	R3/8″X19			40	36	27		
1BT9-12-08SP	G3/4″X14	R1/2″X14			40	39.5	27		
1BT9-12-16SP	G3/4″X14	R1″X11			43.5	50	33		
1BT9-12-20SP	G3/4″X14	R1.1/4″X11			48	56.5	41		
1BT9-16SP	G1″X11	R1″X11			46	50	33		
1BT9-16-08SP	G1″X11	R1/2″X14			46	43	33		
1BT9-16-12SP	G1″X11	R3/4″X14			46	47.5	33		
1BT9-16-20SP	G1″X11	R1.1/4″X11			50.5	56.5	41		
1BT9-20SP	G1.1/4″X11	R1.1/4″X11			52	59	41		
1BT9-20-12SP	G1.1/4″X11	R3/4″X14			50.5	52	41		
1BT9-20-16SP	G1.1/4″X11	R1″X11			52	56.5	41		
1BT9-20-24SP	G1.1/4″X11	R1.1/2″X11			54.5	62.5	48		
1BT9-24SP	G1.1/2″X11	R1.1/2″X11			57.5	62.5	48		
1BT9-24-20SP	G1.1/2″X11	R1.1/4″X11			57.5	61	48		
1BT9-24-32SP	G1.1/2″X11	R2″X11			65	75	63		
1BT9-32SP	G2″X11	R2″X11			67	75	63		
1BT9-32-24SP	G2″X11	R1.1/2″X11			67	72	63		



1BN

BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL/NPT MALE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	L	S1	
1BN-02	G1/8″X28	Z1/8″X27			10	10.5	26	14	
1BN-02-04	G1/8″X28	Z1/4″X18			10	15	31	17	
1BN-04	G1/4″X19	Z1/4″X18			12	15	33	19	
1BN-04-02	G1/4″X19	Z1/8″X27			12	10.5	28	19	
1BN-04-06	G1/4″X19	Z3/8″X18			12	16	34	19	
1BN-04-08	G1/4″X19	Z1/2″X14			12	19.5	39.5	22	
1BN-06	G3/8″X19	Z3/8″X18			13.5	16	37.5	22	
1BN-06-04	G3/8″X19	Z1/4″X18			13.5	15	36	22	
1BN-06-08	G3/8″X19	Z1/2″X14			13.5	19.5	41	22	
1BN-06-12	G3/8″X19	Z3/4″X14			13.5	19.5	43	30	
1BN-08	G1/2″X14	Z1/2″X14			16	19.5	45.5	27	
1BN-08-06	G1/2″X14	Z3/8″X18			16	16	42	27	
1BN-08-12	G1/2″X14	Z3/4’’X14			16	19.5	45.5	30	
1BN-08-16	G1/2″X14	Z1″X11.5			16	25.5	52.5	36	
1BN-10-08	G5/8″X14	Z1/2″X14			17.5	19.5	47	30	
1BN-10-12	G5/8″X14	Z3/4″X14			17.5	19.5	47	30	
1BN-12	G3/4″X14	Z3/4″X14			18.5	19.5	49	32	
1BN-12-04	G3/4″X14	Z1/4″X18			18.5	15	43.5	32	
1BN-12-06	G3/4″X14	Z3/8″X18			18.5	16	45.5	32	
1BN-12-08	G3/4″X14	Z1/2″X14			18.5	19.5	49	32	
1BN-12-16	G3/4″X14	Z1″X11.5			18.5	25.5	55	36	
1BN-16	G1″X11	Z1″X11.5			20.5	25.5	59	41	
1BN-16-08	G1″X11	Z1/2″X14			20.5	20	52.5	41	
1BN-16-12	G1″X11	Z3/4″X14			20.5	19.5	53	41	
1BN-16-20	G1″X11	Z1.1/4″X11.5			20.5	26.5	60	46	
1BN-20	G1.1/4″X11	Z1.1/4″X11.5			20.5	26.5	62	50	
1BN-20-16	G1.1/4″X11	Z1″X11.5			20.5	25.5	61	50	
1BN-20-24	G1.1/4″X11	Z1.1/2″X11.5			20.5	27.5	63	50	
1BN-24	G1.1/2″X11	Z1.1/2″X11.5			23	27.5	65.5	55	
1BN-24-20	G1.1/2″X11	Z1.1/4″X11.5			23	26.5	64.5	55	
1BN-24-32	G1.1/2″X11	Z2″X11.5			23	27.5	67.5	65	
1BN-32	G2″X11	Z2″X11.5			25.5	27.5	70	70	
1BN-32-20	G2″X11	Z1.1/4″X11.5			25.5	26.5	69	70	
1BN-32-24	G2″X11	Z1.1/2″X11.5			25.5	27.5	70	70	

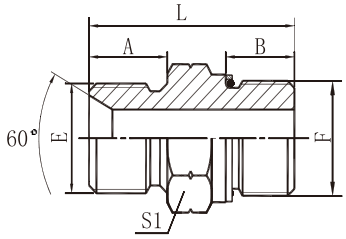


1BN9

90° BSP MALE 60°SEAL/NPT MALE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
1BN9-04	G1/4″X19	Z1/4″X18			24.5	25.5	14		
1BN9-04-02	G1/4″X19	Z1/8″X27			24.5	23.5	14		
1BN9-06	G3/8″X19	Z3/8″X18			28.5	31	19		
1BN9-06-04	G3/8″X19	Z1/4″X18			27.5	26.5	16		
1BN9-06-08	G3/8″X19	Z1/2″X14			31	36.7	22		
1BN9-06-12	G3/8″X19	Z3/4″X14			34.5	44	27		
1BN9-08	G1/2″X14	Z1/2″X14			34.5	37.5	22		
1BN9-08-06	G1/2″X14	Z3/8″X18			34.5	33	22		
1BN9-12	G3/4″X14	Z3/4″X14			38	43.5	27		
1BN9-12-08	G3/4″X14	Z1/2″X14			40	40	27		
1BN9-12-16	G3/4″X14	Z1″X11.5			41	50	33		
1BN9-16	G1″X11	Z1″X11.5			46	50	33		
1BN9-16-12	G1″X11	Z3/4″X14			46	45.2	33		

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 1BN9-04-SS means stainless steel adaptor. 1BN9-04-EE means brass adaptor.

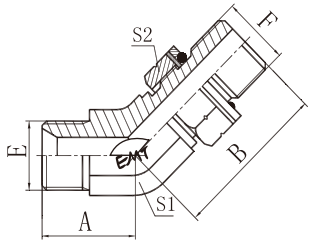


1BG

BSP MALE DOUBLE USE FOR 60°
SEAT OR BONDED SEAL/BSO MALE O-RING

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	L	S1	
1BG-02	G1/8″X28	G1/8″X28		7.65X1.78	10	9.5	27	14	
1BG-04	G1/4″X19	G1/4″X19		10.77X2.62	12	10	30	19	
1BG-04-06	G1/4″X19	G3/8″X19		13.94X2.62	12	11.5	32	22	
1BG-06	G3/8″X19	G3/8″X19		13.94X2.62	13.5	11.5	33	22	
1BG-06-04	G3/8″X19	G1/4″X19		10.77X2.62	13.5	10	31.5	22	
1BG-08	G1/2″X14	G1/2″X14		17.12X2.62	16	14	41	27	
1BG-08-12	G1/2″X14	G3/4″X14		23.47X2.62	16	15.5	45.5	32	
1BG-10-08	G5/8″X14	G1/2″X14		17.12X2.62	17.5	14	44.5	30	
1BG-12	G3/4″X14	G3/4″X14		23.47X2.62	18.5	15.5	46	32	
1BG-12-08	G3/4″X14	G1/2″X14		17.12X2.62	18.5	14	45.5	32	
1BG-16-08	G1″X11	G1/2″X14		17.12X2.62	20.5	14	50.5	41	
1BG-16	G1″X11	G1″X11		29.74X3.53	20.5	18	53	41	
1BG-16-12	G1″X11	G3/4″X14		23.47X2.62	20.5	15.5	52	41	
1BG-20	G1.1/4″X11	G1.1/4″X11		37.69X3.53	20.5	20	58.5	50	
1BG-24	G1.1/2″X11	G1.1/2″X11		44.04X3.53	23	21.5	62.5	55	

Note:1 F end and DIN3852 oil opening match
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 1BG-02-SS means stainless steel adaptor. 1BG-02-EE means brass adaptor.

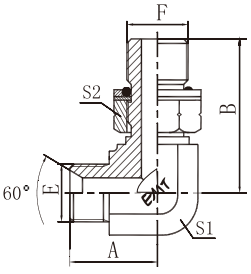


1BG4-OG

45° ELBOW BSP MALE 60° SEAL/BSP MALE
O-RING ADJUSTABLE STUD END

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	S1	S2	
1BG4-040G	G1/4"X19	G1/4"X19		10.77X2.62	22	28	14	19	
1BG4-04-060G	G1/4"X19	G3/8"X19		13.94X2.62	21	30	16	22	
1BG4-04-080G	G1/4"X19	G1/2"X14		17.12X2.62	22.5	36	22	27	
1BG4-060G	G3/8"X19	G3/8"X19		13.94X2.62	21	30	16	22	
1BG4-06-080G	G3/8"X19	G1/2"X14		17.12X2.62	23.5	36	22	27	
1BG4-080G	G1/2"X14	G1/2"X14		17.12X2.62	27	36	22	27	
1BG4-120G	G3/4"X14	G3/4"X14		23.47X2.62	32	42	27	32	
1BG4-12-160G	G3/4"X14	G1"X11		29.74X3.53	32.5	44	33	41	
1BG4-160G	G1"X11	G1"X11		29.74X3.53	34	44	33	41	
1BG4-200G	G1.1/4"X11	G1.1/4"X11		37.69X3.53	38.5	47.5	41	50	
1BG4-240G	G1.1/2"X11	G1.1/2"X11		44.04X3.53	44	51.5	48	55	

Note: F end and DIN3852 oil opening match

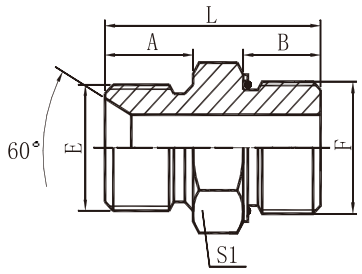


1BG9-OG

90° ELBOW BSP MALE 60° SEAL/BSP MALE
O-RING ADJUSTABLE STUD END

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	S1	S2	
1BG9-040G	G1/4"X19	G1/4"X19		10.77X2.62	25	31.8	14	19	
1BG9-04-060G	G1/4"X19	G3/8"X19		13.94X2.62	26.5	36.8	16	22	
1BG9-060G	G3/8"X19	G3/8"X19		13.94X2.62	27.5	36.8	16	22	
1BG9-06-020G	G3/8"X19	G1/8"X28		7.65X1.78	27.5	32	16	14	
1BG9-06-080G	G3/8"X19	G1/2"X14		17.12X2.62	31	43.2	22	27	
1BG9-080G	G1/2"X14	G1/2"X14		17.12X2.62	34.5	43.2	22	27	
1BG9-08-120G	G1/2"X14	G3/4"X14		23.47X2.62	40	49.3	27	32	
1BG9-120G	G3/4"X14	G3/4"X14		23.47X2.62	40	49.3	27	32	
1BG9-12-160G	G3/4"X14	G1"X11		29.74X3.53	45	53	33	41	
1BG9-160G	G1"X11	G1"X11		29.74X3.53	46	53	33	41	
1BG9-20-160G	G1.1/4"X11	G1"X11		29.74X3.53	50.5	58	41	41	
1BG9-200G	G1.1/4"X11	G1.1/4"X11		37.69X3.53	51.5	58	41	50	
1BG9-240G	G1.1/2"X11	G1.1/2"X11		44.04X3.53	58.5	63	48	55	

Note: F end and DIN3852 oil opening match

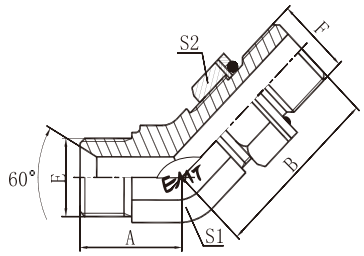


1BH

BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL/
METRIC MALE L-SERIES ISO 6149-3

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	S1	L	
1BH-02-10	G1/8″X28	M10X1		8.1X1.6	10	8.5	14	24.5	
1BH-02-12	G1/8″X28	M12X1.5		9.3X2.4	10	11	17	27	
1BH-04-12	G1/4″X19	M12X1.5		9.3X2.4	12	11	19	29	
1BH-04-14	G1/4″X19	M14X1.5		11.3X2.4	12	11	19	29	
1BH-04-16	G1/4″X19	M16X1.5		13.3X2.4	12	11.5	22	31.5	
1BH-06-14	G3/8″X19	M14X1.5		11.3X2.4	13.5	11	22	32.5	
1BH-06-16	G3/8″X19	M16X1.5		13.3X2.4	13.5	11.5	22	33	
1BH-06-18	G3/8″X19	M18X1.5		15.3X2.4	13.5	12.5	24	34	
1BH-08-18	G1/2″X14	M18X1.5		15.3X2.4	16	12.5	27	38.5	
1BH-08-20	G1/2″X14	M20X1.5		17.3X2.4	16	12.5	27	38.5	
1BH-08-22	G1/2″X14	M22X1.5		19.3X2.4	16	13	27	39	
1BH-10-22	G5/8″X14	M22X1.5		19.3X2.4	17.5	13	30	40.5	
1BH-12-22	G3/4″X14	M22X1.5		19.3X2.4	18.5	13	32	42.5	
1BH-12-27	G3/4″X14	M27X2		23.5X3	18.5	16	32	45.5	
1BH-16-27	G1″X11	M27X2		23.5X3	20.5	16	41	49.5	
1BH-16-33	G1″X11	M33X2		29.2X3	20.5	16	41	49.5	
1BH-20-42	G1.1/4″X11	M42X2		38.5X3	20.5	16	50	51.5	
1BH-24-48	G1.1/2″X11	M48X2		44.5X3	23	17.5	55	55.5	

Note:1 fit for ISO 9974-1 port or ISO 6149-1 port when useless of retaining ring.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 1BH-02-10-SS means stainless steel adaptor. 1BH-02-10-EE means brass adaptor.

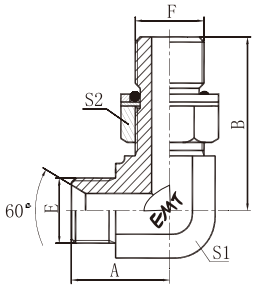


1BH4-OG

45° BSPP MALE/METRIC O-RING MALE

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	S1	S2	
1BH4-02-100G	G1/8″X28	M10X1		8.1X1.6	17	23.5	11	14	
1BH4-02-120G	G1/8″X28	M12X1.5		9.3X2.4	17.8	28.3	14	17	
1BH4-04-120G	G1/4″X19	M12X1.5		9.3X2.4	20.3	28.3	14	17	
1BH4-04-140G	G1/4″X19	M14X1.5		11.3X2.4	20.3	28.3	14	19	
1BH4-04-160G	G1/4″X19	M16X1.5		13.3X2.4	20.5	29	16	22	
1BH4-06-140G	G3/8″X19	M14X1.5		11.3X2.4	22	28.5	16	19	
1BH4-06-160G	G3/8″X19	M16X1.5		13.3X2.4	22	29	16	22	
1BH4-06-180G	G3/8″X19	M18X1.5		15.3X2.4	23	31	19	24	
1BH4-08-180G	G1/2″X14	M18X1.5		15.3X2.4	27	32	22	24	
1BH4-08-200G	G1/2″X14	M20X1.5		17.3X2.4	27	33	22	27	
1BH4-08-220G	G1/2″X14	M22X1.5		19.3X2.4	27	33	22	27	
1BH4-10-220G	G5/8″X14	M22X1.5		19.3X2.4	28.5	33	22	27	
1BH4-12-220G	G3/4″X14	M22X1.5		19.3X2.4	31	34.5	27	27	
1BH4-12-270G	G3/4″X14	M27X2		23.5X3	31	39.5	27	32	
1BH4-16-270G	G1″X11	M27X2		23.5X3	35	41	33	32	
1BH4-16-330G	G1″X11	M33X2		29.2X3	35	41.5	33	41	
1BH4-20-420G	G1.1/4″X11	M42X2		38.5X3	38.5	45	41	50	
1BH4-24-480G	G1.1/2″X11	M48X2		44.5X3	44	49.5	48	55	

Note: 1 fit for ISO 9974-1 port or ISO 6149-1 port when useless of retaining ring.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 1BH-02-100G-SS means stainless steel adaptor. 1BH-02-100G-EE means brass adaptor.

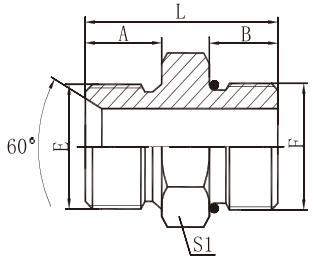


1BH9-OG

90° ELBOW BSP MALE 60° SEAL/METRIC
MALE L-SERIES ISO 6149-3

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	S1	S2	
1BH9-02-100G	G1/8″X28	M10X1		8.1X1.6	20	26.5	11	14	
1BH9-02-120G	G1/8″X28	M12X1.5		9.3X2.4	20	30.5	11	17	
1BH9-04-120G	G1/4″X19	M12X1.5		9.3X2.4	24.5	32	14	17	
1BH9-04-140G	G1/4″X19	M14X1.5		11.3X2.4	24.5	32.5	14	19	
1BH9-04-160G	G1/4″X19	M16X1.5		13.3X2.4	26.5	34.8	16	22	
1BH9-06-140G	G3/8″X19	M14X1.5		11.3X2.4	27.5	34	16	19	
1BH9-06-160G	G3/8″X19	M16X1.5		13.3X2.4	27.5	34.8	16	22	
1BH9-06-180G	G3/8″X19	M18X1.5		15.3X2.4	28.5	37	19	24	
1BH9-08-180G	G1/2″X14	M18X1.5		15.3X2.4	34.5	39.5	22	24	
1BH9-08-200G	G1/2″X14	M20X1.5		17.3X2.4	34.5	40	22	27	
1BH9-08-220G	G1/2″X14	M22X1.5		19.3X2.4	34.5	40.2	22	27	
1BH9-10-200G	G5/8″X14	M20X1.5		17.3X2.4	35	40	22	27	
1BH9-10-220G	G5/8″X14	M22X1.5		19.3X2.4	35	40.2	22	27	
1BH9-12-220G	G3/4″X14	M22X1.5		19.3X2.4	40	43.5	27	27	
1BH9-12-260G	G3/4″X14	M26X1.5		23.5X3	40	47.5	27	32	
1BH9-12-270G	G3/4″X14	M27X2		23.5X3	40	48.5	27	32	
1BH9-16-270G	G1″X11	M27X2		23.5X3	46	52	33	32	
1BH9-16-330G	G1″X11	M33X2		29.2X3	46	52.5	33	41	
1BH9-20-420G	G1.1/4″X11	M42X2		38.5X3	50.5	57.2	41	50	
1BH9-24-480G	G1.1/2″X11	M48X2		44.5X3	57.5	62.7	48	55	

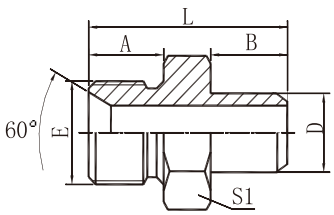
Note: fit for ISO 9974-1 port or ISO 6149-1 port when useless of retaining ring.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 1BH9-02-100G-SS means stainless steel adaptor. 1BH9-02-100G-EE means brass adaptor.



1B0

BSP MALE DOUBLE USE FOR60 SEAT OR BONDED SEAL/
SAE O-RING BOSS L-SERIES ISO 11926-3

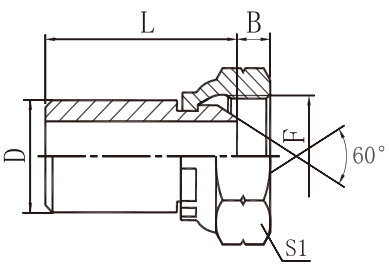
PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	L	S1	
1B0-04	G1/4″X19	7/16″X20		8.92X1.83	12	9.14	27	19	
1B0-04-05	G1/4″X19	1/2″X20		10.52 1.83	12	9.14	27	19	
1B0-04-06	G1/4″X19	9/16″X18		11.89 1.98	12	9.93	28	19	
1B0-04-08	G1/4″X19	3/4″X16		16.36 2.21	12	11.13	31	22	
1B0-04-10	G1/4″X19	7/8″X14		19.18 2.46	12	12.7	34.5	27	
1B0-06	G3/8″X19	9/16″X18		11.89 1.98	13.5	9.93	31.5	22	
1B0-06-04	G3/8″X19	7/16″X20		8.92 1.83	13.5	9.14	30.5	22	
1B0-06-08	G3/8″X19	3/4″X16		16.36 2.21	13.5	11.13	32.5	22	
1B0-06-10	G3/8″X19	7/8″X14		19.19 2.46	13.5	12.7	36.5	27	
1B0-08	G1/2″X14	3/4″X16		16.36-2.21	16	11.13	37	27	
1B0-08-05	G1/2″X14	1/2″X20		10.52-1.83	16	9.14	35	27	
1B0-08-06	G1/2″X14	9/16″X18		11.89-1.98	16	9.93	36	27	
1B0-08-10	G1/2″X14	7/8″X14		19.18-2.46	16	12.7	38.5	27	
1B0-08-12	G1/2″X14	1.1/16″X12		23.47-2.95	16	15.09	42	32	
1B0-08-16	G1/2″X14	1.5/16″X12		29.74-2.95	16	15.09	42	38	
1B0-10	G5/8″X14	7/8″X14		19.18-2.46	17.5	12.7	40	30	
1B0-10-08	G5/8″X14	3/4″X16		16.36-2.21	17.5	11.13	38.5	30	
1B0-10-12	G5/8″X14	1.1/16″X12		23.47-2.95	17.5	15.09	43.5	32	
1B0-12	G3/4″X14	1.1/16″X12		23.47-2.95	18.5	15.09	44.5	32	
1B0-12-08	G3/4″X14	3/4″X16		16.36-2.21	18.5	11.13	40.5	32	
1B0-12-10	G3/4″X14	7/8″X14		19.18-2.46	18.5	12.7	42.5	32	
1B0-12-14	G3/4″X14	1.3/16″X12		26.62-2.95	18.5	15.09	44.5	36	
1B0-12-16	G3/4″X14	1.5/16″X12		29.74-2.95	18.5	15.09	44.5	38	
1B0-12-20	G3/4″X14	1.5/8″X12		37.46-3.00	18.5	15.09	48.5	50	
1B0-16	G1″X11	1.5/16″X12		29.74-2.95	20.5	15.09	48.5	41	
1B0-16-10	G1″X11	7/8″X14		19.18-2.46	20.5	12.7	46.5	41	
1B0-16-12	G1″X11	1.1/16″X12		23.47-2.95	20.5	15.09	48.5	41	
1B0-16-14	G1″X11	1.3/16″X12		26.62-2.95	20.5	15.09	48.5	41	
1B0-16-20	G1″X11	1.5/8″X12		37.46-3.00	20.5	15.09	50.5	50	
1B0-20	G1.1/4″X11	1.5/8″X12		37.46-3.00	20.5	15.09	50.5	50	
1B0-20-16	G1.1/4″X11	1.5/16″X12		29.74-2.95	20.5	15.09	50.5	50	
1B0-24	G1.1/2″X11	1.7/8″X12		43.69-3.00	23	15.09	53	55	



1BW

BSP MALE DOUBLE USE FOR 60°
SAET OR BONDED SEAL/BUTT-WELD TUBE

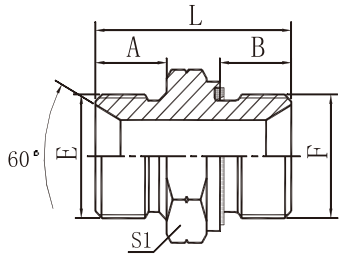
PART NO.	THREAD				DIMENSIONS				
	E				A	B	D	L	S1
1BW-04-10	G1/4″X19				12	7	10	25	19
1BW-06-14	G3/8″X19				13.5	8	14	29.5	22
1BW-08-18	G1/2″X14				16	10	18	36	27
1BW-12-22	G3/4″X14				18.5	10	22	39.5	32
1BW-12-28	G3/4″X14				18.5	12	28	41.5	32
1BW-16-28	G1″X11				20.5	12	28	45.5	41
1BW-20-34	G1.1/4″X11				20.5	14	34	49.5	50
1BW-20-42	G1.1/4″X11				20.5	16	42	51.5	50
1BW-24-42	G1.1/2″X11				23	16	42	54	55
1BW-24-50	G1.1/2″X11				23	16	50	54	55
1BW-32-57	G2″X11				25.5	20	57	62.5	70
1BW-32-60	G2″X11				25.5	20	60	62.5	70
1BW-32-63	G2″X11				25.5	20	63	62.5	70
1BW-32-77	G2″X11				25.5	20	77	64.5	80



2WB

BUTT-WELD TUBE /BSP FEMALE 60° CONE

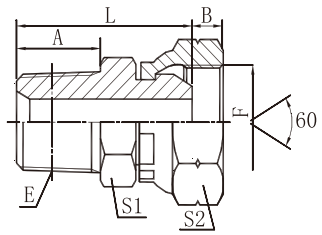
PART NO.	THREAD				DIMENSIONS				
		F			B	D	L	S1	
2WB-10-04		G1/4″X19			5.5	10	35	19	
2WB-14-06		G3/8″X19			6.3	14	50	22	
2WB-18-08		G1/2″X14			7.5	18	50	27	
2WB-22-08		G1/2″X14			7.5	22	50	27	
2WB-22-12		G3/4″X14			10.9	22	62	32	
2WB-28-16		G1″X11			11.7	28	65	41	
2WB-34-20		G1.1/4″X11			11	34	68	50	
2WB-42-20		G1.1/4″X11			11	42	68	50	
2WB-60-32		G2″X11			16	60	62	70	



1B-WD

BSP MALE DOUBLE USE FOR 60°
SAET OR BONDED SEAL/BSP MALE CAPTIVE SEAL

PART NO.	THREAD		CAPTIVE		DIMENSIONS			
	E	F		F	A	B	L	S1
1B-02WD	G1/8″X28	G1/8″X28		WD-B02	10	8	25.5	14
1B-02-04WD	G1/8″X28	G1/4″X19		WD-B04	10	12	30	19
1B-02-06WD	G1/8″X28	G3/8″X19		WD-B06	10	12	32.5	22
1B-02-08WD	G1/8″X28	G1/2″X14		WD-B08	10	14	37	27
1B—04WD	G1/4″X19	G1/4″X19		WD-B04	12	12	32	19
1B-04-02WD	G1/4″X19	G1/8″X28		WD-B02	12	8	27.5	19
1B-04-06WD	G1/4″X19	G3/8″X19		WD-B06	12	12	34.5	22
1B-04-08WD	G1/4″X19	G1/2″X14		WD-B08	12	14	39	27
1B—06WD	G3/8″X19	G3/8″X19		WD-B06	13.5	12	34	22
1B-06-04WD	G3/8″X19	G1/4″X19		WD-B04	13.5	12	33.5	22
1B-06-08WD	G3/8″X19	G1/2″X14		WD-B08	13.5	14	40.5	27
1B-06-12WD	G3/8″X19	G3/4″X14		WD-B12	13.5	16	43.5	32
1B—08WD	G1/2″X14	G1/2″X14		WD-B08	16	14	43	27
1B-08-06WD	G1/2″X14	G3/8″X19		WD-B06	16	12	40.5	27
1B-08-12WD	G1/2″X14	G3/4″X14		WD-B12	16	16	46	32
1B-08-16WD	G1/2″X14	G1″X11		WD-B16	16	18	50	41
1B-10-12WD	G5/8″X14	G3/4″X14		WD-B12	17.5	16	45.5	32
1B-10-16WD	G5/8″X14	G1″X11		WD-B16	17.5	18	51.5	41
1B—12WD	G3/4″X14	G3/4″X14		WD-B12	18.5	16	46.5	32
1B-12-08WD	G3/4″X14	G1/2″X14		WD-B08	18.5	14	44.5	32
1B-12-16WD	G3/4″X14	G1″X11		WD-B16	18.5	18	52.5	41
1B-12-20WD	G3/4″X14	G1.1/4″X11		WD-B20	18.5	20	56.5	50
1B-12-24WD	G3/4″X14	G1.1/2″X11		WD-B24	18.5	22	58.5	55
1B—16WD	G1″X11	G1″X11		WD-B16	20.5	18	54.5	41
1B-16-12WD	G1″X11	G3/4″X14		WD-B12	20.5	16	52.5	41
1B-16-20WD	G1″X11	G1.1/4″X11		WD-B20	20.5	20	58.5	50
1B-16-24WD	G1″X11	G1.1/2″X11		WD-B24	20.5	22	60.5	55
1B—20WD	G1.1/4″X11	G1.1/4″X11		WD-B20	20.5	20	58.5	50
1B-20-16WD	G1.1/4″X11	G1″X11		WD-B16	20.5	18	56.5	50
1B-20-24WD	G1.1/4″X11	G1.1/2″X11		WD-B24	20.5	22	60.5	55
1B—24WD	G1.1/2″X11	G1.1/2″X11		WD-B24	23	22	63	55
1B—32WD	G2″X11	G2″X11		WD-B32	25.5	22	66.5	75

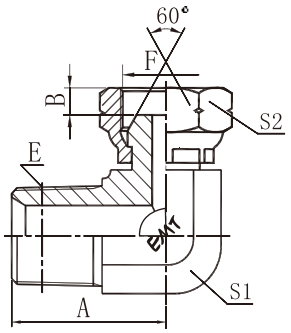


2NB

NPT MALE/BSP FEMALE 60° CONE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	L	S1	S2
2NB-02	Z1/8″X27	G1/8″X28			10.5	5.5	25.5	12	14
2NB-02-04	Z1/8″X27	G1/4″X19			10.5	5.5	27	14	19
2NB-04-02	Z1/4″X18	G1/8″X28			15	5.5	30	17	14
2NB-04	Z1/4″X18	G1/4″X19			15	5.5	31	17	19
2NB-04-06	Z1/4″X18	G3/8″X19			15	6.3	32.5	17	22
2NB-04-08	Z1/4″X18	G1/2″X14			15	7.5	35	19	27
2NB-06	Z3/8″X18	G3/8″X19			16	6.3	33.5	19	22
2NB-06-04	Z3/8″X18	G1/4″X19			16	5.5	33	19	19
2NB-06-08	Z3/8″X18	G1/2″X14			16	7.5	36	19	27
2NB-08	Z1/2″X14	G1/2″X14			19.5	7.5	41	22	27
2NB-08-04	Z1/2″X14	G1/4″X19			19.5	5.5	38.5	22	19
2NB-08-06	Z1/2″X14	G3/8″X19			19.5	6.3	39.5	22	24
2NB-08-12	Z1/2″X14	G3/4″X14			19.5	10.9	44.5	27	32
2NB-12	Z3/4″X14	G3/4″X14			19.5	10.9	44.5	30	32
2NB-12-06	Z3/4″X14	G3/8″X19			19.5	6.3	41.7	30	22
2NB-12-08	Z3/4″X14	G1/2″X14			19.5	7.5	43.5	30	27
2NB-12-16	Z3/4″X14	G1″X11			19.5	11.7	46.5	32	41
2NB-16-12	Z1″X11.5	G3/4″X14			21.5	10.9	51.5	36	32
2NB-16	Z1″X11.5	G1″X11			25.5	11.7	52.5	36	41
2NB-20	Z1.1/4″X11.5	G1.1/4″X11			26.5	11	59.5	46	50
2NB-24	Z1.1/2″X11.5	G1.1/2″X11			27.5	13	61.5	50	55
2NB-32	Z2″X11.5	G2″X11			27.5	16	66.5	65	70

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 2NB-02-SS means stainless steel adaptor. 2NB-02-EE means brass adaptor.

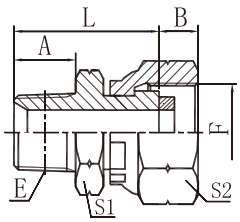


2NB9

90° NPT MALE/BSP FEMALE 60° CONE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1	S2	
2NB9-02	Z1/8″X27	G1/8″X28			21	5.5	11	14	
2NB9-02-04	Z1/8″X27	G1/4″X19			21	5.5	11	19	
2NB9-04	Z1/4″X18	G1/4″X19			25.5	5.5	14	19	
2NB9-04-02	Z1/4″X18	G1/8″X28			25.5	5.5	14	14	
2NB9-04-06	Z1/4″X18	G3/8″X19			25.5	6.3	14	22	
2NB9-06	Z3/8″X18	G3/8″X19			31	6.3	19	22	
2NB9-06-04	Z3/8″X18	G1/4″X19			31	5.5	19	19	
2NB9-06-08	Z3/8″X18	G1/2″X14			31	7.5	19	27	
2NB9-08	Z1/2″X14	G1/2″X14			37.3	7.5	22	27	
2NB9-08-04	Z1/2″X14	G1/4″X19			36.7	5.5	22	19	
2NB9-08-06	Z1/2″X14	G3/8″X19			36.7	6.3	22	22	
2NB9-08-12	Z1/2″X14	G3/4″X14			37.5	10.9	24	32	
2NB9-12	Z3/4″X14	G3/4″X14			43.5	10.9	27	32	
2NB9-12-08	Z3/4″X14	G1/2″X14			44	7.5	27	27	
2NB9-12-16	Z3/4″X14	G1″X11			45	11.7	30	41	
2NB9-16	Z1″X11.5	G1″X11			50	11.7	33	41	
2NB9-16-08	Z1″X11.5	G1/2″X14			50	7.5	33	27	
2NB9-16-12	Z1″X11.5	G3/4″X14			50	10.9	33	32	
2NB9-20	Z1.1/4″X11.5	G1.1/4″X11			60	11	41	50	
2NB9-24	Z1.1/2″X11.5	G1.1/2″X11			59	13	48	55	
2NB9-32	Z2″X11.5	G2″X11			73.5	16	63	70	

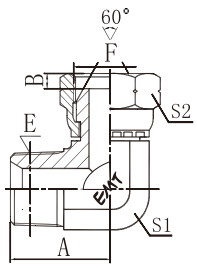
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 2NB9-02-SS means stainless steel adaptor. 2NB9-02-EE means brass adaptor.



2TB-G/SP

BSPT MALE/BSP PRESSURE GAUGE CONNECTOR

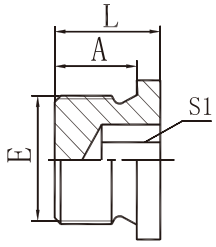
PART NO.	THREAD		COPPER WASHER		DIMENSIONS				
	E	F		F端	A	B	L	S1	S2
2TB-02-04G/SP	R1/8"X28	G1/4"X19		DP-B04G	10	14.5	24.5	12	19
2TB-04G/SP	R1/4"X19	G1/4"X19		DP-B04G	14.5	14.5	29	17	19
2TB-04-08G/SP	R1/4"X19	G1/2"X14		DP-B08G	14.5	20	31.5	19	27
2TB-06-04G/SP	R3/8"X19	G1/4"X19		DP-B04G	15	14.5	29.5	19	19
2TB-08-04G/SP	R1/2"X14	G1/4"X19		DP-B04G	20	14.5	36.5	22	19
2TB-08G/SP	R1/2"X14	G1/2"X14		DP-B08G	20	20	39	22	27



2TB9-SP

90° BSPT MALE/BSP FEMALE 60° CONE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1	S2	
2TB9-02SP	R1/8"X28	G1/8"X28			21	5.5	11	14	
2TB9-04SP	R1/4"X19	G1/4"X19			25.5	5.5	14	19	
2TB9-04-06SP	R1/4"X19	G3/8"X19			25.5	6.3	14	22	
2TB9-06-04SP	R3/8"X19	G1/4"X19			28.5	5.5	16	19	
2TB9-06SP	R3/8"X19	G3/8"X19			28.5	6.3	16	22	
2TB9-06-08SP	R3/8"X19	G1/2"X14			30.5	7.5	19	27	
2TB9-08-06SP	R1/2"X14	G3/8"X19			36	6.3	22	22	
2TB9-08SP	R1/2"X14	G1/2"X14			36	7.5	22	27	
2TB9-08-12SP	R1/2"X14	G3/4"X14			37.3	10.9	24	32	
2TB9-12-08SP	R3/4"X14	G1/2"X14			43.5	7.5	27	27	
2TB9-12SP	R3/4"X14	G3/4"X14			43.5	10.9	27	32	
2TB9-12-16SP	R3/4"X14	G1"X11			45.3	11.7	30	41	
2TB9-16-12SP	R1"X11	G3/4"X14			50	10.9	33	32	
2TB9-16SP	R1"X11	G1"X11			50	11.7	33	41	
2TB9-16-20SP	R1"X11	G1.1/4"X11			56.5	11	41	50	
2TB9-20-16SP	R1.1/4"X11	G1"X11			56.5	11.7	41	41	
2TB9-20SP	R1.1/4"X11	G1.1/4"X11			58	11	41	50	
2TB9-24SP	R1.1/2"X11	G1.1/2"X11			62.5	13	48	55	
2TB9-32SP	R2"X11	G2"X11			67	16	63	70	

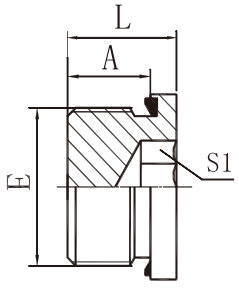


4BN

BSP MALE HOLLOW HEX PLUG

PART NO.	THREAD				DIMENSIONS				
	E				A	L	S1		
4BN-02	G1/8″X28				8	11	5		
4BN-04	G1/4″X19				12	15	6		
4BN-06	G3/8″X19				12	15	8		
4BN-08	G1/2″X14				14	18	10		
4BN-12	G3/4″X14				16	20	12		
4BN-16	G1″X11				16	21	17		

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 4BN-02-SS means stainless steel adaptor. 4BN-02-EE means brass adaptor.

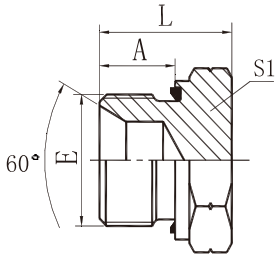


4BN-WD

BSP MALE CAPTIVE SEAL HOLLOW HEX PLUG

PART NO.	THREAD		CAPTIVE		DIMENSIONS				
	E		E端		A	L	S1		
4BN-02WD	G1/8″X28		WD-B02		8	12.2	5		
4BN-04WD	G1/4″X19		WD-B04		12	17.2	6		
4BN-06WD	G3/8″X19		WD-B06		12	17.2	8		
4BN-08WD	G1/2″X14		WD-B08		14	19.2	10		
4BN-12WD	G3/4″X14		WD-B12		16	21.2	12		
4BN-16WD	G1″X11		WD-B16		16	22.8	17		
4BN-20WD	G1.1/4″X11		WD-B20		16	22.8	22		
4BN-24WD	G1.1/2″X11		WD-B24		16	22.8	24		

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 4BN-02WD-SS means stainless steel adaptor.4BN-02WD-EE means brass adaptor.

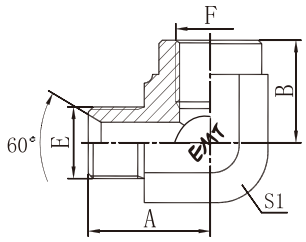


4B-WD

BSP MALE CAPTIVE SEAL PLUG

PART NO.	THREAD		CAPTIVE		DIMENSIONS				
	E		E		A	L	S1		
4B-02WD	G1/8″X28		WD-B02		8	15.5	14		
4B-04WD	G1/4″X19		WD-B04		12	20	19		
4B-06WD	G3/8″X19		WD-B06		12	22	22		
4B-08WD	G1/2″X14		WD-B08		14	26	27		
4B-12WD	G3/4″X14		WD-B12		16	29	32		
4B-16WD	G1″X11		WD-B16		18	35	41		
4B-20WD	G1.1/4″X11		WD-B20		20	37	50		
4B-24WD	G1.1/2″X11		WD-B24		22	39	55		
4B-32WD	G2″X11		WD-B32		20	40	75		

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 4B-02WD-SS means stainless steel adaptor. 4B-02WD-EE means brass adaptor.

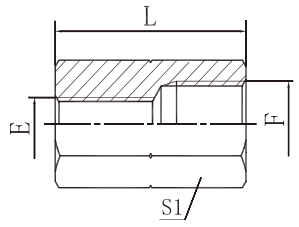


5B9

90° ELBOW BSP MALE 60° SEAL/BSP FEMALE ISO 1179

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
5B9-02	G1/8″X28	G1/8″X28			22.5	20	16		
5B9-04	G1/4″X19	G1/4″X19			25.5	22	19		
5B9-06	G3/8″X19	G3/8″X19			30.5	26	24		
5B9-08	G1/2″X14	G1/2″X14			39	31	30		
5B9-12	G3/4″X14	G3/4″X14			43.5	37	33		
5B9-16	G1″X11	G1″X11			50.5	43	41		
5B9-20	G1.1/4″X11	G1.1/4″X11			55	46	50		

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 5B9-02-SS means stainless steel adaptor. 5B9-02-EE means brass adaptor.

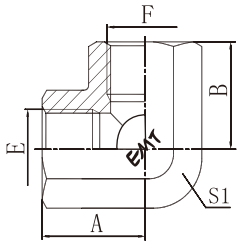


7B

BSP FEMALE

PART NO.	THREAD				DIMENSIONS				
	E	F			L	S1			
7B-02	G1/8″X28	G1/8″X28			22	14			
7B-02-04	G1/8″X28	G1/4″X19			24	19			
7B-02-06	G1/8″X28	G3/8″X19			26	22			
7B-04	G1/4″X19	G1/4″X19			24	19			
7B-04-06	G1/4″X19	G3/8″X19			29	22			
7B-04-08	G1/4″X19	G1/2″X14			31	27			
7B-06	G3/8″X19	G3/8″X19			26	22			
7B-06-08	G3/8″X19	G1/2″X14			33	27			
7B-06-12	G3/8″X19	G3/4″X14			34	32			
7B-08	G1/2″X14	G1/2″X14			32	27			
7B-08-10	G1/2″X14	G5/8″X14			36	30			
7B-08-12	G1/2″X14	G3/4″X14			36	32			
7B-10	G5/8″X14	G5/8″X14			36	30			
7B-12	G3/4″X14	G3/4″X14			36	32			
7B-12-16	G3/4″X14	G1″X11			43	41			
7B-16	G1″X11	G1″X11			40	41			
7B-16-20	G1″X11	G1. 1/4″X11			46	50			
7B-20	G1. 1/4″X11	G1. 1/4″X11			44	50			
7B-20-24	G1. 1/4″X11	G1. 1/2″X11			48	55			
7B-20-32	G1. 1/4″X11	G2″X11			56	70			
7B-24	G1. 1/2″X11	G1. 1/2″X11			45	55			
7B-24-32	G1. 1/2″X11	G2″X11			56	70			
7B-32	G2″X11	G2″X11			54	70			

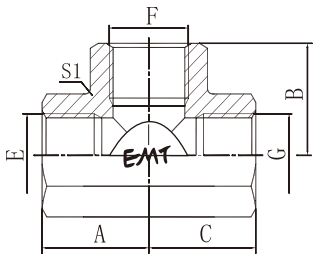
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 7B-02-SS means stainless steel adaptor. 7B-02-EE means brass adaptor.



7B9-PK

90° ELBOW BSP FEMALE ISO 1179

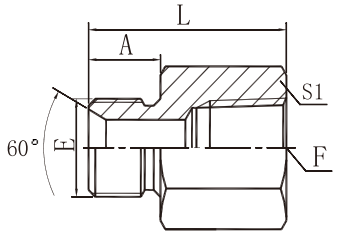
PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
7B9-02PK	G1/8″X28	G1/8″X28			20	20	16		
7B9-04PK	G1/4″X19	G1/4″X19			22.5	22.5	19		
7B9-06PK	G3/8″X19	G3/8″X19			26	26	24		
7B9-08PK	G1/2″X14	G1/2″X14			31	31	27		
7B9-12PK	G3/4″X14	G3/4″X14			34	34	33		
7B9-16PK	G1″X11	G1″X11			42	42	41		
7B9-20PK	G1.1/4″X11	G1.1/4″X11			48	48	50		
7B9-24PK	G1.1/2″X11	G1.1/2″X11			53	53	60		
7B9-32PK	G2″X11	G2″X11			62	62	70		



GB-PK

BSP FEMALE ISO 1179 TEE

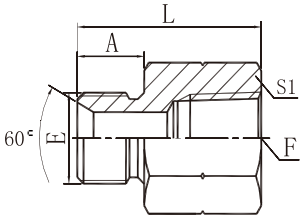
PART NO.	THREAD					DIMENSIONS				
	E	F	G			A	B	C	S1	
GB-02PK	G1/8″X28	G1/8″X28	G1/8″X28			20	20	20	16	
GB-04PK	G1/4″X19	G1/4″X19	G1/4″X19			22.5	22.5	22.5	19	
GB-06PK	G3/8″X19	G3/8″X19	G3/8″X19			26	26	26	24	
GB-08PK	G1/2″X14	G1/2″X14	G1/2″X14			31	31	31	27	
GB-12PK	G3/4″X14	G3/4″X14	G3/4″X14			34	34	34	33	
GB-16PK	G1″X11	G1″X11	G1″X11			42	42	42	41	
GB-20PK	G1.1/4″X11	G1.1/4″X11	G1.1/4″X11			48	48	48	50	
GB-24PK	G1.1/2″X11	G1.1/2″X11	G1.1/2″X11			53	53	53	60	
GB-32PK	G2″X11	G2″X11	G2″X11			62	62	62	70	



5BN

BSP MALE DOUBLE USE FOR 60° SEAL OR BONDED SEAL/
NPT FEMALE

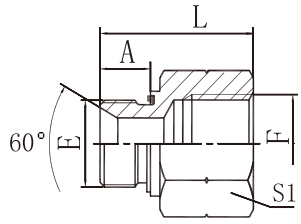
PART NO.	THREAD				DIMENSIONS				
	E	F			A	L	S1		
5BN-04	G1/4″X19	Z1/4″X18			12	31	19		
5BN-06	G3/8″X19	Z3/8″X18			13.5	33	22		
5BN-08	G1/2″X14	Z1/2″X14			16	44	30		
5BN-12	G3/4″X14	Z3/4″X14			18.5	45	36		
5BN-16	G1″X11	Z1″X11.5			20.5	54	41		
5BN-20	G1.1/4″X11	Z1.1/4″X11.5			20.5	58	50		
5BN-24	G1.1/2″X11	Z1.1/2″X11.5			23	58	60		
5BN-32	G2″X11	Z2″X11.5			25.5	62	70		



5BT

BSP MALE DOUBLE USE FOR 60° SEAL OR BONDED SEAL/
BSPT FEMALE

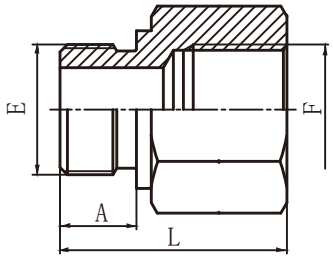
PART NO.	THREAD				DIMENSIONS				
	E	F			A	L	S1		
5BT-04-02	G1/4″X19	Rc1/8″X28			12	28	19		
5BT-04	G1/4″X19	Rc1/4″X19			12	33.5	19		
5BT-04-06	G1/4″X19	Rc3/8″X19			12	34	22		
5BT-04-08	G1/4″X19	Rc1/2″X14			12	41	27		
5BT-06	G3/8″X19	Rc3/8″X19			13.5	37.5	22		
5BT-06-04	G3/8″X19	Rc1/4″X19			13.5	35	22		
5BT-08	G1/2″X14	Rc1/2″X14			16	45	27		
5BT-08-06	G1/2″X14	Rc3/8″X19			16	39.5	27		
5BT-12	G3/4″X14	Rc3/4″X14			18.5	49	36		
5BT-12-08	G3/4″X14	Rc1/2″X14			18.5	47.5	32		
5BT-16	G1″X11	Rc1″X11			20.5	57	41		
5BT-20	G1.1/″X11	Rc1.1/4″X11			20.5	58.5	50		
5BT-24	G1.1/2″X11	Rc1.1/2″X11			23	61	55		



5B-WD

BSP MALE CAPTIVE SEAL/BSP FEMALE ISO 1179

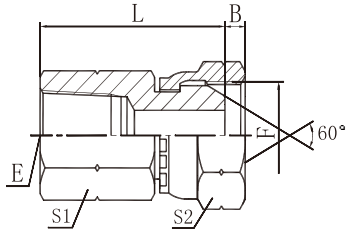
PART NO.	THREAD		CAPTIVE		DIMENSIONS				
	E	F	E		A	L	S1		
5B-02-04WD	G1/8″X28	G1/4″X19	WD-B02		8	30.5	19		
5B-02-06WD	G1/8″X28	G3/8″X19	WD-B02		8	33.5	22		
5B-04-02WD	G1/4″X19	G 1/8″X28	WD-B04		12	31.5	19		
5B-04-06WD	G1/4″X19	G3/8″X19	WD-B04		12	37	22		
5B-04-08WD	G1/4″X19	G1/2″X14	WD-B04		12	43	27		
5B-04-12WD	G1/4″X19	G3/4″X14	WD-B04		12	43.5	36		
5B-06-02WD	G3/8″X19	G1/8″X28	WD-B06		12	35.5	22		
5B-06-04WD	G3/8″X19	G1/4″X19	WD-B06		12	37.5	22		
5B-06-08WD	G3/8″X19	G1/2″X14	WD-B06		12	43.5	27		
5B-06-12WD	G3/8″X19	G3/4″X14	WD-B06		12	44	36		
5B-08-02WD	G1/2″X14	G1/8″X28	WD-B08		14	34.5	27		
5B-08-04WD	G1/2″X14	G1/4″X19	WD-B08		14	38	27		
5B-08-06WD	G1/2″X14	G3/8″X19	WD-B08		14	41	27		
5B-08-12WD	G1/2″X14	G3/4″X14	WD-B08		14	46	36		
5B-08-16WD	G1/2″X14	G1″X11	WD-B08		14	51	41		
5B-08-20WD	G1/2″X14	G1.1/4″X11	WD-B08		14	52	50		
5B-12-04WD	G3/4″X14	G1/4″X19	WD-B12		16	38	32		
5B-12-06WD	G3/4″X14	G3/8″X19	WD-B12		16	43	32		
5B-12-08WD	G3/4″X14	G1/2″X14	WD-B12		16	47.5	32		
5B-12-16WD	G3/4″X14	G1″X11	WD-B12		16	53.5	41		
5B-12-20WD	G3/4″X14	G1.1/4″X11	WD-B12		16	54.5	50		
5B-12-24WD	G3/4″X14	G1.1/2″X11	WD-B12		16	55.5	55		
5B-16-04WD	G1″X11	G1/4″X19	WD-B16		18	40	41		
5B-16-06WD	G1″X11	G3/8″X19	WD-B16		18	45	41		
5B-16-08WD	G1″X11	G1/2″X14	WD-B16		18	49.5	41		
5B-16-12WD	G1″X11	G3/4″X14	WD-B16		18	50.5	41		
5B-16-20WD	G1″X11	G1.1/4″X11	WD-B16		18	56.5	50		
5B-16-24WD	G1″X11	G1.1/2″X11	WD-B16		18	57.5	55		
5B-20-08WD	G1.1/4″X11	G1/2″X14	WD-B20		20	51.5	50		
5B-20-12WD	G1.1/4″X11	G3/4″X14	WD-B20		20	52.5	50		
5B-20-16WD	G1.1/4″X11	G1″X11	WD-B20		20	57.5	50		
5B-20-24WD	G1.1/4″X11	G1.1/2″X11	WD-B20		20	59.5	55		
5B-20-32WD	G1.1/4″X11	G2″X11	WD-B20		20	64	70		
5B-24-08WD	G1.1/2″X11	G1/2″X14	WD-B24		22	53.5	55		
5B-24-12WD	G1.1/2″X11	G3/4″X14	WD-B24		22	54	55		
5B-24-16WD	G1.1/2″X11	G1″X11	WD-B24		22	59.5	55		
5B-24-20WD	G1.1/2″X11	G1.1/4″X11	WD-B24		22	60	55		
5B-24-32WD	G1.1/2″X11	G2″X11	WD-B24		22	66	70		



5GB

BSP MALE O-RING/BSP FEMALE ISO 1179

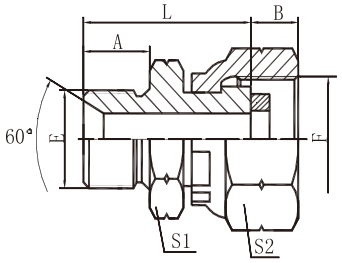
PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E端		A	L	S1		
5GB-04	G1/4″X19	G1/4″X19	0111		11	32	19		
5GB-04-06	G1/4″X19	G 3/8″X19	0111		11	35	22		
5GB-06	G 3/8″X19	G3/8″X19	0113		11.5	36	22		
5GB-06-08	G3/8″X19	G1/2″X14	0113		11.5	41	27		
5GB-08	G1/2″X14	G1/2″X14	0115		14	41	27		
5GB-08-12	G1/2″X14	G 3/4″X14	0115		14	46	36		
5GB-12	G3/4″X14	G3/4″X14	0119		15.5	46	36		
5GB-12-16	G3/4″X14	G1″X11	0119		15.5	50	41		
5GB-16-12	G1″X11	G3/4″X14	0217		18	47	41		
5GB-16	G1″X11	G1″X11	0217		18	52.5	41		



7TB-S

BSPT FEMALE/BSP FEMALE 60° CONE

PART NO.	THREAD				DIMENSIONS				
	E	F			B	L	S1	S2	
7TB-02-04S	Rc1/8″X28	G1/4″X19			5.5	26.5	17	19	
7TB-04S	Rc1/4″X19	G1/4″X19			5.5	31	19	19	
7TB-04-06S	Rc1/4″X19	G3/8″X19			6.3	31	19	22	
7TB-06S	Rc3/8″X19	G3/8″X19			6.3	35.2	22	22	
7TB-06-04S	Rc3/8″X19	G1/4″X19			5.5	34	22	19	
7TB-06-08S	Rc3/8″X19	G1/2″X14			7.5	37	22	27	
7TB-08-06S	Rc1/2″X14	G3/8″X19			6.3	40.2	27	22	
7TB-08S	Rc1/2″X14	G1/2″X14			7.5	42	27	27	
7TB-08-12S	Rc1/2″X14	G3/4″X14			10.9	43.1	27	32	
7TB-12S	Rc3/4″X14	G3/4″X14			10.9	45.1	36	32	
7TB-12-08S	Rc3/4″X14	G1/2″X14			7.5	44	36	27	
7TB-12-16S	Rc3/4″X14	G1″X11			11.7	46.3	36	41	
7TB-16-12S	Rc1″X11	G3/4″X14			10.9	50.1	41	32	
7TB-16S	Rc1″X11	G1″X11			11.7	51.3	41	41	

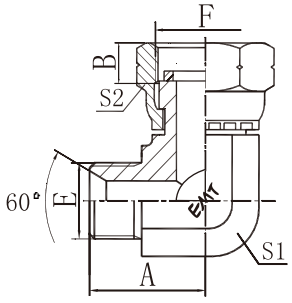


2B-G

BSP MALE 60° SEAL/BSP PRESSURE GAUGE CONNECTORS

PART NO.	THREAD		COPPER WASHER		DIMENSIONS				
	E	F		F	A	B	L	S1	S2
2B-02-04G	G1/8″X28	G1/4″X19		DP-B04G	11	14.5	25.5	14	19
2B-04G	G1/4″X19	G1/4″X19		DP-B04G	12	14.5	26.5	19	19
2B-04-08G	G1/4″X19	G1/2″X14		DP-B08G	12	20	29	19	27
2B-06-04G	G3/8″X19	G1/4″X19		DP-B04G	13.5	14.5	30	22	19
2B-08-04G	G1/2″X14	G1/4″X19		DP-B04G	16	14.5	34.5	27	19
2B-08G	G1/2″X14	G1/2″X14		DP-B08G	16	20	37	27	27

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 2B-02-040G-SS means stainless steel adaptor. 2B-02-040G-EE means brass adaptor.

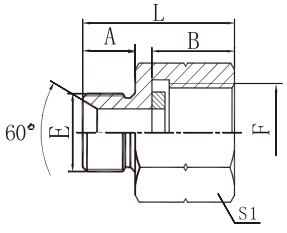


2B9-G

90° BSP MALE SEAL/BSP PRESSURE GAUGE CONNECTORS

PART NO.	THREAD		COPPER WASHER		DIMENSIONS				
	E	F		F	A	B	S1	S2	
2B9-04G	G1/4″X19	G1/4″X19		DP-B04G	24.5	14.5	14	19	
2B9-08G	G1/2″X14	G1/2″X14		DP-B08G	24.5	20	22	27	

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 2B9-04G-SS means stainless steel adaptor. 2B9-04G-EE means brass adaptor.



5B-G

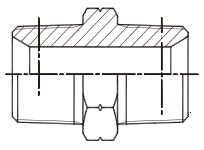
BSP MALE 60° SEAT/BSP PRESSURE GAUGE CONNECTORS

PART NO.	THREAD		COPPER WASHER		DIMENSIONS				
	E	F		F	A	B	L	S1	
5B-04G	G1/4″x19	G1/4″X19		DP-B04G	12	11	26	19	
5B-06-04G	G3/8″x19	G1/4″X19		DP-B04G	13.5	11	27.5	22	
5B-06-08G	G3/8″x19	G1/2″X14		DP-B08G	13.5	17	35.5	27	
5B-08G	G1/2″x14	G1/2″X14		DP-B08G	16	17	38	27	

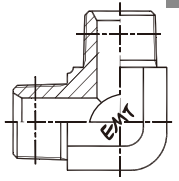
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 5B-04G-SS means stainless steel adaptor. 5B-04G-EE means brass adaptor.

BSPT THREAD FITTINGS INDEX

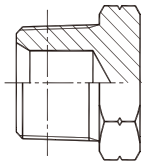
1T-SP P231



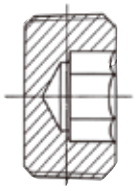
1T9-SP P232



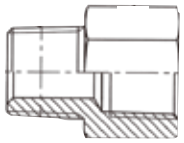
4T-SP P232



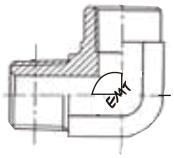
4TN P233



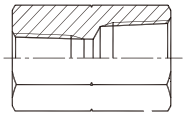
5T-SP P234



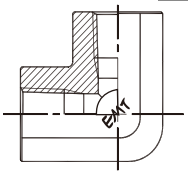
5T9-SP P235



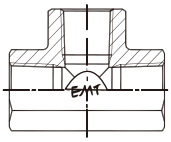
7T P235



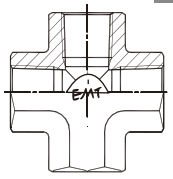
7T9-PK P236



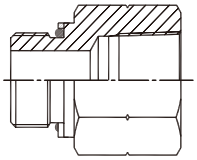
GT-PK P236

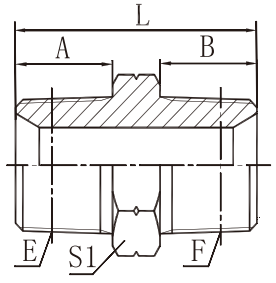


ZT P237



5GT P237



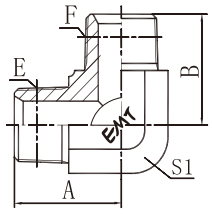


1T-SP

BSPT MALE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	L	S1	
1T-02SP	R1/8″X28	R1/8″X28			10	10	26	12	
1T-02-04SP	R1/8″X28	R1/4″X19			10	14.5	30.5	14	
1T-02-06SP	R1/8″X28	R3/8″X19			10	15	31	17	
1T-04SP	R1/4″X19	R1/4″X19			14.5	14.5	34	14	
1T-04-06SP	R1/4″X19	R3/8″X19			14.5	15	35	17	
1T-04-08SP	R1/4″X19	R1/2″X14			15	20	43	22	
1T-04-12SP	R1/4″X19	R3/4″X14			15	20	45	30	
1T-06SP	R3/8″X19	R3/8″X19			15	15	36	17	
1T-06-08SP	R3/8″X19	R1/2″X14			15	20	43	22	
1T-06-12SP	R3/8″X19	R3/4″X14			15	20	44.5	30	
1T-06-16SP	R3/8″X19	R1″X11			16	25.5	51.5	36	
1T-08SP	R1/2″X14	R1/2″X14			20	20	46	22	
1T-08-12SP	R1/2″X14	R3/4″X14			20	20	48	27	
1T-08-16SP	R1/2″X14	R1″X11			20	25.5	56.5	36	
1T-12SP	R3/4″X14	R3/4″X14			20	20	48	30	
1T-12-16SP	R3/4″X14	R1″X11			20	25.5	55.5	36	
1T-12-20SP	R3/4″X14	R1.1/4″X11			20	26.5	58.5	46	
1T-16SP	R1″X11	R1″X11			25.5	25.5	61	36	
1T-16-20SP	R1″X11	R1.1/4″X11			25.5	26.5	64.5	46	
1T-16-24SP	R1″X11	R1.1/2″X11			25.5	26.5	66	50	
1T-20SP	R1.1/4″X11	R1.1/4″X11			26.5	26.5	65.5	46	
1T-20-24SP	R1.1/4″X11	R1.1/2″X11			26.5	26.5	67	50	
1T-24SP	R1.1/2″X11	R1.1/2″X11			26.5	26.5	67	50	
1T-24-32SP	R1.1/2″X11	R2″X11			26.5	30	71.5	65	
1T-32SP	R2″X11	R2″X11			30	30	75	65	

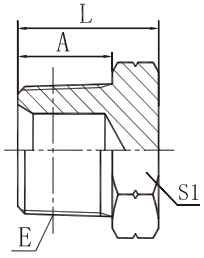
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 1T-02SP-SS means stainless steel adaptor. 1T-02SP-EE means brass adaptor.



1T9-SP

90° BSPT MALE

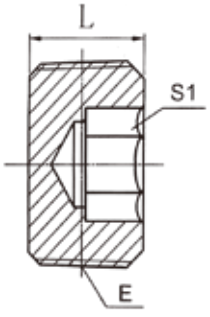
PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
1T9-02SP	R1/8″X28	R1/8″X28			21	21	11		
1T9-02-04SP	R1/8″X28	R1/4″X19			23.5	25.5	14		
1T9-02-06SP	R1/8″X28	R3/8″X19			24.5	28.5	16		
1T9-02-08SP	R1/8″X28	R1/2″X14			29.5	36	22		
1T9-04SP	R1/4″X19	R1/4″X19			25.5	25.5	14		
1T9-04-06SP	R1/4″X19	R3/8″X19			26.5	28.5	16		
1T9-04-08SP	R1/4″X19	R1/2″X14			30.5	36	22		
1T9-06SP	R3/8″X19	R3/8″X19			28.5	28.5	16		
1T9-06-08SP	R3/8″X19	R1/2″X14			32.5	36	22		
1T9-08SP	R1/2″X14	R1/2″X14			36	36	22		
1T9-08-12SP	R1/2″X14	R3/4″X14			39.5	43.5	27		
1T9-12SP	R3/4″X14	R3/4″X14			43.5	43.5	27		
1T9-12-16SP	R3/4″X14	R1″X11			48	50	33		
1T9-16SP	R1″X11	R1″X11			50	50	33		
1T9-16-20SP	R1″X11	R1.1/4″X11			56.5	57.5	41		
1T9-20SP	R1.1/4″X11	R1.1/4″X11			56.5	56.5	41		
1T9-24SP	R1.1/2″X11	R1.1/2″X11			62.5	62.5	48		
1T9-32SP	R2″X11	R2″X11			68	75	63		



4T-SP

BSPT MALE PLUG

PART NO.	THREAD				DIMENSIONS				
	E				A	L	S1		
4T-02SP	R1/8″X28				10	16	12		
4T-04SP	R1/4″X19				14.5	20	14		
4T-06SP	R3/8″X19				15	21	17		
4T-08SP	R1/2″X14				20	27	22		
4T-12SP	R3/4″X14				20	29	27		
4T-16SP	R1″X11				25.5	36.5	36		
4T-20SP	R1.1/4″X11				26.5	38.5	46		
4T-24SP	R1.1/2″X11				26.5	42	50		
4T-32SP	R2″X11				30	46	65		

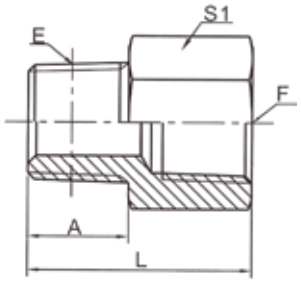


4TN

BSPT MALE HOLLOW HEX PLUG

PART NO.	THREAD				DIMENSIONS				
	E				L	S1			
4TN-02	R1/8" X28				8	5			
4TN-04	R1/4" X19				10	6			
4TN-06	R3/8" X19				12	8			
4TN-08	R1/2" X14				15	10			
4TN-12	R3/4" X14				18	12			
4TN-16	R1" X11				20	17			
4TN-20	R1.1/" X11				22	22			

Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS".And suffix "EE" for ordering brass adaptor. For example: 4TN-02-SS means stainless steel adaptor. 4TN-02-EE means brass adaptor.

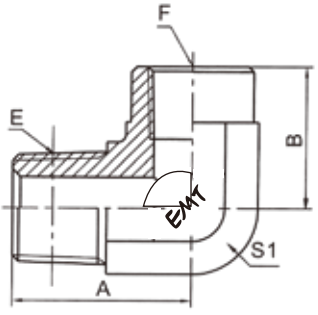


5T-SP

BSPT MALE/BSPT FEMALE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	L	S1		
5T-02-04SP	R1/8″X28	Rc1/4″X19			10	30	19		
5T-04-02SP	R1/4″X19	Rc1/8″X28			14	22	14		
5T-04SP	R1/4″X19	Rc1/4″X1			14	34	19		
5T-04-06SP	R1/4″X19	Rc3/8″X19			14	35	22		
5T-06-02SP	R3/8″X19	Rc1/8″X28			15	22	19		
5T-06-04SP	R3/8″X19	Rc1/4″X19			15	22	19		
5T-06SP	R3/8″X19	Rc3/8″X19			15	38	22		
5T-06-08SP	R3/8″X19	Rc1/2″X14			15	36	27		
5T-08-04SP	R1/2″X14	Rc1/4″X19			18	28	24		
5T-08-06SP	R1/2″X14	Rc3/8″X19			18	28	24		
5T-08SP	R1/2″X14	Rc1/2″X14			18	40	27		
5T-08-12SP	R1/2″X14	Rc3/4″X14			18	48	36		
5T-12-06SP	R3/4″X14	Rc3/8″X19			20	30	30		
5T-12-08SP	R3/4″X14	Rc1/2″X14			20	30	30		
5T-12SP	R3/4″X14	Rc3/4″X14			20	48	36		
5T-12-16SP	R3/4″X14	Rc1″X11			20	50	41		
5T-16-08SP	R1″X11	Rc1/2″X14			24	34	36		
5T-16-12SP	R1″X11	Rc3/4″X14			24	34	36		
5T-16SP	R1″X11	Rc1″X11			24	52	41		
5T-16-20SP	R1″X11	Rc1.1/4″X11			24	56	50		
5T-20-12SP	R1.1/4″X11	Rc3/4″X14			25	38	46		
5T-20-16SP	R1.1/4″X11	Rc1″X11			25	38	46		
5T-20SP	R1.1/4″X11	Rc1.1/4″X11			25	60	50		
5T-24-16SP	R1.1/2″X11	Rc1″X11			26.5	42	50		
5T-24-20SP	R1.1/2″X11	Rc1.1/4″X11			26.5	42	50		
5T-32-20SP	R2″X11	Rc1.1/4″X11			30	45	65		
5T-32-24SP	R2″X11	Rc1.1/2″X11			30	45	65		

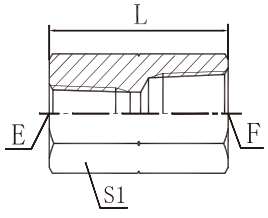
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix“SS”. And suffix “EE” for ordering brass adaptor. For example: 5T-SP-02-04-SS means stainless steel adaptor. 5T-SP-02-04-EE means brass adaptor.



5T9-SP

90° ELBOW BSPT MALE/BSPT FEMALE

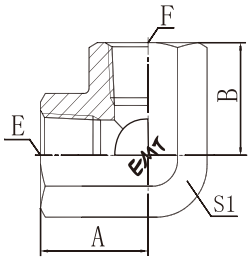
PART NO.	THREAD				DIMENSONS				
	E	F			A	B	S		
5T9-SP-02	R1/8″X28	Rc1/8″X28			24.5	23	14		
5T9-SP-04	R1/4″X19	Rc1/4″X19			28	25	17		
5T9-SP-06	R3/8″X19	Rc3/8″X19			33.5	25	22		
5T9-SP-08	R1/2″X14	Rc1/2″X14			40.5	31.5	27		
5T9-SP-12	R3/4″X14	Rc3/4″X14			47	37	33		
5T9-SP-16	R1″X11	Rc1″X11			53	43	38		
5T9-SP-20	R1.1/4″X11	Rc1.1/4″X11			61	50	47		
5T9-SP-24	R1.1/2″X11	Rc1.1/2″X11			70	55	56		



7T

BSPT FEMALE

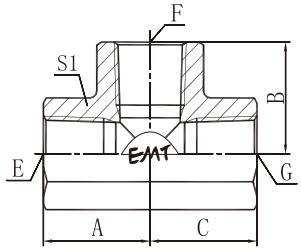
PART NO.	THREAD				DIMENSIONS				
	E	F			L	S1			
7T-02	Rc1/8" X28	Rc1/8" X28			20	14			
7T-02-04	Rc1/8" X28	Rc1/4" X19			30	19			
7T-04	Rc1/4" X19	Rc1/4" X19			30	19			
7T-04-06	Rc1/4" X19	Rc3/8" X19			30	22			
7T-04-08	Rc1/4" X19	Rc1/2" X14			40	27			
7T-06	Rc3/8" X19	Rc3/8" X19			30	22			
7T-06-08	Rc3/8" X19	Rc1/2" X14			40	27			
7T-06-12	Rc3/8" X19	Rc3/4" X14			37	36			
7T-08	Rc1/2" X14	Rc1/2" X14			40	27			
7T-08-12	Rc1/2" X14	Rc3/4" X14			42	36			
7T-12	Rc3/4" X14	Rc3/4" X14			42	36			
7T-12-16	Rc3/4" X14	Rc1" X11			50	41			
7T-16	Rc1" X11	Rc1" X11			50	41			
7T-16-20	Rc1" X11	Rc1.1/4" X11			52	50			
7T-20	Rc1.1/4" X11	Rc1.1/4" X11			55	50			
7T-24	Rc1.1/2" X11	Rc1.1/2" X11			55	55			
7T-32	Rc2" X11	Rc2" X11			65	70			



7T9-PK

90° BSPT FEMALE

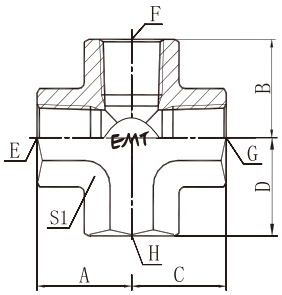
PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
7T9-02PK	Rc1/8″X28	Rc1/8″X28			20	20	16		
7T9-02-08PK	Rc1/8″X28	Rc1/2″X14			25	31	27		
7T9-04PK	Rc1/4″X19	Rc1/4″X19			22.5	22.5	19		
7T9-06PK	Rc3/8″X19	Rc3/8″X19			26	26	24		
7T9-08PK	Rc1/2″X14	Rc1/2″X14			31	31	27		
7T9-12PK	Rc3/4″X14	Rc3/4″X14			34	34	33		
7T9-16PK	Rc1″X11	Rc1″X11			42	42	41		
7T9-20PK	Rc1.1/4″X11	Rc1.1/4″X11			48	48	50		
7T9-24PK	Rc1.1/2″X11	Rc1.1/2″X11			53	53	60		
7T9-32PK	Rc2″X11	Rc2″X11			62	62	70		



GT-PK

BSPT FEMALE

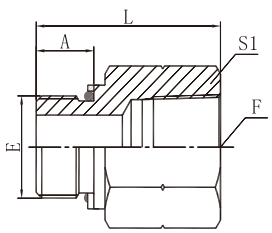
PART NO.	THREAD					DIMENSIONS				
	E	F	G			A	B	C	S1	
GT-02PK	Rc1/8″X28	Rc1/8″X28	Rc1/8″X28			20	20	20	16	
GT-04PK	Rc1/4″X19	Rc1/4″X19	Rc1/4″X19			22.5	22.5	22.5	19	
GT-06PK	Rc3/8″X19	Rc3/8″X19	Rc3/8″X19			26	26	26	24	
GT-08PK	Rc1/2″X14	Rc1/2″X14	Rc1/2″X14			31	31	31	27	
GT-12PK	Rc3/4″X14	Rc3/4″X14	Rc3/4″X14			34	34	34	33	
GT-16PK	Rc1″X11	Rc1″X11	Rc1″X11			42	42	42	41	
GT-20PK	Rc1.1/4″X11	Rc1.1/4″X11	Rc1.1/4″X11			48	48	48	50	
GT-24PK	Rc1.1/2″X11	Rc1.1/2″X11	Rc1.1/2″X11			53	53	53	60	
GT-32PK	Rc2″X11	Rc2″X11	Rc2″X11			62	62	62	70	



ZT

BSPT FEMALE

PART NO.	THREAD				DIMENSIONS				
	E, F, G,H				A,B,C,D	S1			
ZT-02	Rc1/8″X28				20	16			
ZT-04	Rc1/4″X19				22.5	19			
ZT-06	Rc3/8″X19				26	24			
ZT-08	Rc1/2″X14				31	27			
ZT-12	Rc3/4″X14				34	33			
ZT-16	Rc1″X11				42	41			
ZT-20	Rc1.1/4″X11				48	50			
ZT-24	Rc1.1/2″X11				53	60			
ZT-32	Rc2″X11				62	70			



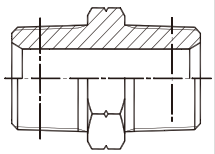
5GT

BSP MALE O-RING/BSPT FEMALE

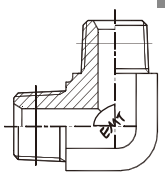
PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E		A	L	S1		
5GT-02	G1/8″X28	Rc1/8″X28	7.65X1.78		9.5	26	14		
5GT-04	G1/4″X19	Rc1/4″X19	10.77X2.62		10	32	19		
5GT-06	G3/8″X19	Rc3/8″X19	13.94X2.62		11.5	37	22		
5GT-08-06	G1/2″X14	Rc3/8″X19	17.12X2.62		14	38	27		
5GT-08	G1/2″X14	Rc1/2″X14	17.12X2.62		14	46	27		
5GT-12	G3/4″X14	Rc3/4″X14	23.47X2.62		15.5	48	36		
5GT-16	G1″X11	Rc1″X11	29.74X3.53		18	52	41		
5GT-20	G1.1/4″X11	Rc1.1/4″X11	37.69X3.53		20	57	50		
5GT-24	G1.1/2″X11	Rc1.1/2″X11	44.04X3.53		21.5	59	55		

NPT THREAD FITTINGS INDEX

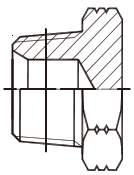
1N P239



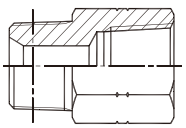
1N9 P240



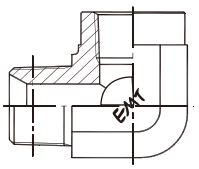
4N P240



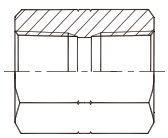
5N P241



5N9 P242

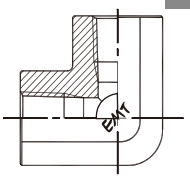


7N P243

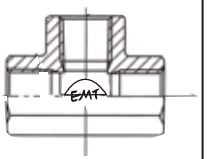


9N-CAP P243

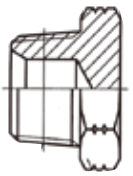
7N9-PK P244



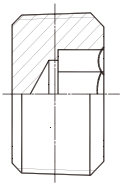
GN-PK P244

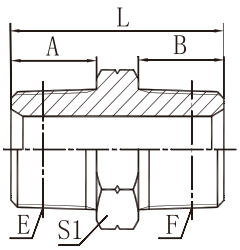


4N P245



4NN P245

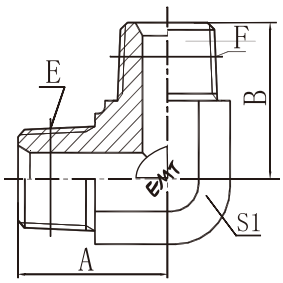




1N
NPT MALE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	L	S1	
1N-02	Z1/8"X27	Z1/8"X27			10.5	10.5	27	12	
1N-02-04	Z1/8"X27	Z1/4"X18			10.5	15	31	17	
1N-02-06	Z1/8"X27	Z3/8"X18			10.5	16	32	19	
1N-04	Z1/4"X18	Z1/4"X18			15	15	36	17	
1N-04-06	Z1/4"X18	Z3/8"X18			15	16	37	19	
1N-04-08	Z1/4"X18	Z1/2"X14			15	19.5	41.5	22	
1N-04-12	Z1/4"X18	Z3/4"X14			15	19.5	43.5	27	
1N-06	Z3/8"X18	Z3/8"X18			16	16	38	19	
1N-06-08	Z3/8"X18	Z1/2"X14			16	19.5	43.5	22	
1N-06-12	Z3/8"X18	Z3/4"X14			16	19.5	45.5	27	
1N-08	Z1/2"X14	Z1/2"X14			19.5	19.5	47	22	
1N-08-12	Z1/2"X14	Z3/4"X14			19.5	19.5	49	27	
1N-08-16	Z1/2"X14	Z1"X11.5			19.5	25.5	56	36	
1N-12	Z3/4"X14	Z3/4"X14			19.5	19.5	49	27	
1N-12-16	Z3/4"X14	Z1"X11.5			19.5	25.5	55	36	
1N-12-20	Z3/4"X14	Z1.1/4"X11.5			19.5	26.5	59	46	
1N-16	Z1"X11.5	Z1"X11.5			25.5	25.5	62	36	
1N-16-20	Z1"X11.5	Z1.1/4"X11.5			25.5	26.5	64	46	
1N-16-24	Z1"X11.5	Z1.1/2"X11.5			25.5	27.5	68	50	
1N-20	Z1.1/4"X11.5	Z1.1/4"X11.5			26.5	26.5	66	46	
1N-20-24	Z1.1/4"X11.5	Z1.1/2"X11.5			26.5	27.5	69	50	
1N-24	Z1.1/2"X11.5	Z1.1/2"X11.5			27.5	27.5	70	50	
1N-24-32	Z1.1/2"X11.5	Z2"X11.5			27.5	27.5	72	65	
1N-32	Z2"X11.5	Z2"X11.5			27.5	27.5	72	65	

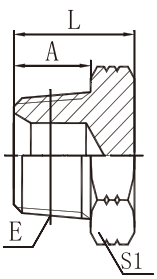
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS".And suffix "EE" for ordering brass adaptor. For example: 1N-02-SS means stainless steel adaptor. 1N-02-EE means brass adaptor.



1N9

90° ELBOW NPT MALE

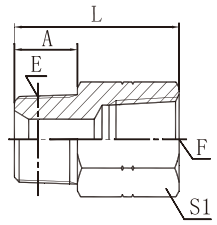
PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
1N9-02	Z1/8″X27	Z1/8″X27			21	21	11		
1N9-04	Z1/4″X18	Z1/4″X18			25.5	25.5	14		
1N9-04-06	Z1/4″X18	Z3/8″X18			28	31	19		
1N9-06	Z3/8″X18	Z3/8″X18			31	31	19		
1N9-06-08	Z3/8″X18	Z1/2″X14			33.8	37.3	22		
1N9-08	Z1/2″X14	Z1/2″X14			37.3	37.3	22		
1N9-08-12	Z1/2″X14	Z3/4″X14			40	44	27		
1N9-12	Z3/4″X14	Z3/4″X14			44	44	27		
1N9-16	Z1″X11.5	Z1″X11.5			50	50	33		
1N9-20	Z1.1/4″X11.5	Z1.1/4″X11.5			53	53	41		
1N9-24	Z1.1/2″X11.5	Z1.1/2″X11.5			63	63	48		
1N9-32	Z2″X11.5	Z2″X11.5			68	68	63		



4N

NPT MALE PLUG

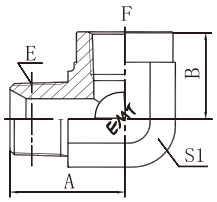
PART NO.	THREAD				DIMENSIONS				
	E				A	L	S1		
4N-02	Z1/8″X27				10.5	16	12		
4N-04	Z1/4″X18				15	20	17		
4N-06	Z3/8″X18				16	21	19		
4N-08	Z1/2″X14				19.5	27	22		
4N-12	Z3/4″X14				19.5	29.5	27		
4N-16	Z1″X11.5				25.5	36.5	36		
4N-20	Z1.1/4″X11.5				26.5	38.5	46		
4N-24	Z1.1/2″X11.5				27.5	43	50		
4N-32	Z2″X11.5				27.5	43.5	65		



5N

NPT MALE/NPT FEMALI

PART NO.	THREAD				DIMENSIONS				
	E	F			A	L	S1		
5N-02	Z1/8"X27	Z1/8"X27			10.5	25.5	17		
5N-02-04	Z1/8"X27	Z1/4"X18			10.5	31	19		
5N-02-08	Z1/8"X27	Z1/2"X14			11	39	30		
5N-04-02	Z1/4"X18	Z1/8"X27			15	22	17		
5N-04	Z1/4"X18	Z1/4"X18			15	35.3	19		
5N-04-06	Z1/4"X18	Z3/8"X18			15	36.6	24		
5N-04-08	Z1/4"X18	Z1/2"X14			15	43	30		
5N-04-12	Z1/4"X18	Z3/4"X14			15	45	36		
5N-06-02	Z3/8"X18	Z1/8"X27			16	22	19		
5N-06-04	Z3/8"X18	Z1/4"X18			16	22	19		
5N-06	Z3/8"X18	Z3/8"X18			16	37.6	24		
5N-06-08	Z3/8"X18	Z1/2"X14			16.7	43.7	30		
5N-08-02	Z1/2"X14	Z1/8"X27			19.5	28.5	24		
5N-08-04	Z1/2"X14	Z1/4"X18			19.5	28	24		
5N-08-06	Z1/2"X14	Z3/8"X18			19.5	28.5	24		
5N-08	Z1/2"X14	Z1/2"X14			19.5	47.5	30		
5N-08-12	Z1/2"X14	Z3/4"X14			19.5	49	36		
5N-12-04	Z3/4"X14	Z1/4"X18			19.5	30	27		
5N-12-06	Z3/4"X14	Z3/8"X18			19.5	30.5	27		
5N-12-08	Z3/4"X14	Z1/2"X14			19.5	30.5	27		
5N-12	Z3/4"X14	Z3/4"X14			19.5	49	36		
5N-12-16	Z3/4"X14	Z1"X11.5			19.5	55.5	41		
5N-16-04	Z1"X11.5	Z1/4"X18			25.5	35.5	36		
5N-16-06	Z1"X11.5	Z3/8"X18			25.5	35.5	36		
5N-16-08	Z1"X11.5	Z1/2"X14			25.5	35.5	36		
5N-16-12	Z1"X11.5	Z3/4"X14			25.5	36.5	36		
5N-16	Z1"X11.5	Z1"X11.5			25.5	60.7	41		
5N-16-20	Z1"X11.5	Z1.1/4"X11.5			25.5	62.5	50		
5N-20-08	Z1.1/4"X11.5	Z1/2" X14			26.5	38.5	46		
5N-20-12	Z1.1/4"X11.5	Z3/4"X14			26.5	38.5	46		
5N-20-16	Z1.1/4"X11.5	Z1"X11.5			26.5	41	46		
5N-20	Z1.1/4"X11.5	Z1.1/4"X11.5			26.5	62.5	50		
5N-20-24	Z1.1/4"X11.5	Z1.1/2"X11.5			26.5	62.5	60		
5N-24-08	Z1.1/2"X11.5	Z1/2" X14			27.5	41	50		
5N-24-12	Z1.1/2"X11.5	Z3/4" X14			27.5	41	50		
5N-24-16	Z1.1/2"X11.5	Z1"X11.5			27.5	41.5	50		
5N-24-20	Z1.1/2"X11.5	Z1.1/4"X11.5			27.5	41	50		
5N-24	Z1.1/2"X11.5	Z1.1/2"X11.5			27.5	62.5	65		
5N-32-16	Z2"X11.5	Z1"X11.5			27.5	45	65		
5N-32-20	Z2"X11.5	Z1.1/4"X11.5			27.5	45	65		
5N-32-24	Z2"X11.5	Z1.1/2"X11.5			27.5	45	65		
5N-32	Z2"X11.5	Z2"X11.5			27.5	63.5	70		

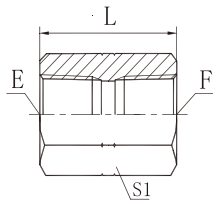


5N9

90° NPT MALE/NPT FEMALE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
5N9-02	Z1/8"X27	Z1/8"X27			24.5	17.8	16		
5N9-02-04	Z1/8"X27	Z1/4"X18			26	22.4	19		
5N9-04-02	Z1/4"X18	Z1/8"X27			26.5	16.8	16		
5N9-04	Z1/4"X18	Z1/4"X18			28	22.4	19		
5N9-04-06	Z1/4"X18	Z3/8"X18			31	25	24		
5N9-06-04	Z3/8"X18	Z1/4"X18			31	22.4	19		
5N9-06	Z3/8"X18	Z3/8"X18			33.5	25	24		
5N9-06-08	Z3/8"X18	Z1/2"X14			38	31.2	30		
5N9-08	Z1/2"X14	Z1/2"X14			41.2	31.2	30		
5N9-08-04	Z1/2"X14	Z1/4"X18			37.5	25.8	24		
5N9-08-06	Z1/2"X14	Z3/8"X18			37.5	25	24		
5N9-12-06	Z3/4"X14	Z3/8"X18			45	28.5	30		
5N9-12-08	Z3/4"X14	Z1/2"X14			45	31.2	30		
5N9-12	Z3/4"X14	Z3/4"X14			45.2	34.5	33		
5N9-16-08	Z1"X11.5	Z1/2"X14			50	33.4	33		
5N9-16-12	Z1"X11.5	Z3/4"X14			50	34.5	33		
5N9-16	Z1"X11.5	Z1"X11.5			54.5	41.1	41		
5N9-20-12	Z1.1/4"X11.5	Z3/4"X14			60	39.1	41		
5N9-20-16	Z1.1/4"X11.5	Z1"X11.5			60	41.1	41		
5N9-20	Z1.1/4"X11.5	Z1.1/4"X11.5			63	43.2	48		
5N9-20-24	Z1.1/4"X11.5	Z1.1/2"X11.5			71	52	63		
5N9-24-16	Z1.1/2"X11.5	Z1"X11.5			63	45.1	48		
5N9-24-20	Z1.1/2"X11.5	Z1.1/4"X11.5			63	43.2	48		
5N9-24	Z1.1/2"X11.5	Z1.1/2"X11.5			71.5	52.8	63		
5N9-32	Z2"X11.5	Z2"X11.5			73.5	62	65		

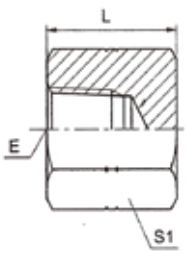
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS". And suffix "EE" for ordering brass adaptor. For example: 5N9-02-SS means stainless steel adaptor. 5N9-02-EE means brass adaptor.



7N

NPT FEMALE

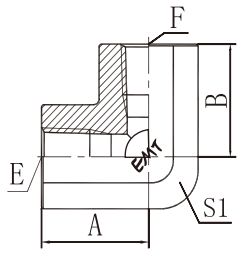
PART NO.	THREAD				DIMENSIONS				
	E	F			L	S1			
7N-02	Z1/8″X27	Z1/8″X27			24	17			
7N-02-04	Z1/8″X27	Z1/4″X18			27	19			
7N-02-06	Z1/8″X27	Z3/8″X18			30	22			
7N-04	Z1/4″X18	Z1/4″X18			29	19			
7N-04-06	Z1/4″X18	Z3/8″X18			31	22			
7N-04-08	Z1/4″X18	Z1/2″X14			35	30			
7N-04-12	Z1/4″X18	Z3/4″X14			39.5	36			
7N-06	Z3/8″X18	Z3/8″X18			29	22			
7N-06-08	Z3/8″X18	Z1/2″X14			38	30			
7N-06-12	Z3/8″X18	Z3/4″X14			40	36			
7N-08	Z1/2″X14	Z1/2″X14			38	30			
7N-08-12	Z1/2″X14	Z3/4″X14			43	36			
7N-12	Z3/4″X14	Z3/4″X14			39	36			
7N-12-16	Z3/4″X14	Z1″X11.5			45.5	41			
7N-16	Z1″X11.5	Z1″X11.5			48	41			
7N-20	Z1.1/4″X11.5	Z1.1/4″X11.5			49	50			
7N-24	Z1.1/2″X11.5	Z1.1/2″X11.5			49	60			
7N-32	Z2″X11.5	Z2″X11.5			50	70			



9N-CAP

NPT FEMALE PLUG

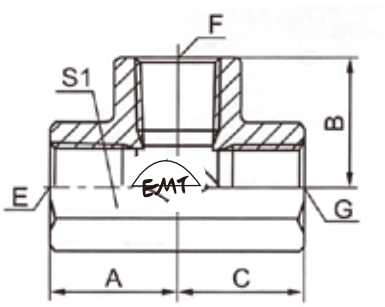
PART NO.	THREAD				DIMENSIONS				
	E				L	S1			
9N-02CAP	Z1/8″X27				17.5	17			
9N-04CAP	Z1/4″X18				23	19			
9N-06CAP	Z3/8″X18				24	24			
9N-08CAP	Z1/2″X14				28	30			
9N-12CAP	Z3/4″X14				28	36			
9N-16CAP	Z1″X11.5				34	46			
9N-20CAP	Z1.1/4″X11.5				37	55			
9N-24CAP	Z1.1/2″X11.5				37	65			
9N-32CAP	Z2″X11.5				40.5	75			



7N9-PK

90° ELBOW NPT FEMALE

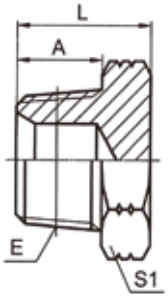
PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
7N9-02	Z1/8″X27	Z1/8″X27			20	20	16		
7N9-04	Z1/4″X18	Z1/4″X18			22.5	22.5	19		
7N9-04-06	Z1/4″X18	Z3/8″X18			25	26	24		
7N9-06PK	Z3/8″X18	Z3/8″X18			26	26	24		
7N9-08PK	Z1/2″X14	Z1/2″X14			31	31	27		
7N9-12PK	Z3/4″X14	Z3/4″X14			34	34	33		
7N9-16PK	Z1″X11.5	Z1″X11.5			42	42	41		
7N9-20PK	Z1.1/4″X11.5	Z1.1/4″X11.5			48	48	50		
7N9-24PK	Z1.1/2″X11.5	Z1.1/2″X11.5			53	53	60		
7N9-32PK	Z2″X11.5	Z2″X11.5			62	62	70		



GN-PK

NPT FEMALETEE

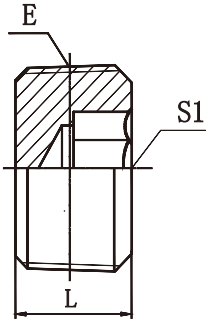
PART NO.	THREAD					DIMENSIONS				
	E	F	G			A	B	C	S1	
GN-02PK	Z1/8″X27	Z1/8″X27	Z1/8″X27			20	20	20	16	
GN-04PK	Z1/4″X18	Z1/4″X18	Z1/4″X18			22.5	22.5	22.5	19	
GN-06PK	Z3/8″X18	Z3/8″X18	Z3/8″X1 8			26	26	26	24	
GN-08PK	Z1/2″X14	Z1/2″X14	Z1/2″X14			31	31	31	27	
GN-12PK	Z3/4″X14	Z3/4″X14	Z3/4″X14			34	34	34	33	
GN-16PK	Z1″X11.5	Z1″X11.5	Z1″X11.5			42	42	42	41	
GN-20PK	Z1.1/4″X11.5	Z1.1/4″X11.5	Z1.1/4″X11.5			48	48	48	50	
GN-24PK	Z1.1/2″X11.5	Z1.1/2″X11.5	Z1.1/2″X11.5			53	53	53	60	
GN-32PK	Z2″X11.5	Z2″X11.5	Z2″X11.5			62	62	62	70	



4N

NPT MALE PLUG

PART NO.	THREAD				DIMENSIONS				
	E				A	L	S1		
4N-02	Z1/8" X27				10.5	16	12		
4N-04	Z1/4" X18				15	20	17		
4N-06	Z3/8" X18				16	21	19		
4N-08	Z1/2"X14				19.5	27	22		
4N-12	Z3/4" X14				19.5	29.5	27		
4N-16	Z1" X11.5				25.5	36.5	36		
4N-20	Z1.1/4" X11.5				26.5	38.5	46		
4N-24	Z1.1/2" X11.5				27.5	43	50		
4N-32	Z2" X11.5				27.5	43.5	65		



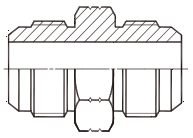
4NN

NPT MALE HOLLOW HEX PLUG

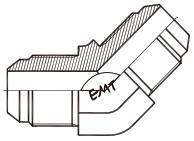
PART NO.	THREAD				DIMENSIONS				
	E				L	S1			
4NN-02	Z1/8"X27				8	5			
4NN-04	Z1/4"X18				10	6			
4NN-06	Z3/8"X18				12	8			
4NN-08	Z1/2"X14				15	10			
4NN-12	Z3/4"X14				16	12			
4NN-16	Z1"X11.5				18	17			

JIC 74° CONE FLARED TUBE FITTINGS INDEX

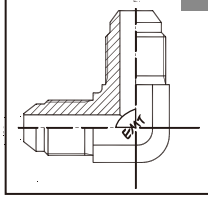
1J P247



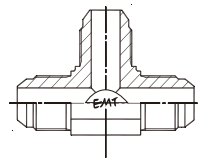
1J4 P248



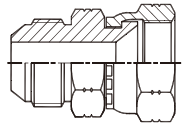
1J9 P249



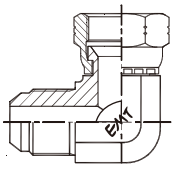
AJ P250



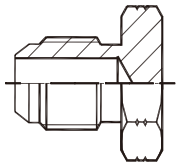
2J P251



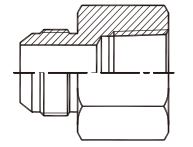
2J9 P252



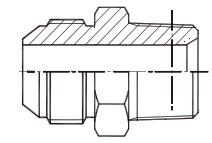
4J P253



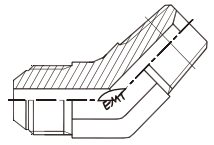
5JT P254



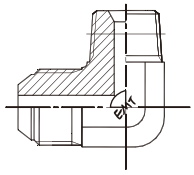
1JT-SP P255



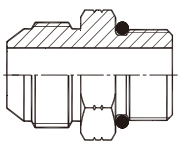
1JT4-SP P256



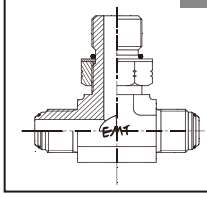
1JT9-SP P257



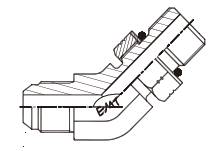
1JO P258



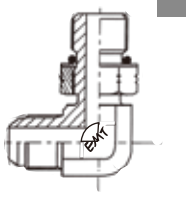
AJOJ-OG P259



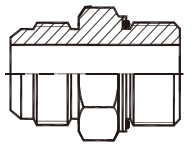
1JO4-OG P260



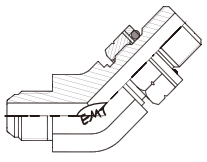
1JO9-OG P261



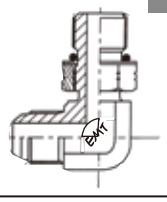
1JG P262



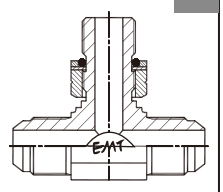
1JG4-OG P263



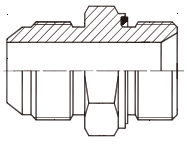
1JG9-OG P264



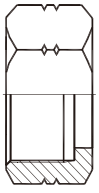
AJGJ-OG P265



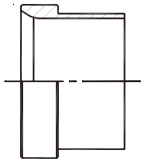
1JB-WD P266



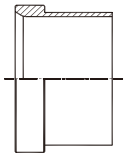
NB200 P267

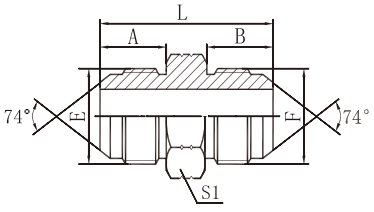


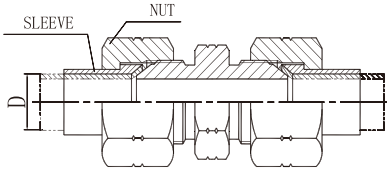
NB300 P268



NB500 P268





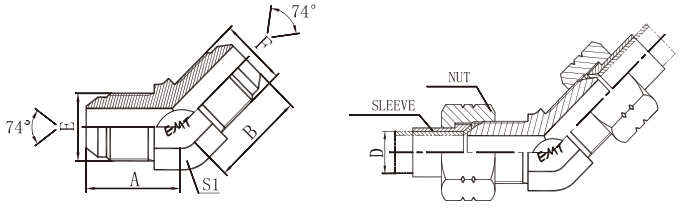


JIC MALE 74° CONE

1J

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	L	S1	
1J-04	7/16″X20	7/16″X20			14	14	34	12	
1J-04-05	7/16″X20	1/2″X20			14	14	34	14	
1J-04-06	7/16″X20	9/16″X18			14	14.1	34.1	17	
1J-04-08	7/16″X20	3/4″X16			14	16.7	38.5	22	
1J-05	1/2″X20	1/2″X20			14	14	34	14	
1J-05-06	1/2″X20	9/16″X18			14	14.1	34	17	
1J-05-08	1/2″X20	3/4″X16			14	16.7	38.5	22	
1J-05-10	1/2″X20	7/8″X14			14	19.3	41	24	
1J-06	9/16″X18	9/16″X18			14.4	14.1	34.2	17	
1J-06-08	9/16″X18	3/4″X16			14.1	16.7	38.5	22	
1J-06-10	9/16″X18	7/8″X14			14.1	19.3	41.5	24	
1J-06-12	9/16″X18	1.1/16″X12			14.1	21.9	46	30	
1J-08-06	3/4″X16	9/16″X18			16.7	14.1	38.8	22	
1J-08	3/4″X16	3/4″X16			16.7	16.7	42	22	
1J-08-10	3/4″X16	7/8″X14			16.7	19.3	44	24	
1J-08-12	3/4″X16	1.1/16″X12			16.7	21.9	48.5	30	
1J-08-16	3/4″X16	1.5/16″X12			16.7	23.1	51	36	
1J-10	7/8″X14	7/8″X14			19.3	19.3	46.5	24	
1J-10-12	7/8″X14	1.1/16″X12			19.3	21.9	51	30	
1J-10-16	7/8″X14	1.5/16″X12			19.3	23.1	53.5	36	
1J-12	1.1/16″X12	1.1/16″X12			21.9	21.9	54	30	
1J-12-14	1.1/16″X12	1.3/16″X12			21.9	22.6	55.5	32	
1J-12-16	1.1/16″X12	1.5/16″X12			21.9	23.1	56	36	
1J-14	1.3/16″X12	1.3/16″X12			22.6	22.6	56	32	
1J-14-16	1.3/16″X12	1.5/16″X12			22.6	23.1	56.5	36	
1J-16	1.5/16″X12	1.5/16″X12			23.1	23.1	57	36	
1J-16-20	1.5/16″X12	1.5/8″X12			23.1	24.3	60.5	46	
1J-20	1.5/8″X12	1.5/8″X12			24.3	24.3	62	46	
1J-20-24	1.5/8″X12	1.7/8″X12			24.3	27.5	67	50	
1J-24	1.7/8″X12	1.7/8″X12			27.5	27.5	70	50	
1J-32	2.1/2″X12	2.1/2″X12			33.9	33.9	85	65	

Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.

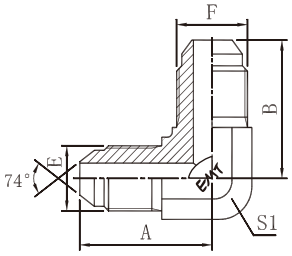


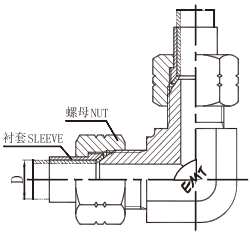
1J4

45° JIC MALE 74° CONE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
1J4-04	7/16″X20	7/16″X20			21.5	21.5	11		
1J4-05	1/2″X20	1/2″X20			23	23	14		
1J4-06	9/16″X18	9/16″X18			22.8	22.8	14		
1J4-08	3/4″X16	3/4″X16			26.8	26.8	19		
1J4-10	7/8″X14	7/8″X14			31	31	22		
1J4-12	1.1/16″X12	1.1/16″X12			35.5	35.5	27		
1J4-16	1.5/16″X12	1.5/16″X12			38.5	38.5	33		

Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.





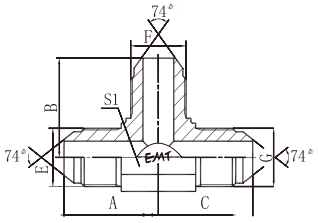
90° JIC MALE 74° CONE

1J9

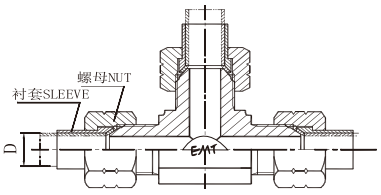
PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
1J9-04	7/16″X20	7/16″X20			24.5	24.5	11		
1J9-05	1/2″X20	1/2″X20			26.6	26.6	14		
1J9-05-06	1/2″X20	9/16″X18			26.6	26.9	14		
1J9-06	9/16″X18	9/16″X18			26.9	26.9	14		
1J9-06-08	9/16″X18	3/4″X16			30	32	19		
1J9-06-10	9/16″X18	7/8″X14			32	37.8	22		
1J9-08	3/4″X16	3/4″X16			32	32	19		
1J9-08-10	3/4″X16	7/8″X14			34.8	37.8	22		
1J9-10	7/8″X14	7/8″X14			37.8	37.8	22		
1J9-10-12	7/8″X14	1.1/16″X12			41	44.2	27		
1J9-12	1.1/16″X12	1.1/16″X12			44.2	44.2	27		
1J9-14	1.3/16″X12	1.3/16″X12			47.5	47.5	30		
1J9-16	1.5/16″X12	1.5/16″X12			49	49	33		
1J9-20	1.5/8″X12	1.5/8″X12			55.5	55.5	41		
1J9-24	1.7/8″X12	1.7/8″X12			62.5	62.5	48		
1J9-32	2.1/2″X12	2.1/2″X12			78	78	63		

1 Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.

2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 1J9-04-SS means stainless steel adaptor. 1J9-04-EE means brass adaptor.



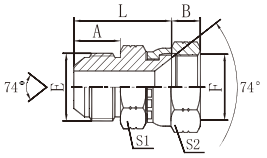
AJ

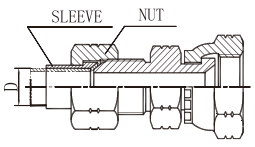


JIC MALE 74° CONE

代 号 PART NO.	螺 纹 THREAD					尺 寸 DIMENSIONS				
	E	F	G			A	B	C	S1	
AJ-04	7/16″X20	7/16″X20	7/16″X20			24.5	24.5	24.5	11	
AJ-04-06-04	7/16″X20	9/16″X18	7/16″X20			26.6	26.9	26.6	14	
AJ-05	1/2″X20	1/2″X20	1/2″X20			26	26	26	14	
AJ-06-04-06	9/16″X18	7/16″X20	9/16″X18			26.9	26.6	26.9	14	
AJ-06	9/16″X18	9/16″X18	9/16″X18			26.9	26.9	26.9	14	
AJ-08	3/4″X16	3/4″X16	3/4″X16			32	32	32	19	
AJ-08-06-08	3/4″X16	9/16″X18	3/4″X16			32	30	32	19	
AJ-10	7/8″X14	7/8″X14	7/8″X14			37.8	37.8	37.8	22	
AJ-10-12-10	7/8″X14	1.1/16″X12	7/8″X14			41	44.2	41	27	
AJ-12	1.1/16″X12	1.1/16″X12	1.1/16″X12			44.2	44.2	44.2	27	
AJ-12-08-12	1.1/16″X12	3/4″X16	1.1/16″X12			44.2	37.9	44.2	27	
AJ-16	1.5/16″X12	1.5/16″X12	1.5/16″X12			49	49	49	33	
AJ-20	1.5/8″X12	1.5/8″X12	1.5/8″X12			56.5	56.5	56.5	41	
AJ-24	1.7/8″X12	1.7/8″X12	1.7/8″X12			63	63	63	48	

1 Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .And suffix “EE” for ordering brass adaptor. For example:AJ-04-SS means stainless steel adaptor. AJ-04-EE means brass adaptor.



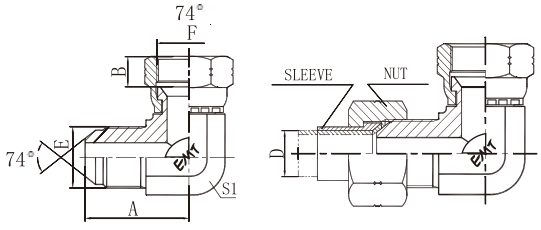


2J

JIC MALE 74° CONE/JIC FEMALE 74° SEAL

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	L	S1	S2
2J-04	7/16″X20	7/16″X20			14	9	28	12	15
2J-04-05	7/16″X20	1/2 ″X20			14	9.5	28.5	12	17
2J-04-06	7/16″X20	9/16″X18			14	10.5	28.5	14	19
2J-04-08	7/16″X20	3/4″X16			14	11	30.5	19	24
2J-05	1/2″X20	1/2″X20			14	9.5	29	14	17
2J-05-06	1/2″X20	9/16″X18			14	10.5	28.5	14	19
2J-05-08	1/2″X20	3/4″X16			14	11	30.5	19	24
2J-05-10	1/2″X20	7/8″X14			14	13	33	22	27
2J-06	9/16″X18	9/16″X18			14.1	10.5	29	17	19
2J-06-08	9/16″X18	3/4'X16			14.1	11	31	19	24
2J-06-10	9/16″X18	7/8″X14			14.1	13	33.5	22	27
2J-06-12	9/16″X18	1.1/16″X12			14.1	15	36.5	27	32
2J-08	3/4″X16	3/4″X16			16.7	11	36	22	24
2J-08-06	3/4″X16	9/16″X18			16.7	10.5	34	22	19
2J-08-10	3/4″X16	7/8″X14			16.7	13	36.5	22	27
2J-08-12	3/4″X16	1.1/16″X12			16.7	15	39.5	27	32
2J-10	7/8″X14	7/8″X14			19.3	13	39	24	27
2J-10-06	7/8″X14	9/16″X18			19.3	10.5	36	24	19
2J-10-08	7/8″X14	3/4″X16			19.3	11	38	24	24
2J-10-12	7/8″X14	1.1/16″X12			19.3	15	42	27	32
2J-12	1.1/16″X12	1.1/16″X12			21.9	15	44.5	30	32
2J-12-08	1.1/16″X12	3/4″X16			21.9	11	42.5	30	24
2J-12-10	1.1/16″X12	7/8″X14			21.9	13	43.5	30	27
2J-12-16	1.1/16″X12	1.5/16″X12			21.9	16	45.5	36	41
2J-12-20	1.1/16″X12	1.5/8″X12			21.9	17	49	41	50
2J-16	1.5/16″X12	1.5/16″X12			23.1	16	46.5	36	41
2J-16-20	1.5/16″X12	1.5/8″X12			23.1	17	50	41	50
2J-20	1.5/8″X12	1.5/8″X12			24.3	17	51.5	46	50
2J-20-24	1.5/8″X12	1.7/8″X12			24.3	20	52	46	55
2J-24	1.7/8″X12	1.7/8″X12			27.5	20	57	50	55
2J-24-32	1.7/8″X12	2.1/2″X12			27.5	24.5	59.5	65	75
2J-32	2.1/2″X12	2.1/2″X12			33.9	24.5	66	65	75

Nut and sleeve should be ordered separately.The nut NB200 and sleeve NB500 is suitable for metric tube,the nut NB200 and sleeve NB300 is suitable for inch tube.

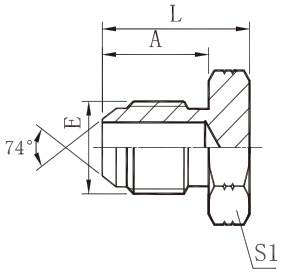


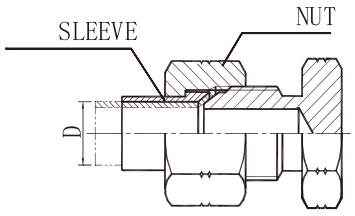
2J9

90° JIC MALE 74° CONE/JIC FEMALE 74° SEAL

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1	S2	
2J9-04	7/16″X20	7/16″X20			24.5	9	11	15	
2J9-05	1/2″X20	1/2″X20			26.5	9.5	14	17	
2J9-06	9/16″X18	9/16″X18			26.9	10.5	14	19	
2J9-06-08	9/16″X18	3/4″X16			31.3	11	16	24	
2J9-08	3/4″X16	3/4″X16			33	11	19	24	
2J9-10	7/8″X14	7/8″X14			37.8	13	22	27	
2J9-10-08	7/8″X14	3/4″X16			37.8	11	22	24	
2J9-10-12	7/8″X14	1.1/16″X12			39.5	15	24	32	
2J9-12	1.1/16″X12	1.1/16″X12			44.2	15	27	32	
2J9-12-10	1.1/16″X12	7/8″X14			44.2	13	27	27	
2J9-14	1.3/16″X12	1.3/16″X12			47.5	15	30	36	
2J9-16	1.5/16″X12	1.5/16″X12			48.8	16	33	41	
2J9-20	1.5/8″X12	1.5/8″X12			55.5	17	41	50	
2J9-24	1.7/8″X12	1.7/8″X12			62.5	20	48	55	
2J9-32	2.1/2″X12	2.1/2″X12			75.4	24.5	63	75	

1 Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example:2J9-04-SS means stainless steel adaptor. 2J9-04-EE means brass adaptor.



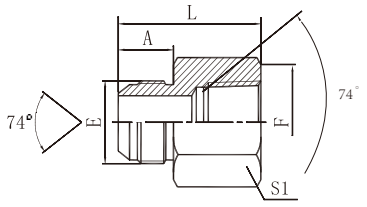


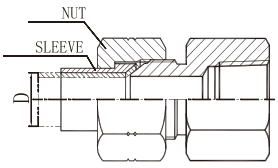
JIC MALE 74° CONE PLUG

4J

PART NO.	THREAD				DIMENSIONS				
	E				A	L	S1		
4J-04	7/16″X20				14	20	12		
4J-05	1/2″X20				14	20	14		
4J-06	9/16″X18				14.1	20	17		
4J-08	3/4″X16				16.7	25	22		
4J-10	7/8″X14				19.3	27.5	24		
4J-12	1.1/16″X12				21.9	32	30		
4J-14	1.3/16″X12				22.6	33.5	32		
4J-16	1.5/16″X12				23.1	34	36		
4J-20	1.5/8″X12				24.3	38	46		
4J-24	1.7/8″X12				27.5	44.5	50		
4J-32	2.1/2″X12				33.9	51	65		

1 Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 4J-04-SS means stainless steel adaptor. 4J-04-EE means brass adaptor.





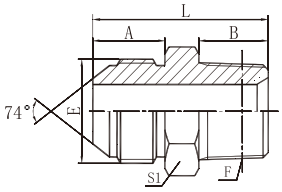
JIC MALE 74° CONE/BSPT FEMALE

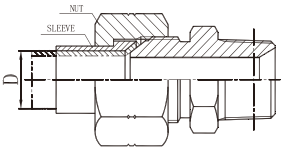
5JT

PART NO.	THREAD				DIMENSIONS				
	E	F			A	L	S1		
5JT-04	7/16″X20	Rc1/4″X19			14	35.5	19		
5JT-04-02	7/16″X20	Rc1/8″X28			14	30	14		
5JT-05-04	1/2″X20	Rc1/4″X19			14	35.5	19		
5JT-06	9/16″X18	RC3/8″X19			14	36.5	22		
5JT-06-04	9/16″X18	Rc1/4″X19			14	35.5	19		
5JT-06-08	9/16″X18	Rc1/2″X14			14	42.5	27		
5JT-08	3/4″X16	Rc1/2″X14			16.7	45.5	27		
5JT-08-06	3/4″X16	RC3/8″X19			16.7	39.5	22		
5JT-10-06	7/8″X14	Rc3/8″X19			19.3	42	24		
5JT-10-08	7/8″X14	Rc1/2″X14			19.3	48	27		
5JT-12	1.1/16″X12	Rc3/4″X14			22	52.5	36		
5JT-12-08	1.1/16″X12	Rc1/2″X14			22	50.5	30		
5JT-16	1.5/16″X12	Rc1″X11			23	59.5	41		
5JT-16-12	1.5/16″X12	Rc3/4″X14			23.1	53.5	36		

1 Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.

2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" .And suffix "EE" for ordering brass adaptor. For example: 5JT-04-SS means stainless steel adaptor.5JT-04-EE means brass adaptor.



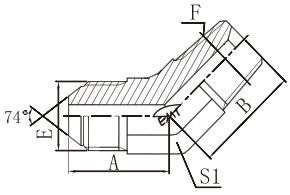


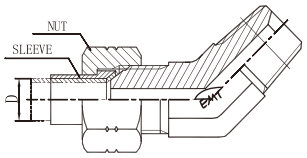
1JT-SP

JIC MALE 74° CONE/BSPT MALE

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	L	S1	
1JT-04SP	7/16"X20	R1/4"X19			14	14.5	34.5	14	
1JT-04-02SP	7/16"X20	R1/8"X28			14	10	30	12	
1JT-04-06SP	7/16"X20	R3/8"X19			14	15	35	17	
1JT-04-08SP	7/16"X20	R1/2"X14			14	20	41	24	
1JT-05-02SP	1/2"X20	R1/8"X28			14	10.5	30.5	14	
1JT-05-04SP	1/2"X20	R1/4"X19			14	14.5	34	14	
1JT-05-06SP	1/2"X20	R3/8"X19			14	15	35	19	
1JT-06SP	9/16"X18	R3/8"X19			14.1	15	34	17	
1JT-06-02SP	9/16"X18	R1/8"X28			14.1	10.5	30.5	17	
1JT-06-04SP	9/16"X18	R1/4"X19			14.1	14.5	34	17	
1JT-06-08SP	9/16"X18	R1/2"X14			14.1	20	41	22	
1JT-06-12SP	9/16"X18	R3/4"X14			14.1	20	43.5	30	
1JT-08SP	3/4"X16	R1/2"X14			16.7	20	44.5	22	
1JT-08-04SP	3/4"X16	R1/4"X19			16.7	14.5	39	22	
1JT-08-06SP	3/4"X16	R3/8"X19			16.7	15	39	22	
1JT-08-12SP	3/4"X16	R3/4"X14			16.7	20	46	30	
1JT-08-16SP	3/4"X16	R1"X11			16.7	25.5	52	36	
1JT-10-06SP	7/8"X14	R3/8"X19			19.3	15	42.5	24	
1JT-10-08SP	7/8"X14	R1/2"X14			19.3	20	46.5	24	
1JT-10-12SP	7/8"X14	R3/4"X14			19.3	20	48.5	30	
1JT-10-16SP	7/8"X14	R1"X11			19.3	25.5	54.5	36	
1JT-12SP	1.1/16"X12	R3/4"X14			21.9	20	51	30	
1JT-12-06SP	1.1/16"X12	R3/8"X19			21.9	15.5	47	30	
1JT-12-08SP	1.1/16"X12	R1/2"X14			21.9	20	51	30	
1JT-12-16SP	1.1/16"X12	R1"X11			21.9	25.5	57.5	36	
1JT-12-20SP	1.1/16"X12	R1.1/4"X11			21.9	26.5	61.5	46	
1JT-14-12SP	1.3/16"X12	R3/4"X14			22.6	20	52.5	32	
1JT-14-16SP	1.3/16"X12	R1"X11			22.6	25.5	58.5	36	
1JT-16SP	1.5/16"X12	R1"X11			23.1	25.5	59	36	
1JT-16-08SP	1.5/16"X12	R1/2"X14			23.1	20	53	36	
1JT-16-12SP	1.5/16"X12	R3/4"X14			23.1	20	53	36	
1JT-16-20SP	1.5/16"X12	R1.1/4"X11			23.1	26.5	61.5	46	
1JT-16-24SP	1.5/16"X12	R1.1/2"X11			23.1	26.5	64.5	50	
1JT-20SP	1.5/8"X12	R1.1/4"X11			24.3	26.5	63	46	
1JT-20-12SP	1.5/8"X12	R3/4"X14			24.3	20	57	46	
1JT-20-16SP	1.5/8"X12	R1"X11			24.3	25.5	62.5	46	
1JT-20-24SP	1.5/8"X12	R1.1/2"X11			24.3	26.5	66.5	50	
1JT-24SP	1.7/8"X12	R1.1/2"X11			27.5	26.5	69.5	50	
1JT-24-16SP	1.7/8"X12	R1"X11			27.5	25.5	67.5	50	
1JT-24-20SP	1.7/8"X12	R1.1/4"X11			27.5	26.5	67.5	50	
1JT-24-32SP	1.7/8"X12	R2"X11			27.5	30	74.5	65	
1JT-32SP	2.1/2"X12	R2"X11			33.9	30	80	65	
1JT-32-24SP	2.1/2"X12	R1.1/2"X11			33.9	26.5	77.5	65	
1JT-40SP	3"X12	R2.1/2"X11			35.5	34	87.5	80	

Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.



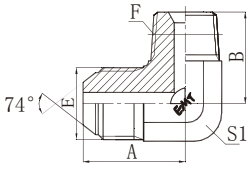


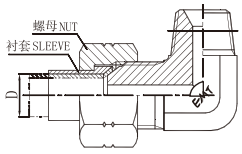
45° EBLOW JIC MALE 74° CONE /BSPT MALE

1JT4-SP

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
1JT4-04-02SP	7/16″X20	R1/8″X28			21.5	17	11		
1JT4-04SP	7/16″X20	R1/4″X19			22.3	21	14		
1JT4-04-06SP	7/16″X20	R3/8″X19			22.8	23	16		
1JT4-04-08SP	7/16″X20	R1/2″X14			24.5	29.5	22		
1JT4-05-02SP	1/2″X20	R1/8″X28			21.5	17.5	14		
1JT4-05-04SP	1/2″X20	R1/4″X19			22.3	21	14		
1JT4-05-06SP	1/2″X20	R3/8″X19			22.8	23	16		
1JT4-06-02SP	9/16″X18	R1/8″X28			22.8	18.2	14		
1JT4-06-04SP	9/16″X18	R1/4″X19			22.8	21	14		
1JT4-06SP	9/16″X18	R3/8″X19			22	23	16		
1JT4-06-08SP	9/16″X18	R1/2″X14			25	29.5	22		
1JT4-06-12SP	9/16″X18	R3/4″X14			26.5	30.5	27		
1JT4-08-04SP	3/4″X16	R1/4″X19			26.8	22	19		
1JT4-08-06SP	3/4″X16	R3/8″X19			26.8	24	19		
1JT4-08SP	3/4″X16	R1/2″X14			28	29.5	22		
1JT4-08-12SP	3/4″X16	R3/4″X14			29	30.5	27		
1JT4-10-06SP	7/8″X14	R3/8″X19			31	25	22		
1JT4-10-08SP	7/8″X14	R1/2″X14			31	29.5	22		
1JT4-10-12SP	7/8″X14	R3/4″X14			32	30.5	27		
1JT4-10-16SP	7/8″X14	R1″X11			34	38	33		
1JT4-12-08SP	1.1/16″X12	R1/2″X14			35.5	30	27		
1JT4-12SP	1.1/16″X12	R3/4″X14			35.5	30.5	27		
1JT4-12-16SP	1.1/16″X12	R1″X11			37.5	38	33		
1JT4-16-12SP	1.5/16″X12	R3/4″X14			38.5	32.5	33		
1JT4-16SP	1.5/16″X12	R1″X11			38.5	38	33		
1JT4-16-20SP	1.5/16″X12	R1.1/4″X11			42	43	41		
1JT4-20-16SP	1.5/8″X12	R1″X11			43	42	41		
1JT4-20SP	1.5/8″X12	R1.1/4″X11			43	43	41		
1JT4-20-24SPP	1.5/8″X12	R1.1/2″X11			46	47.5	48		
1JT4-24-16SP	1.7/8″X12	R1″X11			49	44.5	48		
1JT4-24-20SP	1.7/8″X12	R1.1/4″X11			49	45.5	48		
1JT4-24SP	1.7/8″X12	R1.1/2″X11			49	47.5	48		

Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.



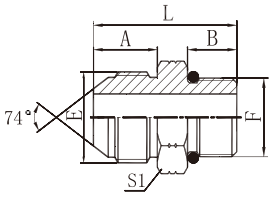


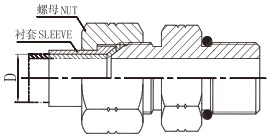
90° ELBOW JIC MALE 74° CONE/BSPT MALE

1JT9-SP

PART NO.	THREAD				DIMENSIONS				
	E	F			A	B	S1		
1JT9-04SP	7/16″X20	R1/4″X19			26.6	25.5	14		
1JT9-04-02SP	7/16″X20	R1/8″X28			24.5	21	11		
1JT9-04-06SP	7/16″X20	R3/8″X19			27.5	28	16		
1JT9-04-08SP	7/16″X20	R1/2″X14			31.5	36	22		
1JT9-05-02SP	1/2″X20	R1/8″X28			26.6	23.5	14		
1JT9-05-04SP	1/2″X20	R1/4″X19			26.6	25.5	14		
1JT9-05-06SP	1/2″X20	R3/8″X19			27.5	28	16		
1JT9-06SP	9/16″X18	R3/8″X19			28.5	28.5	16		
1JT9-06-02SP	9/16″X18	R1/8″X28			26.9	23.5	14		
1JT9-06-04SP	9/16″X18	R1/4″X19			26.9	25.5	14		
1JT9-06-08SP	9/16″X18	R1/2″X14			32	36	22		
1JT9-08SP	3/4″X16	R1/2″X14			34.8	36	22		
1JT9-08-04SP	3/4″X16	R1/4″X19			32	28	19		
1JT9-08-06SP	3/4″X16	R3/8″X19			32	30.5	19		
1JT9-08-12SP	3/4″X16	R3/4″X14			37.9	43.5	27		
1JT9-08-16SP	3/4″X16	R1″X11			41.5	50	33		
1JT9-10-06SP	7/8″X14	R3/8″X19			38	32	22		
1JT9-10-08SP	7/8″X14	R1/2″X14			37.8	36	22		
1JT9-10-12SP	7/8″X14	R3/4″X14			41	43.5	27		
1JT9-10-16SP	7/8″X14	R1″X11			46	50	33		
1JT9-12SP	1.1/16″X12	R3/4″X14			44.2	43.5	27		
1JT9-12-08SP	1.1/16″X12	R1/2″X14			44.2	40	27		
1JT9-12-16SP	1.1/16″X12	R1″X11			47.8	50	33		
1JT9-16SP	1.5/16″X12	R1″X11			49	50	33		
1JT9-16-12SP	1.5/16″X12	R3/4″X14			49	47.5	33		
1JT9-16-20SP	1.5/16″X12	R1.1/4″X11			54	56.5	41		
1JT9-20SP	1.5/8″X12	R1.1/4″X11			55.5	56.5	41		
1JT9-20-16SP	1.5/8″X12	R1″X11			55.5	56.5	41		
1JT9-20-24SP	1.5/8″X12	R1.1/2″X11			63	64	50		
1JT9-24SP	1.7/8″X12	R1.1/2″X11			62.5	62.5	48		
1JT9-24-16SP	1.7/8″X12	R1″X11			62.5	60	48		
1JT9-24-32SP	1.7/8″X12	R2″X11			74.5	67	63		
1JT9-32SP	2.1/2″X12	R2″X11			75.4	67	63		

Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.





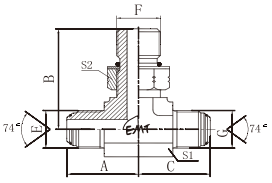
JIC MALE 74° CONE/
SAE O-RING BOSS L-SERIES ISO 11926-3

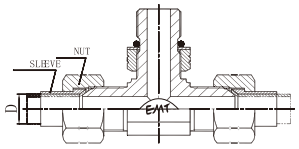
1J0

PART NO.	THREAD		O-RING	DIMENSIONS				
	E	F	F	A	B	L	S1	
1J0-04	7/16″X20	7/16″X20	8.92X1.83	14	9.14	29	14	
1J0-04-05	7/16″X20	1/2″X20	10.52X1.83	14	9.14	29	17	
1J0-04-06	7/16″X20	9/16″X18	11.89X1.98	14	9.93	30	17	
1J0-04-08	7/16″X20	3/4″X16	16.36X2.21	14	11.13	33	22	
1J0-04-10	7/16″X20	7/8″X14	19.18X2.46	14	12.7	37	27	
1J0-04-12	7/16″X20	1.1/16″X12	23.47X2.95	14	15.09	40	32	
1J0-05	1/2″X20	1/2″X20	10.52X1.83	14	9.14	29	17	
1J0-05-04	1/2″X20	7/16″X20	8.92X1.83	14	9.14	29	14	
1J0-05-06	1/2″X20	9/16″X18	11.89X1.98	14	9.93	30	17	
1J0-05-08	1/2″X20	3/4″X16	16.36X2.21	14	11.13	33	22	
1J0-06	9/16″X18	9/16″X18	11.89X1.98	14.1	9.93	30	17	
1J0-06-04	9/16″X18	7/16″X20	8.92X1.83	14.1	9.14	29	17	
1J0-06-05	9/16″X18	1/2″X20	10.52X1.83	14.1	9.14	29.5	17	
1J0-06-08	9/16″X18	3/4″X16	16.36X2.21	14.1	11.13	33	22	
1J0-06-10	9/16″X18	7/8″X14	19.18X2.46	14.1	12.7	37	27	
1J0-06-12	9/16″X18	1.1/16″X12	23.47X2.95	14.1	15.09	40	32	
1J0-08	3/4″X16	3/4″X16	16.36X2.21	16.7	11.13	36	22	
1J0-08-06	3/4″X16	9/16″X18	11.89X1.98	16.7	9.93	35	22	
1J0-08-10	3/4″X16	7/8″X14	19.18X2.46	16.7	12.7	40	27	
1J0-08-12	3/4″X16	1.1/16″X12	23.47X2.95	16.7	15.09	43	32	
1J0-08-14	3/4″X16	1.3/16″X12	26.62X2.95	16.7	15.09	43	36	
1J0-08-16	3/4″X16	1.5/16″X12	29.74X2.95	16.7	15.09	42.5	38	
1J0-08-20	3/4″X16	1.5/8″X12	37.46X3.00	16.7	15.09	47	50	
1J0-10	7/8″X14	7/8″X14	19.18X2.46	19.3	12.7	42.5	27	
1J0-10-06	7/8″X14	9/16″X18	11.89X1.98	19.3	9.93	37	24	
1J0-10-08	7/8″X14	3/4″X16	16.36X2.21	19.3	11.13	39	24	
1J0-10-12	7/8″X14	1.1/16″X12	23.47X2.95	19.3	15.09	45.5	32	
1J0-10-14	7/8″X14	1.3/16″X12	26.62X2.95	19.3	15.09	45.5	36	
1J0-10-16	7/8″X14	1.5/16″X12	29.74X2.95	19.3	15.09	45.5	38	
1J0-12	1.1/16″X12	1.1/16″X12	23.47X2.95	21.9	15.09	48	32	
1J0-12-06	1.1/16″X12	9/16″X18	11.89X1.98	21.9	9.93	41.8	30	
1J0-12-08	1.1/16″X12	3/4″X16	16.36X2.21	21.9	11.13	43	30	
1J0-12-10	1.1/16″X12	7/8″X14	19.18X2.46	21.9	12.7	45	30	
1J0-12-14	1.1/16″X12	1.3/16″X12	26.62X2.95	21.9	15.09	48	36	
1J0-12-16	1.1/16″X12	1.5/16″X12	29.74X2.95	21.9	15.09	48	38	
1J0-12-20	1.1/16″X12	1.5/8″X12	37.46X3.00	21.9	15.09	52	50	
1J0-14	1.3/16″X12	1.3/16″X12	26.62X2.95	22.6	15.09	48.5	36	
1J0-14-10	1.3/16″X12	7/8″X14	19.18X2.46	22.6	12.7	46.5	32	
1J0-14-12	1.3/16″X12	1.1/16″X12	23.47X2.95	22.6	15.09	48.5	32	
1J0-14-16	1.3/16″X12	1.5/16″X12	29.74X2.95	22.6	15.09	50.5	38	
1J0-16	1.5/16″X12	1.5/16″X12	29.74X2.95	23.1	15.09	49	38	

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	L	S1	
1JO-16-10	1.5/16" X12	7/8" X14		19.18-2.46	23.1	12.7	46.6	36	
1JO-16-12	1.5/16" X12	1.1/16" X12		23.47-2.96	23.1	15.09	49	36	
1JO-16-20	1.5/16" X12	1.5/8" X12		37.46-3.00	23.1	15.09	53	50	
1JO-20	1.5/8" X12	1.5/8" X12		37.46-3.00	24.3	15.09	54.5	50	
1JO-20-14	1.5/8" X12	1.3/16" X12		26.62-2.95	24.3	15.09	52.5	46	
1JO-20-26	1.5/8" X12	1.5/16" X12		29.74-2.95	24.3	15.09	52.5	46	
1JO-20-24	1.5/8" X12	1.7/8" X12		43.69-3.00	24.3	15.09	54.5	55	
1JO-24	1.7/8" X12	1.7/8" X12		43.69-3.00	27.5	15.09	57.5	55	
1JO-24-16	1.7/8" X12	1.5/16" X12		29.74-2.95	27.5	15.09	57.5	50	
1JO-24-20	1.7/8" X12	1.5/8" X12		37.46-3.00	27.5	15.09	57.5	50	
1JO-24-32	1.7/8" X12	2.1/2" X12		59.36-3.00	27.5	15.09	59.5	70	
1JO-32	2.1/2" X12	2.1/2" X12		59.36-3.00	33.9	15.09	66	70	

Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.



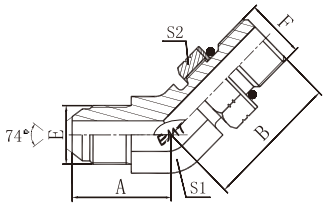


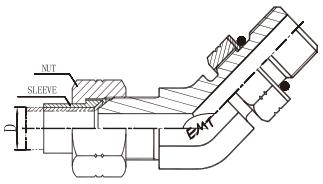
JIC MALE 74° CONE /SAE O-RING BOSS
L-SERIES ISO 11926-3 BRANCH TEE

AJOJ-OG

PART NO.	THREAD			O-RING		DIMENSIONS				
	E	F	G		F	A	B	C	S1	S2
AJOJ-040G	7/16"X20	7/16"X20	7/16"X20		8.92X1.83	24.5	27.2	24.5	11	17
AJOJ-05-04-050G	1/2"X20	7/16"X20	1/2"X20		8.92X1.83	26.6	30	26.6	14	17
AJOJ-050G	1/2"X20	1/2"X20	1/2"X20		10.52X1.83	26.6	29	26.6	14	17
AJOJ-06-04-060G	9/16"X18	7/16"X20	9/16"X18		8.92X1.83	26.9	30	26.9	14	17
AJOJ-06-05-060G	9/16"X18	1/2"X20	9/16"X18		10.52X1.83	26.9	30	26.9	14	17
AJOJ-060G	9/16"X18	9/16"X18	9/16"X18		11.89X1.98	26.9	31.8	26.9	14	19
AJOJ-06-08-060G	9/16"X18	3/4"X16	9/16"X18		16.36X2.21	30	37.5	30	19	24
AJOJ-08-06-080G	3/4"X16	9/16"X18	3/4"X16		11.89X1.98	32	33.5	32	19	19
AJOJ-080G	3/4"X16	3/4"X16	3/4"X16		16.36X2.21	33	36.8	33	19	24
AJOJ-10-08-100G	7/8"X14	3/4"X16	7/8"X14		16.36X2.21	37.8	39.5	37.8	22	24
AJOJ-100G	7/8"X14	7/8"X14	7/8"X14		19.18X2.46	37.8	44	37.8	22	27
AJOJ-12-08-120G	1.1/16"X12	3/4"X16	1.1/16"X12		16.36X2.21	44.2	43	44.2	27	24
AJOJ-12-10-120G	1.1/16"X12	7/8"X14	1.1/16"X12		19.18X2.46	44.2	49	44.2	27	27
AJOJ-120G	1.1/16"X12	1.1/16"X12	1.1/16"X12		23.47X2.95	44.2	51	44.2	27	32
AJOJ-140G	1.3/16"X12	1.3/16"X12	1.3/16"X12		26.62X2.95	48.5	56	48.5	33	38
AJOJ-16-14-160G	1.5/16"X12	1.3/16"X12	1.5/16"X12		26.62X2.95	49	56	49	33	38
AJOJ-160G	1.5/16"X12	1.5/16"X12	1.5/16"X12		29.74X2.95	48.8	54.5	48.8	33	41
AJOJ-16-20-160G	1.5/16"X12	1.5/8"X12	1.5/16"X12		37.46X3.00	54	59.5	54	41	50
AJOJ-20-16-200G	1.5/8"X12	1.5/16"X12	1.5/8"X12		29.74X2.95	55.5	59.5	55.5	41	41
AJOJ-200G	1.5/8"X12	1.5/8"X12	1.5/8"X12		37.46X3.00	55.3	59	55.3	41	50
AJOJ-240G	1.7/8"X12	1.7/8"X12	1.7/8"X12		43.69X3.00	62.5	63	62.5	48	55

Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.



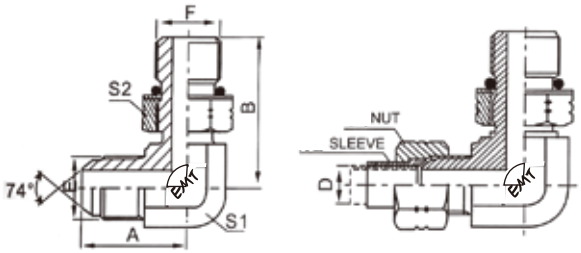


45° ELBOW JIC MALE 74° CONE/
SAE O-RING BOSS L-SERIES ISO 11926-3

1J04-0G

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	S1	S2	
1J04-040G	7/16"X20	7/16"X20		8.92X1.83	21	24	11	17	
1J04-04-060G	7/16"X20	9/16"X18		11.89X1.98	22.3	27.5	14	19	
1J04-050G	1/2"X20	1/2"X20		10.52X1.83	22	26.7	14	17	
1J04-060G	9/16"X18	9/16"X18		11.89X1.98	23.5	28	14	19	
1J04-06-040G	9/16"X18	7/16"X20		8.92X1.83	22.8	26	14	17	
1J04-06-080G	9/16"X18	3/4"X16		16.36X2.21	25	32.5	19	24	
1J04-080G	3/4"X16	3/4"X16		16.36X2.21	25.8	32.5	19	24	
1J04-08-060G	3/4"X16	9/16"X18		11.89X1.98	25.8	30	19	19	
1J04-08-100G	3/4"X16	7/8"X14		19.18X2.46	28	38.7	22	27	
1J04-08-120G	3/4"X16	1.1/16"X12		23.47X2.95	30	43.9	27	32	
1J04-100G	7/8"X14	7/8"X14		19.18X2.46	29.5	38.7	22	27	
1J04-10-060G	7/8"X14	9/16"X18		11.89X1.98	29.5	29.8	22	19	
1J04-10-080G	7/8"X14	3/4"X16		16.36X2.21	29.5	33	22	27	
1J04-10-120G	7/8"X14	1.1/16"X12		23.47X2.95	33	43.9	27	32	
1J04-120G	1.1/16"X12	1.1/16"X12		23.47X2.95	34	43.5	27	32	
1J04-12-100G	1.1/16"X12	7/8"X14		19.18X2.46	34	42	27	27	
1J04-12-160G	1.1/16"X12	1.5/16"X12		29.74X2.95	37	45.5	33	41	
1J04-160G	1.5/16"X12	1.5/16"X12		29.74X2.95	38	45.5	33	41	
1J04-16-120G	1.5/16"X12	1.1/16"X12		23.47X2.95	38	45	33	32	
1J04-16-200G	1.5/16"X12	1.5/8"X12		37.46X3.00	40.5	47	41	50	
1J04-200G	1.5/8"X12	1.5/8"X12		37.46X3.00	42	48.5	41	50	
1J04-240G	1.7/8"X12	1.7/8"X12		43.69X3.00	48	50	48	55	

1 Nut and sleeve should be ordered separately.The nut NB200 and sleeve NB500 is suitable for metric tube,the nut NB200 and sleeve NB300 is suitable for inch tube.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS" . And suffix "EE" for ordering brass adaptor. For example: 1J04-040G-SS means stainless steel adaptor. 1J04-040G-EE means brass adaptor.

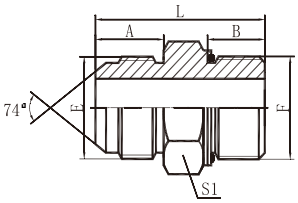


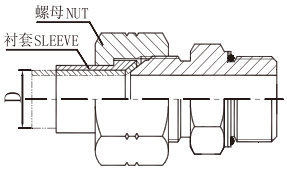
90° ELBOW JIC MALE 74° CONE/
SAE O-RING BOSS L-SERIES ISO 11926-3

1J09-0G

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	S1	S2	
1J09-04-030G	7/16"X20	3/8"X24		0903	24.5	28	11	14	
1J09-040G	7/16"X20	7/16"X20		0904	24.5	27.2	11	17	
1J09-04-050G	7/16"X20	1/2"X20		0905	26.6	29.9	14	17	
1J09-04-060G	7/16"X20	9/16"X18		0906	26.6	31.8	14	19	
1J09-05-040G	1/2"X20	7/16"X20		0904	26.6	30	14	17	
1J09-050G	1/2"X20	1/2"X20		0905	26.6	29	14	17	
1J09-05-060G	1/2"X20	9/16"X18		0906	26,6	31.8	14	19	
1J09-06-040G	9/16"X18	7/16"X20		0904	26.9	30	14	17	
1J09-06-050G	9/16"X18	1/2"X20		0905	26.9	29.9	14	17	
1J09-060G	9/16"X18	9/16"X18		0906	26.9	31.8	14	19	
1J09-06-080G	9/16"X18	3/4"X16		0908	30	36.8	19	24	
1J09-08-040G	3/4"X16	7/16"X20		0904	32	33	19	17	
1J09-08-060G	3/4"X16	9/16"X18		0906	33	33.5	19	19	
1J09-080G	3/4"X16	3/4"X16		0908	33	36.8	19	24	
1J09-08-100G	3/4"X16	7/8"X14		0910	34.8	44	22	27	
1J09-08-120G	3/4"X16	1.1/16"X12		0912	37.9	51	27	32	
1J09-10-080G	7/8"X14	3/4"X16		0908	38	40	22	27	
1J09-100G	7/8"X14	7/8"X14		0910	37.8	44	22	27	
1J09-10 120G	7/8"X14	1.1116" X12		0912	41	51	27	32	
1J09-12-080G	1.1/16"X12	3/4"X16		0908	45	44	27	24	
1J09-12-100G	1.1/16"X12	7/8"X14		0910	44 2	47	27	27	
1J09-120G	1.1/16"X12	1.1/16"X12		0912	44.2	51	27	32	
1J09-12-160G	1.1/16"X12	1.5/16"X12		0916	47.8	54.5	33	41	
1J09-140G	1.3/16"X12	1.3/16"X12		0914	47.5	53	30	36	
1J09-14-160G	1.3/16"X12	1.5/16"X12		0916	48.5	54.5	33	41	
1J09-16-120G	1.5/16"X12	1.1/16"X12		0912	48.8	54.5	33	32	
1J09-16-140G	1.5/16"X12	1.3/16"X12		0914	49	56	33	36	
1J09-160G	1.5/16"X12	1.5/16"X12		0916	48.8	54.5	33	41	
1J09-16-200G	1.5/16"X12	1.5/8"X12		0920	53.8	59	41	50	
1J09-20-160G	1.5/8"X12	1.5/16"X12		0916	55.5	59.5	41	41	
1J09-200G	1.5/8"X12	1.5/8"X12		0920	55.3	59	41	50	
1J09-20-240G	1.5/8"X12	1.7/8"X12		0924	59.4	63	48	55	
1J09-240G	1.7/8"X12	1.7/8"X12		0924	62.5	63	48	55	
1J09-320G	2.1/2"X12	2.1/2"X12		0932	80	76	63	70	

Note:1.Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube. 2 F end is connected with ISO 11926-1 port.



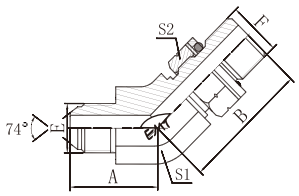


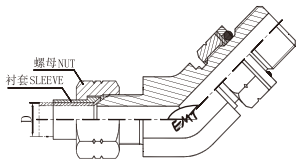
1JG

JIC MALE 74° CONE/BSP MALE WITH O-RING

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	L	S1	
1JG-04	7/16″X20	G1/4″X19		10.77X2.62	14	10	32	19	
1JG-04-02	7/16″X20	G1/8″X28		7.65X1.78	14	9.5	31	14	
1JG-04-06	7/16″X20	G3/8″X19		13.94X2.62	14	11.5	34	22	
1JG-04-08	7/16″X20	G1/2″X14		17.12X2.62	14	14	39	27	
1JG-05-02	1/2″X20	G1/8″X28		7.65X1.78	14	9.5	31	14	
1JG-05-04	1/2″X20	G1/4″X19		10.77X2.62	14	10	32	19	
1JG-05-06	1/2″X20	G3/8″X19		13.94X2.62	14	11.5	36	22	
1JG-05-08	1/2″X20	G1/2″X14		17.12X2.62	14	14	39	27	
1JG-05-12	1/2″X20	G3/4″X14		23.47X2.62	14	15.5	43	32	
1JG-06	9/16″X18	G3/8″X19		13.94X2.62	14.1	11.5	34	22	
1JG-06-04	9/16″X18	G1/4″X19		10.77X2.62	14.1	10	31	19	
1JG-06-08	9/16″X18	G1/2″X14		17.12X2.62	14.1	14	39	27	
1JG-08	3/4″X16	G1/2″X14		17.12X2.62	16.7	14	42	27	
1JG-08-04	3/4″X16	G1/4″X19		10.77X2.62	16.7	10	35	22	
1JG-08-06	3/4″X16	G3/8″X19		13.94X2.62	16.7	11.5	37	22	
1JG-08-12	3/4″X16	G3/4″X14		23.47X2.62	16.7	15.5	44	32	
1JG-10-06	7/8″X14	G3/8″X19		13.94X2.62	19.3	11.5	39.5	24	
1JG-10-08	7/8″X14	G1/2″X14		17.12X2.62	19.3	14	44.5	27	
1JG-10-12	7/8″X14	G3/4″X14		23.47X2.62	19.3	15.5	48.5	32	
1JG-12	1.1/16″X12	G3/4″X14		23.47X2.62	22	15.5	49.5	32	
1JG-12-06	1.1/16″X12	G3/8″X19		13.94X2.62	22	11.5	46.5	30	
1JG-12-08	1.1/16″X12	G1/2″X14		17.12X2.62	22	14	49	30	
1JG-12-16	1.1/16″X12	G1″X11		29.74X3.53	22	18	54	41	
1JG-16	1.5/16″X12	G1″X11		29.74X3.53	23	18	55	41	
1JG-16-12	1.5/16″X12	G3/4″X14		23.47X2.62	23	15.5	52.5	36	
1JG-16-20	1.5/16″X12	G1.1/4″X11		37.69X3.53	23	20	58	50	
1JG-16-24	1.5/16″X12	G1.1/2X11		44.04X3.53	23	21.5	59.5	55	
1JG-20	1.5/8″X12	G1.1/4″X11		37.69X3.53	24.3	20	59.5	50	
1JG-20-16	1.5/8″X12	G1″X11		29.74X3.53	24.3	18	58	46	
1JG-24	1.7/8″X12	G1.1/2″X11		44.04X3.53	27.5	21.5	64	55	
1JG-24-16	1.7/8″X12	G1″X11		29.74X3.53	27.5	18	60.5	50	
1JG-24-20	1.7/8″X12	G1.1/4″X11		37.69X3.53	27.5	20	65.5	50	

Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.



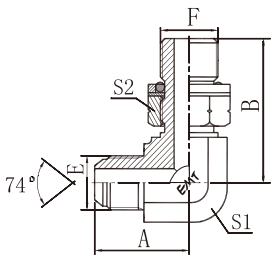


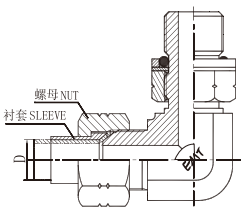
45° ELBOW JIC MALE 74° CONE/BSP MALE O-RING

1JG4-OG

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	S1	S2	
1JG4-040G	7/16″X20	G1/4″X19		10.77X2.62	21	28	14	19	
1JG4-05-040G	1/2″X20	G1/4″X19		10.77X2.62	21	28	14	19	
1JG4-06-040G	9/16″X18	G1/4″X19		10.77X2.62	22	28	14	19	
1JG4-060G	9/16″X18	G3/8″X19		13.94X2.62	23	32	19	22	
1JG4-08-060G	3/4″X16	G3/8″X19		13.94X2.62	25.8	32	19	22	
1JG4-080G	3/4″X16	G1/2″X14		17.12X2.62	27.5	36	22	27	
1JG4-10-080G	7/8″X14	G1/2″X14		17.12X2.62	29.5	38	22	27	
1JG4-100G	7/8″X14	G5/8″X14		19.18X2.46	29.5	38	22	30	
1JG4-12-100G	1.1/16″X12	G5/8″X14		19.18X2.46	34	38.5	27	30	
1JG4-120G	1.1/16″X12	G3/4″X14		23.47X2.62	34	42	27	32	
1JG4-12-160G	1.1/16″X12	G1″X11		29.74X3.53	37.5	44	33	41	
1JG4-16-120G	1.5/16″X12	G3/4″X14		23.47X2.62	38	44	33	32	
1JG4-160G	1.5/16″X12	G1″X11		29.74X3.53	38	44	33	41	
1JG4-200G	1.5/8″X12	G1.1/4″X11		37.69X3.53	43	47.5	41	50	

1 Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 1JG4-040G-SS means stainless steel adaptor. 1JG4-040G-EE means brass adaptor.



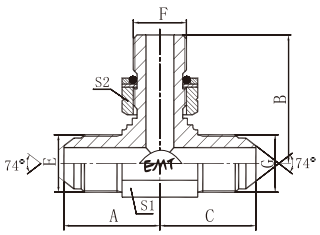


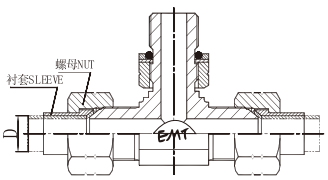
90° EBLOW JIC MALE 74° CONE/BSP MALE O-RING

1JG9-OG

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F		F	A	B	S1	S2	
1JG9-040G	7/16"X20	G1/4"X19		10.77X2.62	26.6	31.3	14	19	
1JG9-04-020G	7/16"X20	G1/8"X28		7.65X1.78	24.5	26.2	11	14	
1JG9-04-060G	7/16"X20	G3/8"X19		13.94X2.62	27.5	36.8	16	22	
1JG9-05-040G	1/2"X20	G1/4"X19		10.77X2.62	26.5	31.8	14	19	
1JG9-05-060G	1/2"X20	G3/8"X19		13.94X2.62	27.5	35.8	16	22	
1JG9-05-080G	1/2"X20	G1/2"X14		17.12X2.62	31.5	43.2	22	27	
1JG9-060G	9/16"X18	G3/8"X19		13.94X2.62	28.5	35.8	16	22	
1JG9-06-040G	9/16"X18	G1/4"X19		10.77X2.62	26.9	31.3	14	19	
1JG9-06-080G	9/16"X18	G1/2"X14		17.12X2.62	32.5	43.2	22	27	
1JG9-080G	3/4"X16	G1/2"X14		17.12X2.62	34.8	43.2	22	27	
1JG9-08-040G	3/4"X16	G1/4"X19		10.77X2.62	32	33.5	19	19	
1JG9-08-060G	3/4"X16	G3/8"X19		13.94X2.62	32	36.8	19	22	
1JG9-08-120G	3/4"X16	G3/4"X14		23.47X2.62	37.9	49.3	27	32	
1JG9-100G	7/8"X14	G5/8"X14		19.18X2.46	36.8	44.5	22	30	
1JG9-10-040G	7/8"X14	G1/4"X19		10.77X2.62	36.8	36	22	19	
1JG9-10-060G	7/8"X14	G3/8"X19		13.94X2.62	37.8	39.2	22	22	
1JG9-10-080G	7/8"X14	G1/2"X14		17.12X2.62	37.8	43.2	22	27	
1JG9-10-120G	7/8"X14	G3/4"X14		23.47X2.62	41	49.3	27	32	
1JG9-120G	1.1/16"X12	G3/4"X14		23.47X2.62	44.2	49.3	27	32	
1JG9-12-080G	1.1/16"X12	G1/2"X14		17.12X2.62	44.2	46.5	27	27	
1JG9-12-160G	1.1/16"X12	G1"X11		29.74X3.53	48	53	33	41	
1JG9-160G	1.5/16"X12	G1"X11		29.74X3.53	49	53	33	41	
1JG9-16-120G	1.5/16"X12	G3/4"X14		23.47X2.62	49	53	33	32	
1JG9-16-200G	1.5/16"X12	G1.1/4"X11		37.69X3.53	53.8	58	41	50	
1JG9-200G	1.5/8"X12	G1.1/4"X11		37.69X3.53	55.5	58	41	50	
1JG9-20-160G	1.5/8"X12	G1"X11		29.74X3.53	55.5	58	41	41	
1JG9-24-160G	1.7/8"X12	G1"X11		29.74X3.53	62.5	63	48	41	
1JG9-24-200G	1.7/8"X12	G1.1/4"X11		37.69X3.53	62.5	63	48	50	
1JG9-240G	1.7/8"X12	G1.1/2"X11		44.04X3.53	62.5	63	48	55	

Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.



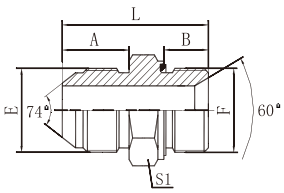


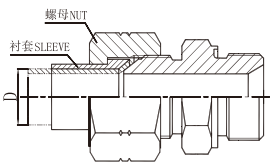
90° EBLOW JIC MALE 74° CONE /
BSP MALE O-RING BRANCH TEE

AJGJ-OG

PART NO.	THREAD			O-RING		DIMENSIONS				
	E	F	G		F端	A	B	C	S1	S2
AJGJ-040G	7/16"X20	G1/4"X19	7/16"X20		10.77X2.62	26.6	31.8	26.6	14	19
AJGJ-04-02-040G	7/16"X20	G1/8"X28	7/16"X20		10.77X2.62	24.5	26.2	24.5	11	19
AJGJ-05-02-050G	1/2"X20	G1/8"X28	1/2"X20		10.77X2.62	26.6	29	26.6	14	19
AJGJ-05-04-050G	1/2"X20	G1/4"X19	1/2"X20		10.77X2.62	26.6	31.8	26.6	14	19
AJGJ-06-04-060G	9/16"X18	G1/4"X19	9/16"X18		10.77X2.62	37	31	27	14	19
AJGJ-060G	9/16"X18	G3/8"X19	9/16"X18		13.94X2.62	28.5	36.8	28.5	16	22
AJGJ-08-06-080G	3/4"X16	G3/8"X19	3/4"X16		13.94X2.62	33	37	33	19	22
AJGJ-080G	3/4"X16	G1/2"X14	3/4"X16		17.12X2.62	35	43.2	35	22	27
AJGJ-10-08-100G	7/8"X14	G1/2"X14	7/8"X14		17.12X2.62	37.8	43.5	37.8	22	27
AJGJ-120G	1.1/16"X12	G3/4"X14	1.1/16"X12		23.47X2.62	44.2	51	44.2	27	32
AJGJ-160G	1.5/16"X12	G1"X11	1.5/16"X12		29.74X3.53	48.8	53	48.8	33	41

1 Nut and sleeve should be ordered separately.The nut NB200 and sleeve NB500 is suitable for metric tube,the nut NB200 and sleeve NB300 is suitable for inch tube.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: AJGJ-040G-SS means stainless steel adaptor. AJGJ-040G-EE means brass adaptor.



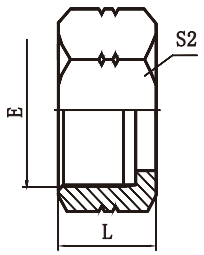


1JB-WD

JIC MALE 74° CONE/BSP MALE CAPTIVE SEAL

PART NO.	THREAD		CAPTIVE		DIMENSIONS				
	E	F		F端	A	B	L	S1	
1JB-04WD	7/16″X20	G1/4″X19		WD-B04	14	12	34	19	
1JB-04-02WD	7/16″X20	G1/8″X28		WD-B02	14	8	29.5	14	
1JB-04-06WD	7/16″X20	G3/8″X19		WD-B06	14	12	34.5	22	
1JB-04-08WD	7/16″X20	G1/2″X14		WD-B08	14	14	41	27	
1JB-05-04WD	1/2″X20	G1/4″X19		WD-B04	14	12	34	19	
1JB-05-06WD	1/2″X20	G3/8″X19		WD-B06	14	12	34.5	22	
1JB-06WD	9/16″X18	G3/8″X19		WD-B06	14.1	12	34.5	22	
1JB-06-02WD	9/16″X18	G1/8″X28		WD-B02	14.1	8	29.5	17	
1JB-06-04WD	9/16″X18	G1/4″X19		WD-B04	14.1	12	34	19	
1JB-06-08WD	9/16″X18	G1/2″X14		WD-B08	14.1	14	41	27	
1JB-08WD	3/4″X16	G1/2″X14		WD-B08	16.7	14	43.5	27	
1JB-08-04WD	3/4″X16	G1/4″X19		WD-B04	16.7	12	37	22	
1JB-08-06WD	3/4″X16	G3/8″X19		WD-B06	16.7	12	37.5	22	
1JB-08-12WD	3/4″X16	G3/4″X14		WD-B12	16.7	16	45	32	
1JB-10-06WD	7/8″X14	G3/8″X19		WD-B06	19.3	12	41.5	24	
1JB-10-08WD	7/8″X14	G1/2″X14		WD-B08	19.3	14	46.5	27	
1JB-10-12WD	7/8″X14	G3/4″X14		WD-B12	19.3	16	47.5	32	
1JB-12WD	1.1/16″X12	G3/4″X14		WD-B12	21.9	16	50	32	
1JB-12-06WD	1.1/16″X12	G3/8″X19		WD-B06	21.9	12	46	30	
1JB-12-08WD	1.1/16″X12	G1/2″X14		WD-B08	21.9	14	48.5	30	
1JB-12-16WD	1.1/16″X12	G1″X11		WD-B16	21.9	18	56	41	
1JB-12-20WD	1.1/16″X12	G1.1/4″X11		WD-B20	21.9	20	60	50	
1JB-16WD	1.5/16″X12	G1″X11		WD-B16	23.1	18	57	41	
1JB-16-12WD	1.5/16″X12	G3/4″X14		WD-B12	23.1	16	53	36	
1JB-16-20WD	1.5/16″X12	G1.1/4″X11		WD-B20	23.1	20	61	50	
1JB-20WD	1.5/8″X12	G1.1/4″X11		WD-B20	24.3	20	62	50	
1JB-20-16WD	1.5/8″X12	G1″X11		WD-B16	24.3	18	58	46	
1JB-20-24WD	1.5/8″X12	G1.1/2″X11		WD-B24	24.3	22	64	55	
1JB-24WD	1.7/8″X12	G1.1/2″X11		WD-B24	27.5	22	67.5	55	
1JB-24-20WD	1.7/8″X12	G1.1/4″X11		WD-B20	27.5	20	65.5	50	
1JB-32WD	2.1/2″X12	G/2″X11		WD-B32	34	20	73	75	

Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube, the nut NB200 and sleeve NB300 is suitable for inch tube.

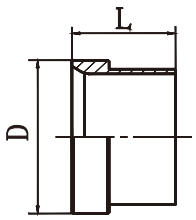


NB200

JIC FLARE TUBE END NUT

PART NO.	THREAD	INCH SLEEVE		METRIC SLEEVE		DIMENSIONS		
	E	O.D.	NO.	O.D.	NO.	L	S2	
NB200-04	7/16" X20	1/4"	NB300-04	6	NB500-06	15.8	14	
NB200-05	1/2" X20	5/16"	NB300-05	8	NB500-08	17.3	17	
NB200-06	9/16" X18	3/8"	NB300-06	10	NB500-10	18.5	19	
NB200-08	3/4" X16	1/2"	NB300-08	12	NB500-12	21.6	24	
NB200-10	7/8" X14			14	NB500-14	24.9	27	
NB200-10	7/8" X14			15	NB500-15	24.9	27	
NB200-10	7/8" X14	5/8"	NB300-10	16	NB500-16	24.9	27	
NB200-12	1.1/16" X12	3/4"	NB300-12	18	NB500-18	26.2	32	
NB200-12A	1.1/16" X12			20	NB500-20A	26.2	32	
NB200-14	1.3/16" X12			20	NB500-20	27.7	36	
NB200-14	1.3/16" X12	7/8"	NB300-14	22	NB500-22	27.7	36	
NB200-16	1.5/16" X12	1"	NB300-16	25	NB500-25	28.7	38	
NB200-20	1.5/8" X12			28	NB500-28	31.2	50	
NB200-20	1.5/8" X12			30	NB500-30	31.2	50	
NB200-20	1.5/8" X12	1.1/4"	NB300-20	32	NB500-32	31.2	50	
NB200-24	1.7/8" X12			35	NB500-35	36.1	60	
NB200-24	1.7/8" X12	1.1/2"	NB300-24	38	NB500-38	36.1	60	
NB200-32	2.1/2" X12	2"	NB300-32	50	NB500-50	44.5	75	

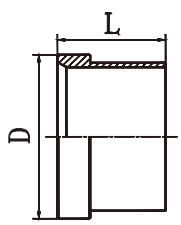
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS". And suffix "EE" for ordering brass adaptor. For example: NB200-04-SS means stainless steel adaptor. NB200-04-EE means brass adaptor.



NB300

JIC INCH SLEEVE

PART NO.	THREAD		TUBE O.D.		DIMENSIONS				
			In.		D	L			
NB300-04	7/16″X20		1/4″		9.73	10.4			
NB300-05	1/2″X20		5/16″		11.3	11.2			
NB300-06	9/16″X18		3/8″		12.75	12.7			
NB300-08	3/4″X16		1/2″		17.32	14.2			
NB300-10	7/8″X14		5/8″		20.24	16.8			
NB300-12	1.1/16″X12		3/4″		24.69	17.3			
NB300-14	1.3/16″X12		7/8″		27.86	19.3			
NB300-16	1.5/16″X12		1″		31.04	19.8			
NB300-20	1.5/8″X12		1.1/4″		38.96	23.1			
NB300-24	1.7/8″X12		1.1/2″		45.31	28.4			
NB300-32	2.1/2″X12		2″		61.19	30.2			

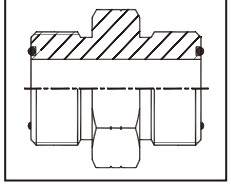


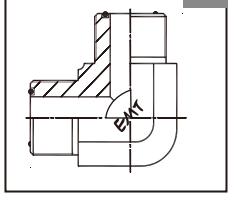
NB500

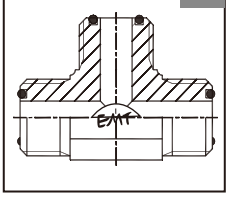
JIC METRIC SLEEVE

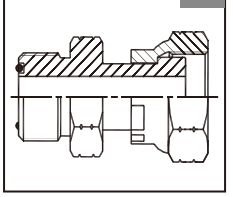
PART NO.	THREAD		O.D.		DIMENSIONS				
				mm	D	L			
NB500-06	7/16″X20			6	9.7	10.4			
NB500-08	1/2″X20			8	11.3	11.2			
NB500-10	9/16″X18			10	12.7	12.7			
NB500-12	3/4″X16			12	17.3	14.2			
NB500-14	7/8″X14			14	20.2	16.8			
NB500-15	7/8″X14			15	20.2	16.8			
NB500-16	7/8″X14			16	20.2	16.8			
NB500-18	1.1/16″X12			18	24.7	17.3			
NB500-20	1.3/16″X12			20	27.8	19.3			
NB500-22	1.3/16″X12			22	27.8	19.3			
NB500-25	1.5/16″X12			25	31	19.8			
NB500-28	1.5/8″X12			28	38.9	23.1			
NB500-30	1.5/8″X12			30	38.9	23.1			
NB500-32	1.5/8″X12			32	38.9	23.1			
NB500-35	1.7/8″X12			35	45.3	28.4			
NB500-38	1.7/8″X12			38	45.3	28.4			
NB500-50	2.1/2″X12			50	61.2	30.2			

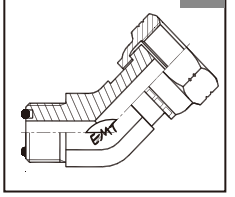
ORFS FITTINGS INDEX

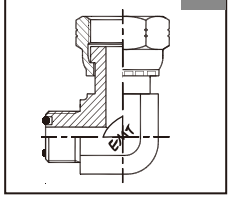
1F P270 

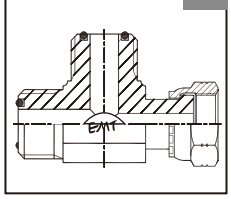
1F9 P271 

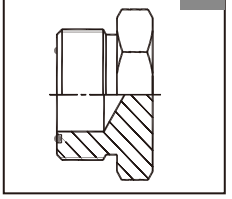
AF P271 

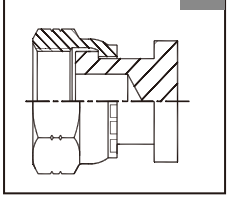
2F P272 

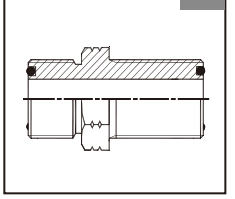
2F4 P273 

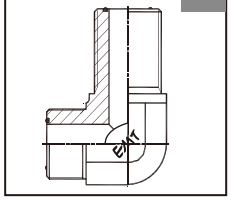
2F9 P273 

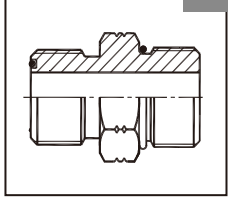
CF P274 

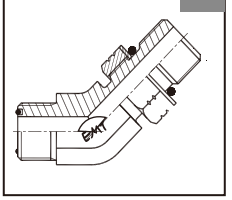
4F P274 

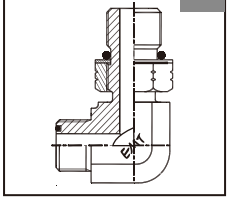
9F P275 

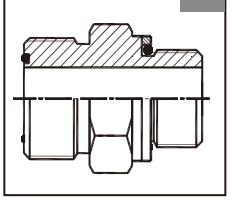
6F P276 

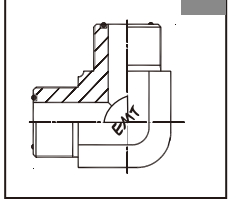
6F9/6F9-LN P276 

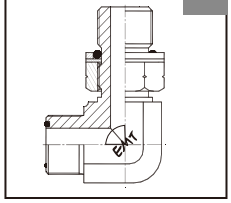
1FO P277 

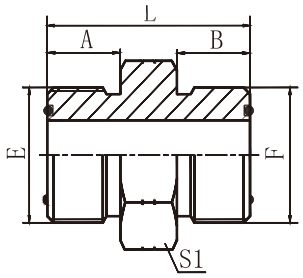
1FO4-OG P278 

1FO9-OG P279 

1FG P280 

1FG4-OG P281 

1FG9-OG P282 

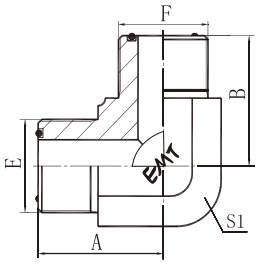


1F

ORFS MALE O-RING

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E	F	A	B	L	S1	
1F-04	9/16"X18	9/16"X18	7.65X1.78	7.65X1.78	9.8	9.8	27.5	17	
1F-04-06	9/16"X18	11/16"X16	7.65X1.78	9.25X1.78	9.8	11.2	29.7	19	
1F-04-08	9/16"X18	13/16"X16	7.65X1.78	12.42X1.78	9.8	12.8	32.5	22	
1F-04-10	9/16"X18	1"X14	7.65X1.78	15.6X1.78	9.8	15.5	37	27	
1F-04-12	9/16"X18	1.3/16"X12	7.65X1.78	18.77X1.78	9.8	17	40	32	
1F-06	11/16"X16	11/16"X16	9.25X1.78	9.25X1.78	11.2	11.2	31.1	19	
1F-06-08	11/16"X16	13/16"X16	9.25X1.78	12.42X1.78	11.2	12.8	33.8	22	
1F-06-10	11/16"X16	1"X14	9.25X1.78	15.6X1.78	11.2	15.5	38.5	27	
1F-06-12	11/16"X16	1.3/16"X12	9.25X1.78	18.77X1.78	11.2	17	41.3	32	
1F-08	13/16"X16	13/16"X16	12.42X1.78	12.42X1.78	12.8	12.8	35.4	22	
1F-08-10	13/16"X16	1"X14	12.42X1.78	15.6X1.78	12.8	15.5	40	27	
1F-08-12	13/16"X16	1.3/16"X12	12.42X1.78	18.77X1.78	12.8	17	43	32	
1F-08-16	13/16"X16	1.7/16"X12	12.42X1.78	23.52X1.78	12.8	17.5	44.5	38	
1F-10	1"X14	1"X14	15.6X1.78	15.6X1.78	15.5	15.5	42.5	27	
1F-10-12	1"X14	1.3/16"X12	15.6X1.78	18.77X1.78	15.5	17	45.5	32	
1F-12	1.3/16"X12	1.3/16"X12	18.77X1.78	18.77X1.78	17	17	47.1	32	
1F-12-16	1.3/16"X12	1.7/16"X12	18.77X1.78	23.52X1.78	17	17.5	45.5	38	
1F-12-20	1.3/16"X12	1.11/16"X12	18.77X1.78	29.87X1.78	17	17.5	50.8	46	
1F-12-24	1.3/16"X12	2"X12	18.77X1.78	37.82X1.78	17	17.5	52.5	55	
1F-16	1.7/16"X12	1.7/16"X12	23.52X1.78	23.52X1.78	17.5	17.5	49.3	38	
1F-16-20	1.7/16"X12	1.11/16"X12	23.52X1.78	29.87X1.78	17.5	17.5	51.3	46	
1F-16-24	1.7/16"X12	2"X12	23.52X1.78	37.82X1.78	17.5	17.5	53	55	
1F-20	1.11/16"X12	1.11/16"X12	29.87X1.78	29.87X1.78	17.5	17.5	51.3	46	
1F-20-24	1.11/16"X12	2"X12	29.87X1.78	37.82X1.78	17.5	17.5	53	55	
1F-24	2"X12	2"X12	37.82X1.78	37.82X1.78	17.5	17.5	53	55	

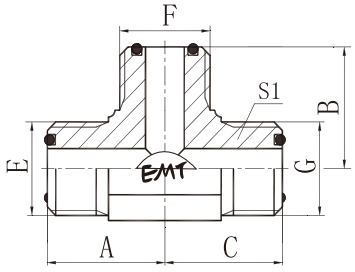
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS". And suffix "EE" for ordering brass adaptor. For example: 1F-04-SS means stainless steel adaptor. 1F-04-EE means brass adaptor.



1F9

90° EBLOW ORFS MALE O-RING

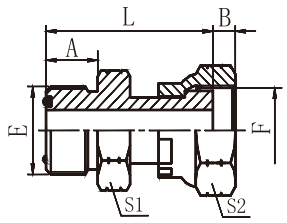
PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E	F	A	B	S1		
1F9-04	9/16X18	9/16X18	7.65X1.78	7.65X1.78	23	23	14		
1F9-04-06	9/16X18	11/16"X16	7.65X1.78	9.25X1.78	25.5	27	19		
1F9-04-08	9/16X18	13/16"X16	7.65X1.78	12.42X1.78	28	31	22		
1F9-06	11/16"X16	11/16"X16	9.25X1.78	9.25X1.78	27.5	27.5	19		
1F9-06-08	11/16"X16	13/16"X16	9.25X1.78	12.42X1.78	29	31	22		
1F9-08	13/16"X16	13/16"X16	12.42X1.78	12.42X1.78	31	31	22		
1F9-08-12	13/16"X16	1.3/16"X12	12.42X1.78	18.77X1.78	35.5	40.3	30		
1F9-10	1"X14	1"X14	15.6X1.78	15.6X1.78	36.5	36.5	27		
1F9-12	1.3/16"X12	1.3/16"X12	18.77X1.78	18.77X1.78	41	41	30		
1F9-16	1.7/16"X12	1.7/16"X12	23.52X1.78	23.52X1.78	44.5	44.5	36		
1F9-20	1.11/16"X12	1.11/16"X12	29.87X1.78	29.87X1.78	47.5	47.5	41		



AF

ORFS MALE O-RING TEE

PART NO.	THREAD			O-RING			DIMENSIONS				
	E	F	G	E	F	G	A	B	C	S1	
AF-04	9/16"X18	9/16"X18	9/16"X18	7.65X1.78	7.65X1.78	7.65X1.78	23	23	23	14	
AF-06	11/16"X16	11/16"X16	11/16"X16	9.25X1.78	9.25X1.78	9.25X1.78	27	27	27	19	
AF-08	13/16"X16	13/16"X16	13/16"X16	12.42X1.78	12.42X1.78	12.42X1.78	31	31	31	22	
AF-10	1"X14	1"X14	1"X14	15.6X1.78	15.6X1.78	15.6X1.78	36.5	36.5	36.5	27	
AF-12	1.3/16"X12	1.3/16"X12	1.3/16"X12	18.77X1.78	18.77X1.78	18.77X1.78	40.3	40.3	40.3	30	
AF-16	1.7/16"X12	1.7/16"X12	1.7/16"X12	23.52X1.78	23.52X1.78	23.52X1.78	44.5	44.5	44.5	36	
AF-20	1.11/16"X12	I.11/16"X12	1.11/16"X12	29.87X1.78	29.87X1.78	29.87X1.78	47.5	47.5	47.5	41	
AF-24	2"X12	2"X12	2"X12	37.82X1.78	37.82X1.78	37.82X1.78	53.5	53.5	53.5	50	

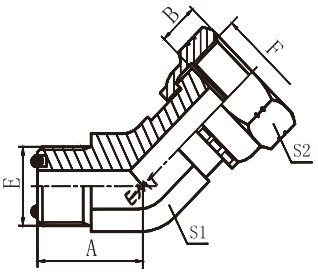


2F

ORFS MALE O-RING /ORFS FEMALE

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E		A	B	L	S1	S2
2F-04	9/16″X18	9/16″X18	7.65X1.78		10	8.5	31.3	17	19
2F-04-06	9/16″X18	11/16″X16	7.65X1.78		10	10	34.5	17	22
2F-04-08	9/16″X18	13/16″X16	7.65X1.78		10	11	36.5	19	27
2F-04-10	9/16″X18	1″X14	7.65X1.78		10	13.5	42.5	24	30
2F-04-12	9/16″X18	1.3/16″X12	7.65X1.78		10	15	46	30	36
2F-06	11/16″X16	11/16″X16	9.25X1.78		11.2	10	35.7	19	22
2F-06-08	11/16″X16	13/16″X16	9.25X1.78		11.2	11	37.7	19	27
2F-06-10	11/16″X16	1″X14	9.25X1.78		11.2	13.5	43.7	24	30
2F-06-12	11/16″X16	1.3/16″X12	9.25X1.78		11.2	15	47.2	30	36
2F-08	13/16″X16	13/16″X16	12.42X1.78		13	11	41.5	22	27
2F-08-10	13/16″X16	1″X14	12.42X1.78		13	13.5	45.5	24	30
2F-08-12	13/16″X16	1.3/16″X12	12.42X1.78		13	15	49	30	36
2F-08-16	13/16″X16	1.7/16″X12	12.42X1.78		13	15	52	36	41
2F-10-12	1″X14	1.3/16″X12	15.6X1.78		15.5	15	51.5	30	36
2F-10-16	1″X14	1.7/16″X12	15.6X1.78		15.5	15	56	36	41
2F-12-16	1.3/16″X12	1.7/16″X12	18.77X1.78		17	15	58	36	41
2F-12-20	1.3/16″X12	1.11/16″X12	18.77X1.78		17	15	57.5	41	50
2F-16-20	1.7/16″X12	1.11/16″X12	23.52X1.78		17.5	15	58	41	50
2F-16-24	1.7/16″X12	2″X12	23.52X1.78		17.5	16	61.5	50	60
2F-20-16	1.11/16″X12	1.7/16″X12	29.87X1.78		17.5	15	58.5	46	41
2F-20-24	1.11/16″X12	2″X12	29.87X1.78		17.5	16	61.5	50	60
2F-24	2″X12	2″X12	37.82X1.78		17.5	16	61.5	55	60

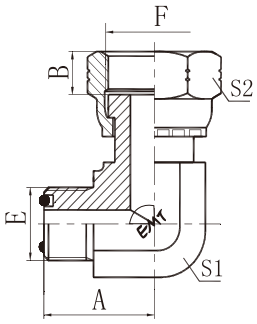
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 2F-04-SS means stainless steel adaptor.
2F-04-EE means brass adaptor.



2F4

45° ELBOW ORFS MALE O-RING /ORFS FEMALE

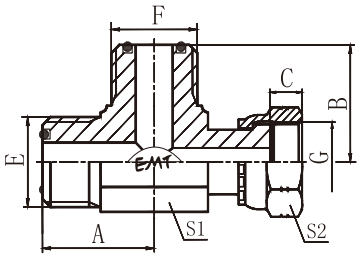
PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E		A	B	S1	S2	
2F4-04	9/16X18	9/16X18	7.65X1.78		18.3	8.5	14	19	
2F4-06	11/16"X16	11/16"X16	9.25X1.78		20.5	10	19	22	
2F4-08	13/16"X16	13/16"X16	12.42X1.78		24	11	22	27	
2F4-10	1"X14	1"X14	15.6X1.78		28	15	27	30	
2F4-12	1.3/16"X12	1.3/16"X12	18.77X1.78		30.7	15	30	36	
2F4-16	1.7/16"X12	1.7/16"X12	23.52X1.78		33	15	36	41	
2F4-20	1.11/16"X12	1.11/16"X12	29.87X1.78		35.5	15	41	50	



2F9

90° ELBOW ORFS MALE O-RING /ORFS FEMALE

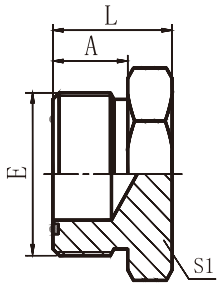
PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E		A	B	S1	S2	
2F9-04	9/16X18	9/16X18	7.65X1.78		23	8.5	14	19	
2F9-06	11/16"X16	11/16"X16	9.25X1.78		27.5	10	19	22	
2F9-08	13/16"X16	13/16"X16	12.42X1.78		31	11	22	27	
2F9-10	1"X14	1"X14	15.6X1.78		36.5	15	27	30	
2F9-12	1.3/16"X12	1.3/16"X12	18.77X1.78		41	15	30	36	
2F9-16	1.7/16"X12	1.7/16"X12	23.52X1.78		48	15	41	41	
2F9-20	1.11/16"X12	1.11/16"X12	29.87X1.78		47.5	15	41	50	



CF

ORFS MALE O-RING /ORFS FEMALE RUN TEE

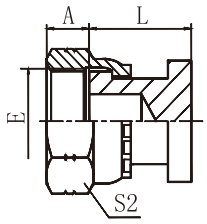
PART NO.	THREAD			O-RING		DIMENSIONS				
	E	F	G	E	F	A	B	C	S1	S2
CF-04	9/16″X18	9/16″X18	9/16″X18	7.65X1.78	7.65X1.78	23	23	8.5	14	19
CF-06	11/16″X16	11/16″X16	11/16″X16	9.25X1.78	9.25X1.78	27.5	27.5	10	19	22
CF-08	13/16″X16	13/16″X16	13/16″X16	12.42X1.78	12.42X1.78	31	31	11	22	27
CF-10	1″X14	1″X14	1″X14	15.6X1.78	15.6X1.78	36.5	36.5	13.5	27	30
CF-12	1.3/16″X12	1.3/16″X12	1.3/16″X12	18.77X1.78	18.77X1.78	42	42	15	33	36
CF-16	1.7/16″X12	1.7/16″X12	1.7/16″X12	23.52X1.78	23.52X1.78	48	48	15	41	41
CF-20	1.11/16″X12	1.11/16″X12	1.11/16″X12	29.87X1.78	29.87X1.78	47.5	47.5	15	41	50



4F

ORFS MALE O-RING PLUG

PART NO.	THREAD		O-RING		DIMENSIONS				
	E		E		A	L	S1		
4F-04	9/16″X18		7.65X1.78		9.8	16.8	17		
4F-06	11/16″X16		9.25X1.78		11.2	19.2	19		
4F-08	13/16″X16		12.42X1.78		12.8	21.8	22		
4F-10	1″X14		15.6X1.78		15.5	25.9	27		
4F-12	1.3/16″X12		18.77X1.78		17	27.4	32		
4F-16	1.7/16″X12		23.52X1.78		17.5	27.9	38		
4F-20	1.11/16″X12		29.87X1.78		17.5	27.9	46		
4F-24	2″X12		37.82X1.78		17.5	27.9	55		

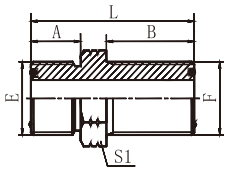


9F

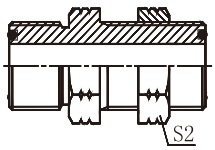
ORFS FEMALE FLAT PLUG

PART NO.	THREAD				DIMENSIONS				
	E				A	L	S2		
9F-04	9/16"X18				8.5	10.5	19		
9F-06	11/16"X16				10	13	22		
9F-08	13/16"X16				11	14	27		
9F-10	1"X14				13.5	16	30		
9F-12	1.3/16"X12				15	15	36		
9F-16	1.7/16"X12				15	18	41		
9F-20	1.11/16"X12				15	19	50		
9F-24	2"X12				16	21	60		

Note:All the part No.above are in carbon steel.If ordering stainless steel adaptor,please suffix "SS". And suffix "EE" for ordering brass adaptor. For example: 9F-04-SS means stainless steel adaptor. 9F-04-EE means brass adaptor.



6F



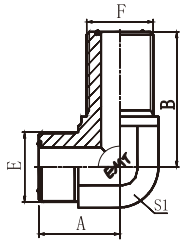
6F-LN

6F

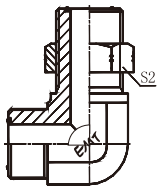
ORFS MALE O-RING BULKHEAD

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E	F	A	B	L	S1	S2
6F-04	9/16″X18	9/16″X18	7.65X1.78	7.65X1.78	9.8	31.5	48.2	22	22
6F-06	11/16″X16	11/16″X16	9.25X1.78	9.25X1.78	11.2	34	53.2	27	27
6F-08	13/16″X16	13/16″X16	12.42X1.78	12.42X1.78	12.8	36.5	58.3	30	30
6F-10	1″X14	1″X14	15.6X1.78	15.6X1.78	15.5	40.6	66.6	36	36
6F-12	1.3/16″X12	1.3/16″X12	18.77X1.78	18.77X1.78	17	41.7	69.2	38	38
6F-16	1.7/16″X12	1.7/16″X12	23.52X1.78	23.52X1.78	17.5	42.2	70.2	46	46
6F-20	1.11/16″X12	1.11/16″X12	29.87X1.78	29.87X1.78	17.5	42.2	70.2	50	50
6F-24	2″X12	2″X12	37.82X1.78	37.82X1.78	17.5	42.2	70.2	60	60

Note: In case if you are interested to order the adapter in complete set with lock nut , it is necessary to insert suffix "LN" after our part no.,for example 6F-16LN。



6F9

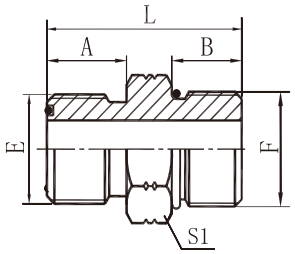


6F9-LN

90° ELBOW ORFS MALE O-RING BULKHEAD

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E	F	A	B	S1	S2	
6F9-04	9/16″X18	9/16″X18	7.65X1.78	7.65X1.78	23	47	14	22	
6F9-06	11/16″X16	11/16″X16	9.25X1.78	9.25X1.78	27.5	52	19	27	
6F9-08	13/16″X16	13/16″X16	12.42X1.78	12.42X1.78	31	57.5	22	30	
6F9-10	1″X14	1″X14	15.6X1.78	15.6X1.78	36.5	64	27	36	
6F9-12	1.3/16″X12	1.3/16″X12	18.77X1.78	18.77X1.78	41	67.2	30	38	
6F9-16	1.7/16″X12	1.7/16″X12	23.52X1.78	23.52X1.78	44.5	71.2	36	46	
6F9-20	1.11/16″X12	1.11/16″X12	29.87X1.78	29.87X1.78	47.5	75.5	41	50	
6F9-24	2″X12	2″X12	37.82X1.78	37.82X1.78	53.5	79.5	50	60	

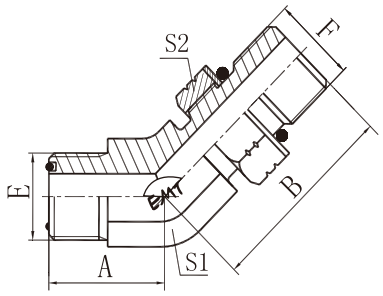
Note: In case if you are interested to order the adapter in complete set with lock nut , it is necessary to insert suffix "LN" after our part no.,for example 6F-16LN。



1FO

ORFS MALE O-RING
SAE O-RING BOSS S-SERIES ISO 11926-2

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E	F	A	B	L	S1	
1FO-04	9/16″X18	7/16″X20	7.65X1.78	8.92X1.83	9.8	11	28.7	17	
1FO-04-05	9/16″X18	1/2″X20	7.65X1.78	10.52X1.83	9.8	11	28.7	17	
1FO-04-06	9/16″X18	9/16″X18	7.65X1.78	11.89X1.98	9.8	12	29.5	17	
1FO-04-08	9/16″X18	3/4″X16	7.65X1.78	16.36X2.21	9.8	14	33.5	22	
1FO-06	11/16″X16	9/16″X18	9.25X1.78	11.89X1.98	11.2	12	31.9	19	
1FO-06-04	11/16″X16	7/16″X20	9.25X1.78	8.92X1.83	11.2	11	31	19	
1FO-06-05	11/16″X16	1/2″X20	9.25X1.78	10.52X1.83	11.2	11	30.9	19	
1FO-06-08	11/16″X16	3/4″X16	9.25X1.78	16.36X2.21	11.2	14	35	22	
1FO-06-10	11/16″X16	7/8″X14	9.25X1.78	19.18X2.46	11.2	16	38.5	27	
1FO-08	13/16″X16	3/4″X16	12.42X1.78	16.36X2.21	12.8	14	36.6	22	
1FO-08-06	13/16″X16	9/16″X18	12.42X1.78	11.89X1.98	12.8	12	34.5	22	
1FO-08-10	13/16″X16	7/8″X14	12.42X1.78	19.18X2.46	12.8	16	40.5	27	
1FO-08-12	13/16″X16	1.1/16″X12	12.42X1.78	23.47X2.95	12.8	18.5	44.5	32	
1FO-08-16	13/16″X16	1.5/16″X12	12.42X1.78	29.74X2.95	12.8	18.5	44.5	38	
1FO-10	1″X14	7/8″X14	15.6X1.78	19.18X2.46	15.5	16	43.1	27	
1FO-10-08	1″X14	3/4″X16	15.6X1.78	16.36X2.21	15.5	14	41	27	
1FO-10-12	1″X14	1.1/16″X12	15.6X1.78	23.47X2.95	15.5	18.5	47	32	
1FO-10-14	1″X14	1.3/16″X12	15.6X1.78	26.62X2.95	15.5	18.5	47	36	
1FO-10-16	1″X14	1.5/16″X12	15.6X1.78	29.74X2.95	15.5	18.5	48.3	38	
1FO-12	1.3/16″X12	1.1/16″X12	18.77X1.78	23.47X2.95	17	18.5	48.6	32	
1FO-12-08	1.3/16″X12	3/4″X16	18.77X1.78	16.36X2.21	17	14	44	32	
1FO-12-10	1.3/16″X12	7/8″X14	18.77X1.78	19.18X2.46	17	16	46	32	
1FO-12-16	1.3/16″X12	1.5/16″X12	18.77X1.78	29.74X2.95	17	18.5	49.8	38	
1FO-16	1.7/16″X12	1.5/16″X12	23.52X1.78	29.74X2.95	17.5	18.5	50.3	38	
1FO-16-12	1.7/16″X12	1.1/16″X12	23.52X1.78	23.47X2.95	17.5	18.5	50	38	
1FO-16-14	1.7/16″X12	1.3/16″X12	23.52X1.78	26.62X2.95	17.5	18.5	50	38	
1FO-16-20	1.7/16″X12	1.5/8″X12	23.52X1.78	37.46X3.00	17.5	18.5	52	50	
1FO-20	1.11/16″X12	1.5/8″X12	29.87X1.78	37.46X3.00	17.5	18.5	52.3	50	
1FO-20-16	1.11/16″X12	1.5/16″X12	29.87X1.78	29.74X2.95	17.5	18.5	52	46	
1FO-20-24	1.11/16″X12	1.7/8″X12	29.87X1.78	43.69X3.00	17.5	18.5	52	55	
1FO-24	2″X12	1.7/8″X12	37.82X1.78	43.69X3.00	17.5	18.5	54.1	55	
1FO-24-20	2″X12	1.5/8″X12	37.82X1.78	37.46X3.00	17.5	18.5	54.1	55	

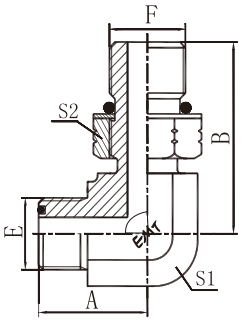


1F04-0G

45° ELBOW ORFS MALE O-RING/ SAE O-RING BOSS S-SERIES ISO 11926-2

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E	F	A	B	S1	S2	
1F04-040G	9/16″X18	7/16″X20	7.65X1.78	8.92X1.83	18.3	26	14	17	
1F04-04-060G	9/16″X18	9/16″X18	7.65X1.78	11.89X1.98	18.3	28	14	19	
1F04-06-040G	11/16″X16	7/16″X20	9.25X1.78	8.92X1.83	20.5	27.3	19	17	
1F04-06-080G	11/16″X16	3/4″X16	9.25X1.78	16.36X2.21	20.5	32.5	19	24	
1F04-060G	11/16″X16	9/16″X18	9.25X1.78	11.89X1.98	20.5	29.5	19	19	
1F04-08-060G	13/16″X16	9/16″X18	12.42X1.78	11.89X1.98	24	30.8	22	19	
1F04-080G	13/16″X16	3/4″X16	12.42X1.78	16.36X2.21	24	34	22	24	
1F04-08-100G	13/16″X16	7/8″X14	12.42X1.78	19.18X2.46	24	39.5	22	27	
1F04-08-120G	13/16″X16	1.1/16″X12	12.42X1.78	23.47X2.95	25.5	44	27	32	
1F04-10-080G	1″X14	3/4″X16	15.6X1.78	16.36X2.21	28	34	27	24	
1F04-100G	1″X14	7/8″X14	15.6X1.78	19.18X2.46	28	41.5	27	27	
1F04-10-120G	1″X14	1.1/16″X12	15.6X1.78	23.47X2.95	28	44	27	32	
1F04-12-100G	1.3/16″X12	7/8″X14	18.77X1.78	19.18X2.46	31.5	43.3	33	27	
1F04-120G	1.3/16″X12	1.1/16″X12	18.77X1.78	23.47X2.95	31.5	46	33	32	
1F04-12-160G	1.3/16″X12	1.5/16″X12	18.77X1.78	29.74X2.95	32.5	47.9	36	41	
1F04-16-120G	1.7/16″X12	1.1/16″X12	23.52X1.78	23.47X2.95	33	47.9	36	32	
1F04-160G	1.7/16″X12	1.5/16″X12	23.52X1.78	29.74X2.95	33	47.9	36	41	
1F04-20-240G	1.11/16″X12	1.7/8″X12	29.87X1.78	43.69X3.00	38	51.5	48	55	
1F04-200G	1.11/16″X12	1.5/8″X12	29.87X1.78	37.46X3.00	35.5	48.8	41	50	
1F04-240G	2″X12	1.7/8″X12	37.82X1.78	43.69X3.00	39	53.5	50	55	

Note:1 F end is connected with ISO11926-1 port.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 1F04-040G-SS means stainless steel adaptor. 1F04-040G-EE means brass adaptor.

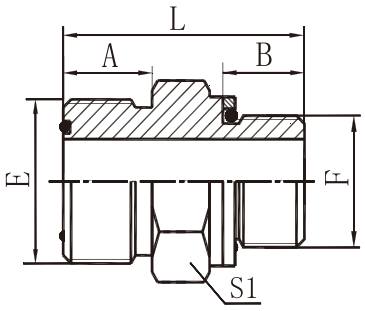


1F09-0G

90° ELBOW ORFS MALE O-RING/ SAE O-RING BOSS S-SERIES ISO 11926-2

PART NO.	THREAD		O-RING		DIMENSIONS				
	E	F	E	F	A	B	S1	S2	
1F09-040G	9/16"X18	7/16"X20	7.65X1.78	8.92X1.83	23	30.3	14	17	
1F09-04-060G	9/16"X18	9/16"X18	7.65X1.78	11.89X1.98	23	32	14	19	
1F09-04-080G	9/16"X18	3/4"X16	7.65X1.78	16.36X2.21	25.5	38	19	24	
1F09-060G	11/16"X16	9/16"X18	9.25X1.78	11.89X1.98	27.5	34.5	19	19	
1F09-06-040G	11/16"X16	7/16"X20	9.25X1.78	8.92X1.83	27.5	33.5	19	17	
1F09-06-080G	11/16"X16	3/4"X16	9.25X1.78	16.36X2.21	27.5	38	19	24	
1F09-06-100G	11/16"X16	7/8"X14	9.25X1.78	19.18X2.46	29	44	22	27	
1F09-06-120G	11/16"X16	1.1/16"X12	9.25X1.78	23.47X2.95	32	51	27	32	
1F09-080G	13/16"X16	3/4"X16	12.42X1.78	16.36X2.21	31	40.5	22	24	
1F09-08-060G	13/16"X16	9/16"X18	12.42X1.78	11.89X1.98	31	37	22	19	
1F09-08-100G	13/16"X16	7/8"X14	12.42X1.78	19.18X2.46	31	45.3	22	27	
1F09-08-120G	13/16"X16	1.1/16"X12	12.42X1.78	23.47X2.95	34.5	52	27	32	
1F09-100G	1"X14	7/8"X14	15.6X1.78	19.18X2.46	36.5	50.8	27	27	
1F09-10-060G	1"X14	9/16"X18	15.6X1.78	11.89X1.98	36.5	41	27	19	
1F09-10-080G	1"X14	3/4"X16	15.6X1.78	16.36X2.21	36.5	45	27	24	
1F09-10-120G	1"X14	1.1/16"X12	15.6X1.78	23.47X2.95	36.5	52	27	32	
1F09-120G	1.3/16"X12	1.1/16"X12	18.77X1.78	23.47X2.95	41	54	30	32	
1F09-12-080G	1.3/16"X12	3/4"X16	18.77X1.78	16.36X2.21	40.3	45	30	24	
1F09-12-100G	1.3/16"X12	7/8"X14	18.77X1.78	19.18X2.46	41	52.8	30	27	
1F09-12-160G	1.3/16"X12	1.5/16"X12	18.77X1.78	29.74X2.95	43	55.5	33	41	
1F09-160G	1.7/16"X12	1.5/16"X12	23.52X1.78	29.74X2.95	48	60	41	41	
1F09-16-120G	1.7/16"X12	1.1/16"X12	23.52X1.78	23.47X2.95	48	60	41	32	
1F09-200G	1.11/16"X12	1.5/8"X12	29.87X1.78	37.46X3.00	47.5	60.5	41	50	
1F09-20-240G	1.11/16"X12	1.7/8"X12	29.87X1.78	43.69X3.00	51.5	66.5	48	55	
1F09-24-200G	2"X12	1.5/8"X12	37.82X1.78	37.46X3.00	53.5	67.5	50	50	
1F09-240G	2"X12	1.7/8"X12	37.82X1.78	43.69X3.00	53.5	67.5	50	55	

Note:1 F end is connected with ISO11926-1 port.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix "SS". And suffix "EE" for ordering brass adaptor. For example: 1F09-040G-SS means stainless steel adaptor. 1F09-040G-EE means brass adaptor.

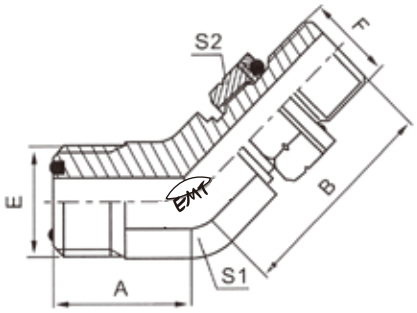


1FG

ORFS MALE O-RING/BSP MALE O-RING

PART NO.	THREAD		O RING		DIMENSIONS			
	E	F	E	F	A	B	L	S1
1FG-04-02	9/16″x18	G1/8″x28	7.65X1.78	7.65X1.78	10	9.5	27.4	17
1FG-04	9/16″X18	G1/4″X19	7.65X1.78	10.77X2.62	10	10	26	19
1FG-04-06	9/16″X18	G3/8″X19	7.65X1.78	13.94X2.62	10	11.5	29.5	22
1FG-06	11/16″X16	G3/8″X19	9.25X1.78	13.94X2.62	11.2	11.5	30.5	22
1FG-06-04	11/16'X16	G1/4″X19	9.25X1.78	10.77X2.62	11.2	10	27.5	19
1FG-06-08	11/16″X16	G1/2″X14	9.25X1.78	17.12X2.62	11.2	14	35.5	27
1FG-08	13/16″X16	G1/2″X14	12.42X1.78	17.12X2.62	13	14	37	27
1FG-08-06	13/16″X16	G3/8″X19	12.42X1.78	13.94X2.62	13	11.5	32.5	22
1FG-08-12	13/16″X16	G3/4″X14	12.42X1.78	23.47X2.62	13	15.5	39.5	32
1FG-10-06	1″X14	G3/8″X19	15.6X1.78	13.94X2.62	15.5	11.5	37	22
1FG-10-08	1″x14	G1/2″x14	15.6X1.78	17.12X2.62	15.5	14	41.1	27
1FG-10-12	1″X14	G3/4″X14	15.6X1.78	23.47X2.62	15.5	15.5	42	32
1FG-12-08	1.3/16″X12	G1/2″X14	18.77X1.78	17.12X2.62	17	14	42	27
1FG-12	1.3/16″x12	G3/4″x14	18.77X1.78	23.47X2.62	17	15.5	45.6	32
1FG-12-16	1.3/16″X12	G1″X11	18.77X1.78	29.74X3.53	17	18	48	41
1FG-16	1.7/16″X12	G1″X11	23.52X1.78	29.74X3.53	17.5	18	48.5	41
1FG-20	1.11/16″X12	G1.1/4″X11	29.87X1.78	37.69X3.53	17.5	20	52.5	50
1FG-20-16	1.11/16″X12	G1″X11	29.87X1.78	29.74X3.53	17.5	18	48.5	46
1FG-24	2″x12	G1.1/2″x11	37.82X1.78	44.04X3.53	17.5	21.5	57.1	55

注：以上代号均为碳钢接头，若想订购不锈钢接头，请在代号后面加上“SS”，若想订购铜接头，请在代号后面加上“EE”。
如1FG-04-SS表示材质为不锈钢， 1FG-04-EE表示材质为铜
Note: All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” . And suffix “EE” for ordering brass adaptor. For example: 1FG-04-SS means stainless steel adaptor. 1FG-04-EE means brass adaptor.

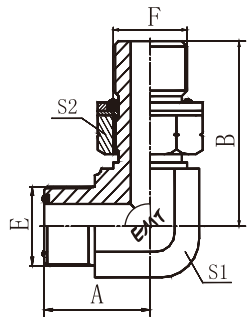


1FG4-OG

45° ELBOW ORFS MALE O-RING/BSP MALE O-RING

PART NO.	THREAD		O-RING		DIMENSIONS			
	E	F	E	F	A	B	S1	S2
1FG4-040G	9/16″X18	G1/4″X19	0011	0111	18.3	27	14	19
1FG4-04-020G	9/16″X18	G1/8″X28	0011	0011	18.3	24.8	14	14
1FG4-04-060G	9/16″X18	G3/8″X19	0011	0113	18	30	16	22
1FG4-060G	11/16″X16	G3/8″X19	0012	0113	20.5	31	19	22
1FG4-06-040G	11/16″X16	G1/4″X19	0012	0011	20.5	28	19	19
1FG4-06-080G	11/16″X16	G1/2″X14	0012	0015	22	36	22	27
1FG4-080G	13/16″X16	G1/2″X14	0014	0115	24	36	22	27
1FG4-08-060G	13/16″X16	G3/8″X19	0014	0113	24	32	22	22
1FG4-10-080G	1″X14	G1/2″X14	0016	0115	28	37 5	27	27
1FG4-10-120G	1″X14	G3/4″X14	0016	0119	28	42	27	32
1FG4-120G	1.3/16″X12	G3/4″X14	0018	0119	30.7	42.5	30	32
1FG4-12-080G	1.3/16″X12	G1/2″X14	0018	0119	30.7	38.5	30	27
1FG4-12-160G	1.3/16″X12	G1″X11	0018	0217	31.5	44	33	41
1FG4-160G	1.7/16″X12	G1″X11	0021	0217	33	44.5	36	41
1FG4-16-120G	1.7/16″X12	G3/4″X14	0021	0119	33	44.5	36	32
1FG4-200G	1.11/16″X12	G1.1/4″X11	0025	0222	35.5	47.5	41	50

Note:1 F end is connected with DIN 3852 port.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS”. And suffix “EE” for ordering brass adaptor. For example: 1FG4-040G-SS means stainless steel adaptor. 1FG4-040G-EE means brass adaptor.



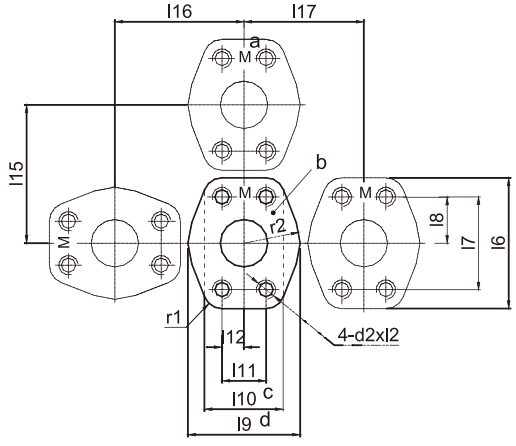
1FG9-OG

90° ELBOW ORFS MALE O-RING/BAP MALE O-RING

PART NO.	THREAD		O RING		DIMENSIONS			
	E	F	E	F	A	B	S1	S2
1FG9-040G	9/16″X18	G1/4″X19	7.65X1.78	10.77X2.62	23	31.3	14	19
1FG9-04-020G	9/16″X18	G1/8″X28	7.65X1.78	7.65X1.78	23	29	14	14
1FG9-04-060G	9/16″X18	G3/8″X19	7.65X1.78	13.94X2.62	24	35.8	16	22
1FG9-060G	11/16″X16	G3/8″X19	9.25X1.78	13.94X2.62	27	36.8	19	22
1FG9-06-040G	11/16″X16	G1/4″X19	9.25X1.78	10.77X2.62	27	33.5	19	19
1FG9-06-080G	11/16″X16	G1/2″X14	9.25X1.78	17.12X2.62	29	43.2	22	27
1FG9-080G	13/16″X16	G1/2″X14	12.42X1.78	17.12X2.62	31	43.2	22	27
1FG9-08-060G	13/16″X16	G3/8″X19	12.42X1.78	13.94X2.62	31	39.5	22	22
1FG9-10-060G	1″X14	G3/8″X19	15.6X1.78	13.94X2.62	36.5	42.5	27	22
1FG9-10-080G	1″X14	G1/2″X14	15.6X1.78	17.12X2.62	36.5	46.5	27	27
1FG9-10-120G	1″X14	G3/4″X14	15.6X1.78	23.47X2.62	36.5	49.3	27	32
1FG9-120G	1.3/16″X12	G3/4″X14	18.77X1.78	23.47X2.62	40.3	52	30	32
1FG9-12-080G	1.3/16″X12	G1/2″X14	18.77X1.78	17.12X2.62	40.3	48.5	30	27
1FG9-12-160G	1.3/16″X12	G1″X11	18.77X1.78	29.74X3.53	42.5	53	33	41
1FG9-160G	1.7/16″X12	G1″X11	23.52X1.78	29.74X3.53	44.5	56	36	41
1FG9-16-120G	1.7/16″X12	G3/4″X14	23.52X1.78	23.47X2.62	44.5	56	36	32
1FG9-16-200G	1.7/16″X12	G1.1/4″X11	23.52X1.78	37.69X3.53	47.6	58	41	50

Note:1 F end is connected with DIN 3852 port.
2 All the part No. above are in carbon steel. If ordering stainless steel adaptor, please suffix “SS” .
And suffix “EE” for ordering brass adaptor. For example: 1FG4-040G-SS means stainless steel adaptor.
1FG4-040G-EE means brass adaptor. Note:F end is connected with DIN3852 port.

8 ISO 6162 Flange Port



a Metric Thread Port Mark.
b Ra3.2 Port Roughness Ra3.2.
c Flange Washer Min. width.
d Recommended Flange Washer Width.

ISO 6162-1、ISO 6162-2 Flange Port
ISO 6162-1 Flange Port Dimensions（3.5MPa—35MPa）

Flange Size		d2	l2 min.	l6 max.	l6 min.	l7 ±0.25	l8 ±0.25	l9 ±0.8	l10 min.	l11 ±0.25	l12 ±0.25	l15 min.	l16 min.	l17 min.	r1 ±0.4	r2 ±0.8
-08	1/2”	M8	14	54.9	53.1	38.1	19.05	46	33	17.5	8.75	56	52	49	8	23
-12	3/4”	M10	18	65.8	64.3	47.6	23.8	52	41	22.3	11.15	68	61	55	9	26
-16	1”	M10	18	70.6	69.1	52.4	26.2	59	48	26.2	13.1	72	67	61	9	29
-20	1.1/4”	M10	22	80.3	78.5	58.7	29.35	73	54	30.2	15.1	82	78	75	10	37
-24	1.1/2”	M12	22	94.5	93.0	69.9	34.95	83	64	35.7	17.85	96	90	85	12	41
-32	2”	M12	22	103.1	100.1	77.8	38.9	97	76	42.9	21.45	104	102	99	12	49

ISO 6162-2 Flange Port Dimensions（35MPa—40MPa）

Flange Size		d2	l2 min.	l6 max.	l6 min.	l7 ±0.25	l8 ±0.25	l9 ±0.8	l10 min.	l11 ±0.25	l12 ±0.25	l15 min.	l16 min.	l17 min.	r1 ±0.4	r2 ±0.8
-08	1/2”	M8	16	57.2	55.6	40.5	20.25	48	38	18.2	9.1	59	56	53	8	24
-12	3/4”	M10	18	72.1	70.6	50.8	25.4	60	48	23.8	11.9	75	70	66	10	30
-16	1”	M12	23	81.8	80.3	57.2	28.6	70	54	27.8	13.9	84	80	75	12	35
-20	1.1/4”	M12	20	96.0	94.5	66.6	33.3	78	60	31.8	15.9	99	90	83	14	39
-24	1.1/2”	M16	27	114.3	111.3	79.3	39.65	95	70	36.5	18.25	116	108	101	17	48
-32	2”	M20	35	134.9	131.8	96.8	48.4	114	86	44.5	22.25	137	128	120	18	57

BITE TYPE TUBE FITTINGS INSTRUCTIONS

Bite type fitting consists of three parts: body, cutting ring and nut. When tightening nut, cutting ring is driven forward on the tube then bites the tube with the edge of cutting ring, this is how sealing is achieved and results in internal ridge inside the tube. See Fig-1.

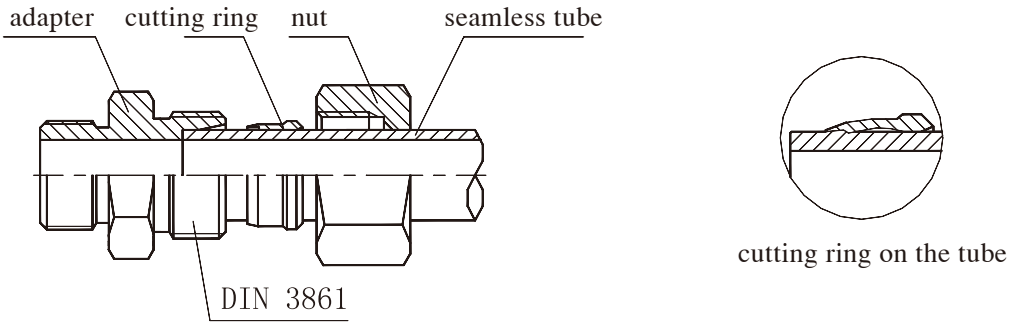


图 1

The tube connection side of fitting is manufactured in accordance with standard: DIN 3861.
In general, body and nuts' surface is plated zinc. Bite type fitting can be used in system with Max 63MPa. The connection tube OD is Max 42mm.

BITE TYPE TUBE FITTINGS ASSEMBLY INSTRUCTIONS

ASSEMBLY

1 Cut the tube at right angle and de-burr inside and outside of tube end. Minimum straight length of tube from the starting point of tube bend to the tube end may be 3 times height of the nut.

2 Set a nut and cutting ring on the tube. Make sure the cutting ring and the nut are facing the fitting.

3 Lubricate fitting threads and cutting ring. Insert tube end into fitting body until it is firmly seated on bottom (fitting shoulder) and hand-tighten the nut.

4 Using a wrench to tighten nut 1-1/2 circles. (If the pipe wall is thin, nut should be tighten more.)

Reassembly

Fitting can be used many times. To ensure this, parts must be clean and free of defects.

1 Insert the tube into fitting body until cutting ring seats firmly in the fitting and hand-tighten the nut.

2 Tighten the nut with a wrench by holding the fitting body with a backup wrench until a sharp rise in torque is felt. Further tighten the nut 1/4 to 1/2 turn.

Checking up the bite condition

All bite type fitting must be disassembled prior to service to check up if small ridge inside the tube is completely formed around front edge of cutting ring. Otherwise tighten slightly more to have it. Cutting ring may rotate on the tube that doesn't mean wrong installation. The cutting ring shall be refitted once the nut is retightened.

Leakage reason

In most cases, leakage problem occurs:

1 When the tube is not fully bottomed

2 When the nut is not tightened enough

3 When the tube is of scratches or oval

4 When the tube is extremely hard

Ordering Part No.

For Example: Straight or Elbow

1CH	–	30	–	27	RN
①		②		④	⑤

Tee

AC	–	22	–	18	–	18	RN
①		②		③		④	⑤

① Fittings series No. Detailed information, please find in every page.

② Left Thread Dash. Detailed information in Form 1

③ Middle Thread Dash for the Tee, Detailed information in Form 1

④ Right Thread Dash. Detailed information in Form 1

⑤ Do not Suffix "RN", it mean to only order the adapter body. If Suffix" RN", mean to order the complete set with cutting ring and nut. If Part No. of adapter you need not in our catalogue, please send us the drawing or your description.

Form 1 Thread Dash

BSPP	G1/8" x28	G1/4" x19	--	G3/8" x19	G1/2" x14	G5/8" x14	G3/4" x14	G1"x11	G1.1/4" x11	G1.1/2" x11	G2"x11
BSPT	R1/8"	R1/4"	--	R3/8"	R1/2"	--	R3/4"	R1"x11	R1.1/4"	R1.1/2"	R2"x11

Conversion Factor

DENOMINATION	UNIT	CONVERSION UNIT	FACTOR
LENGTH	in	mm	25.4
	mm	in	0.03937
	ft	m	0.3048
	m	ft	3.28084
AREA	in²	cm²	6.4516
	cm²	in²	0.1550
VOLUME	gal	l	4.54609
	l	gal	0.219969
	gal	l	3.78541
	l	gal	0.264172
	l	Dm³	1
MASS	lb	kg	0.453592
	kg	lb	2.204622
TORQUE	lbf.in	N.m	0.112985
	N.m	lbf.in	8.85075
PRESSURE	psi	bar	0.06895
	bar	psi	14.5038
	psi	Mpa	0.006895
	Mpa	psi	145.038
	Mpa	bar	10
	bar	Mpa	0.1
	Pa	bar	10^{-5}
	bar	Pa	10^{-5}
VELOCITY	ft/s	m/s	0.3048
	m/s	ft/s	3.28084
FLOW RATE	gal/min.	l/min.	4.54609
	l/min.	gal/min.	0.219969
	gal/min.	l/min.	3.78541
	l/min.	gal/min.	0.264172
TEMPERATURE	°F	°C	5/9*(°F-32)
	°C	°F	°C C *9/5+32

Emyte Australia Pty.Ltd.

Add: unit 6/23 Cook Road,Mitcham Victoria 3132
Tel line:+61 0398 745 266
Line 1:+61 0398 745 288
Line 2:+61 0398 745 299
fax line:+61 0398 745 277
Mail:info@emyte.com.au
Http://www.emyte.com.au

Shanghai Yimiante Hydraulic Equipment.Co.,Ltd

Factory site:No.22#.HaiYiRoad SiTuanZhen FengXian Area,Shanghai
TEL: 86-21-54313806 86-21-54313706
86-21-54313808 86-21-63510041
FAX: 86-21-63510042 86-21-54313809
Mail: sxd@yimiante.com
Http://www.yimiante.com