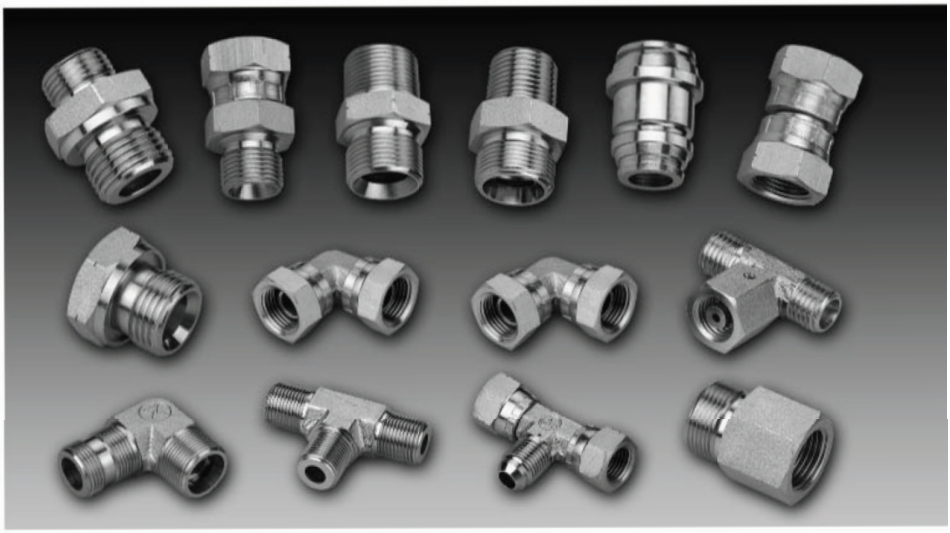
GMORS®

Seals to your heart

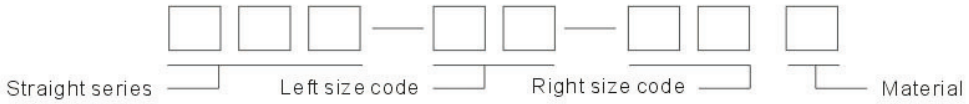
ADAPTER

Topfits



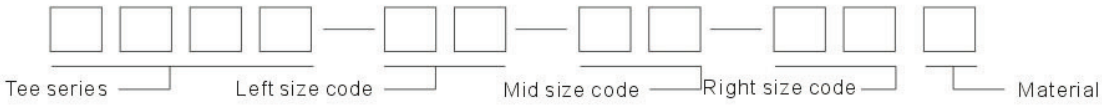
How To Order Adapter

1 Straight part NO.

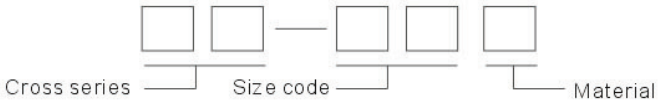


2 Elbow part NO.:Add suffix “4” for 45° elbow and suffix “9” for 90° elbow to the straight part numbe
e.g,1BG9-04OG and 1JT4-08-06SP.

3 Tee part NO.



4 Cross part NO.



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 fouth group means down.

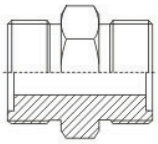
MATERIAL	CARBON STEEL	BRASS	STAINLESS STEEL
Code	------	BR	SS

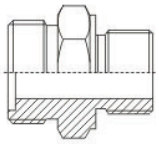
6 Size code table:

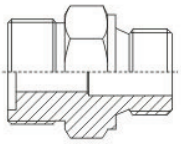
BSP THREAD	G1/8" X28	G1/4" X19	---	G3/8" X19	G1/2" X14	G5/8" X14	G3/4" X14	G1" X11	G1.1/4" X11	G1.1/2" X11	G2" X11
BSPT THREAD	R1/8" X28	R1/4" X19	---	R3/8" X19	R1/2" X14	---	R3/4" X14	R1" X11	R1.1/4" X11	R1.1/2" X11	R2" X11
NPT THREAD	Z1/8" X27	Z1/4" X18	---	Z3/8" X18	Z1/2" X14	---	G3/4" X14	Z1" X11.5	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"
SIZE CODE	02	04	05	06	08	10	12	16	20	24	32
Note:The dash of metric thread accords with the O.D. Of thread											

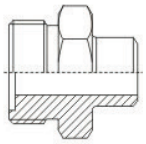
Exapmle:
If 1BG' left end thread is G1/2"X14, and right end thread is G3/4"X14, the fitting number is 1BG-08-12. If made of stainless steel, the fitting number is 1BG-08-12SS,
If AJJN' left end thread is 9/16"X18, mid end thread is 9/16"X18 and right end thread is Z1/2"X14, the fitting number is AJJN-06-06-08.

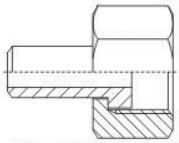
METRIC THREAD O-RING FACE SEAL ADAPTERS

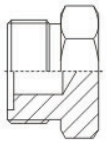
1E P136

METRIC MALE O-RING

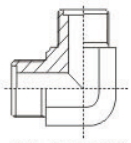
1EH P136

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

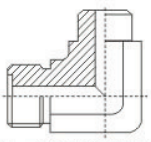
1EL P137

METRIC MALE O-RING /METRIC MALE WITH BONDED SEAL

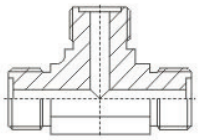
1EW P137

METRIC MALE O-RING / BUTT-WELD TUBE

2WE P138

BUTT-WELD TUBE / METRIC FEMALE O-RING

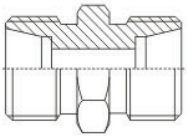
4E P138

METRIC MALE O-RING PLUG

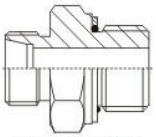
1E9 P139

90° ELBOW METRIC MALE O-RING

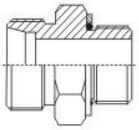
1EW9 P139

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

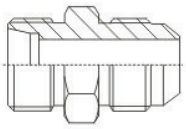
AE P140

METRIC MALE O-RING TEE

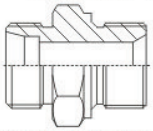
METRIC THREAD BITE TYPE TUBE ADAPTERS

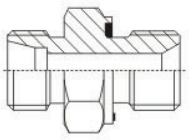
1C/1D P141

STRAIGHT FITTINGS

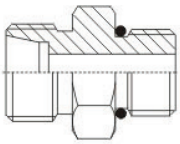
1CG/1DG P142

BSP THREAD STUD ENDS WITH O-RING SEALING

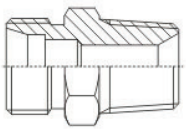
1CH/1DH P143

METRIC THREAD STUD ENDS ISO 6149

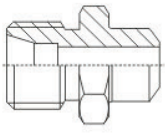
1CJ/1DJ P144

JIC 74° CONE SEALING

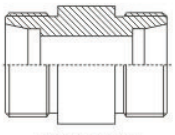
1CM/1DM P145

METRIC MALE 60° SEAT SEALING OR BONDED SEAL STUD ENDS

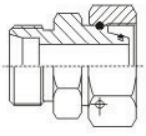
1CM-WD/1DM-WD P146

METRIC THREAD WITH CAPTIVE SEAL

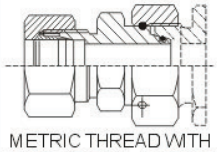
1CO/1DO P147

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

1CT-SP/1DT-SP P148

BSPT MALE

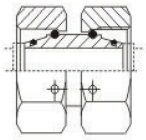
1CW/1DW P149

WELD FITTING

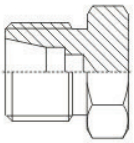
1C-Y/1D-Y P150

CYLINDER STRAIGHT BULKHEAD

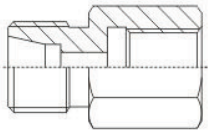
2C/2D P152

REDUCER TUBE ADAPTOR WITH SWIVEL NUT

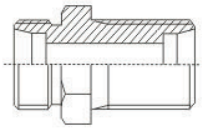
2MC-WD/2MD-WD P153

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

METRIC THREAD BITE TYPE TUBE ADAPTERS

3C/3D P154

STRAIGHT TUBE ADAPTERS WITH SWIVEL NUT

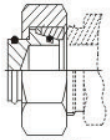
4C/4D P155

METRIC MALE 24° CONE PLUG

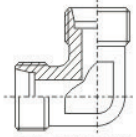
5CM/5DM P156

METRIC FEMALE

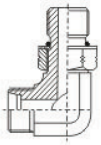
6C/6D P157

STRAIGHT BULKHEAD FITTINGS

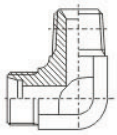
8C P158

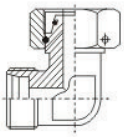
METRIC LOCK NUT

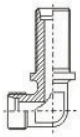
9C/9D P159

FEMALE PLUG

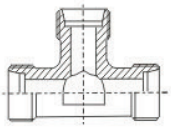
1C9/1D9 P160

90° ELBOW FITTINGS

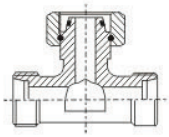
1C09-OG/1D09-OG P161

90° ELBOW UN, UNF THREAD ADJUSTABLE STUD ENDS WITH O-RING SEALING ISO 11926

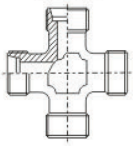
1CT9-SP/1DT9-SP P162

90° ELBOW BSPT MALE

2C9/2D9 P163

90° ELBOW REDUCER TUBE ADAPTOR WITH SWIVEL NUT

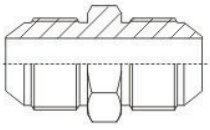
6C9/6D9 P164

90° ELBOW BULKHEAD FITTINGS

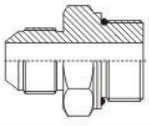
AC/AD P165

EQUAL TEES

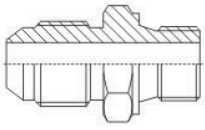
BC/BD P166

BRANCH TEE FITTINGS WITH SWIVEL NUT

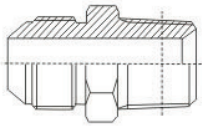
XC/XD P167

CROSS FITTINGS

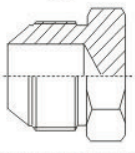
METRIC THREAD 74° CONE FLARED TUBE FITTINGS

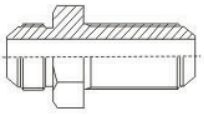
1Q P168

METRIC MALE 74° CONE

1QH P168

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

1QL P169

METRIC MALE 74° CONE / METRIC MALE WITH BONDED SEAL

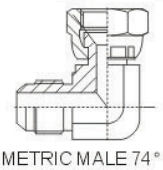
1QT-SP P170

METRIC MALE 74° CONE / BSPT MALE

4Q P171

METRIC MALE 74° CONE PLUG

6Q P172

METRIC MALE 74° CONE BULKHEAD

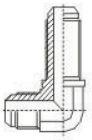
1QT9-SP P173

90° ELBOW METRIC MAEL 74° CONE / BSPT MALE

2Q9 P173

METRIC MALE 74° CONE / METRIC FEMALE 74° SEAT

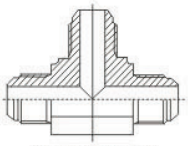
METRIC THREAD 74° CONE FLARED TUBE FITTINGS

6Q9 P174



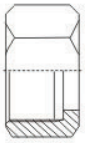
90° ELBOW METRIC MAEL 74° CONE BULKHEAD

AQ P174



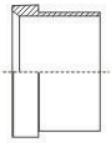
METRIC MALE 74° CONE TEE

NB200-Q P175



METRIC 74° CONE FLARED NUT GB/T 5647

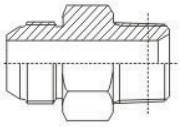
NB500-Q P175



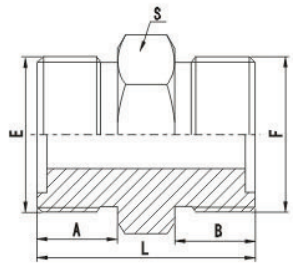
METRIC 74° CONE FLARED SLEEVE GB/T 5646

JAPANESE METRIC THREAD 60° CONE FITTINGS

1KT-SP P176



JIS METRIC MALE 60° CONE / BSPT MALE

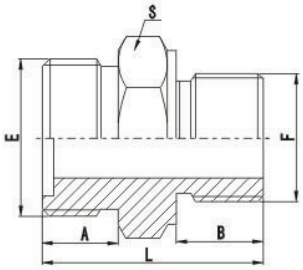


1E

METRIC MALE O-RING

PART NO.	THREAD	O-RING	DIMENSIONS			
	E、F	E、F	A	B	L	S
1E-12	M12X1.25	8X1.9	11	11	28	14
1E-14	M14X1.5	10X1.9	11	11	28	17
1E-16	M16X1.5	11X1.9	11	11	28	17
1E-18	M18X1.5	13X1.9	11	11	28	19
1E-22	M22X1.5	16X2.4	12	12	32	24
1E-27	M27X1.5	20X2.4	13	13	36	30
1E-30	M30X1.5	24X2.4	14	14	39	32
1E-36	M36X2	30X3.1	16	16	43	38
1E-39	M39X2	32X3.1	18	18	49	41
1E-42	M42X2	35X3.1	20	20	53	46
1E-45	M45X2	38X3.1	21	21	55	46
1E-52	M52X2	40X3.1	22	22	59	55
1E-60	M60X2	45X3.1	24	24	65	65
1E-64	M64X2	50X3.1	27	27	71	70

NOTE：The parameter of O-ring is ring outside diameter and ring width.

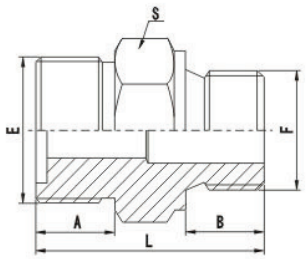


1EH

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

PART NO.	THREAD E		O-RING		DIMENSIONS			
	E	F	E	F	A	B	L	S
1EH-12-10	M12X1.25	M10X1	8X1.9	O08.1X16	11	9.5	28	14
1EH-14-12	M14X1.5	M12X1.25	10X1.9	O09.3X2.4	11	11	28	17
1EH-16-14	M16X1.5	M14X1.5	11X1.9	O11.3X2.4	11	11	28	19
1EH-18-16	M18X1.5	M16X1.5	13X1.9	O13.3X2.4	11	11.5	31.5	22
1EH-22-18	M22X1.5	M18X1.5	16X2.4	O15.3X2.4	12	12.5	34.5	24
1EH-27-22	N27X1.5	M22X1.5	20X2.4	O19.3X2.4	13	15	38	30
1EH-30-27	M30X1.5	M27X2	24X2.4	O23.5X3.0	14	18.5	43.5	32
1EH-36-33	M36X2	M33X2	30X3.1	O29.5X3.0	16	18.5	47.5	41
1EH-39-33	M39X2	M33X2	32X3.1	O29.5X3.0	18	18.5	49.5	41
1EH-42-42	M42X2	M42X2	35X3.1	O38.5X3.0	20	19	54	50
1EH-45-42	M45X2	M42X2	38X3.1	O38.5X3.0	21	19	54	50
1EH-52-48	M52X2	M48X2	40X3.1	O44.5X3.0	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.

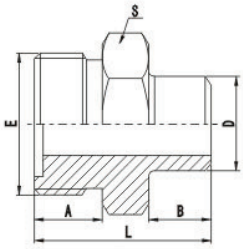


1EL

METRIC MALE O-RING/
METRIC MALE WITH BONDED SEAL

PART NO.	THREAD		SEAL		DIMENSIONS			
	E	F	E	F	A	B	L	S
1EL-14	M14X1.5	M14X1.5	10X1.9	ZHD-14	11	12	30.5	19
1EL-14-16	M14X1.5	M16X1.5	10X1.9	ZHD-16	11	12	31	22
1EL-14-18	M14X1.5	M18X1.5	10X1.9	ZHD-18	11	12	32.5	24
1EL-14-22	M14X1.5	M22X1.5	10X1.9	ZHD-22	11	14	36.5	27
1EL-16-14	M16X1.5	M14X1.5	11X1.9	ZHD-14	11	12	29	19
1EL-16-18	M16X1.5	M18X1.5	11X1.9	ZHD-16	11	12	31	24
1EL-22-18	M22X1.5	M18X1.5	16X2.4	ZHD-18	12	12	33.5	24
1EL-27-22	M27X1.5	M22X1.5	18X2.4	ZHD-22	13	14	38.5	30
1EL-27-33	M27X1.5	M33X2	18X2.4	ZHD-33	13	18	44	41
1EL-30-18	M30X1.5	M18X1.5	24X2.4	ZHD-18	14	12	38.5	32
1EL-30-27	M30X1.5	M27X2	24X2.4	ZHD-27	14	16	41	34
1EL-36-33	M36X2	M33X2	30X3.1	ZHD-33	16	18	49	41
1EL-36-48	M36X2	M48X2	30X3.1	ZHD-48	16	22	53	60
1EL-45-42	M45X2	M42X2	38X3.1	ZHD-42	21	20	56	50
1EL-52-48	M52X2	M48X2	40X3.1	ZHD-48	22	22	61	60

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

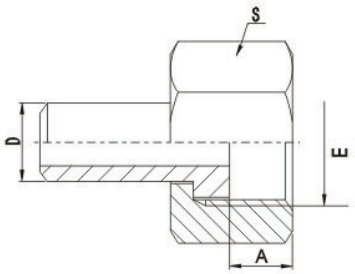


1EW

METRIC MALE O-RING/BUTT-WELD TUBE

PART NO.	THREAD	TUBE O.D.	O-RING	DIMENSIONS				
	E		E	A	B	D	L	S
1EW-12-06	M12X1.25	6	8X1.9	11	8	6	24	14
1EW-14-08	M14X1.5	8	10X1.9	11	8	8	25	17
1EW-16-10	M16X1.5	10	11X1.9	11	8	10	25	17
1EW-18-12	M18X1.5	12	13X1.9	11	12	12	29	19
1EW-22-14	M22X1.5	14	16X2.4	12	12	14	32.5	24
1EW-27-18	M27X1.5	18	20X2.4	13	12	18	35	30
1EW-30-22	M30X1.5	22	24X2.4	14	14	22	39	32
1EW-36-28	M36X2	28	30X3.1	16	16	28	43	38
1EW-39-30	M39X2	30	32X3.1	18	16	30	47	41
1EW-42-34	M42X2	34	35X3.1	20	16	34	49	46
1EW-45-38	M45X2	38	38X3.1	21	18	38	51	46
1EW-52-42	M52X2	42	40X3.1	22	18	42	55	55

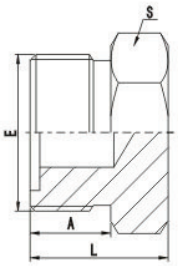
NOTE: The parameter of E end O-ring is ring outside diameter and ring width.



2WE

BUTT-WELD TUBE/METRIC FEMALE O-RING

PART NO.	THREAD	TUBE O.D.	DIMENSIONS		
	E		A	D	S
2WE-06-12	M12X1.25	6	8	6	14
2WE-08-14	M14X1.5	8	8.5	8	17
2WE-10-16	M16X1.5	10	8.5	10	19
2WE-12-18	M18X1.5	12	8.5	12	22
2WE-14-22	M22X1.5	14	10	14	27
2WE-18-27	M27X1.5	18	10	18	32
2WE-22-30	M30X1.5	22	11	22	36
2WE-28-36	M36X2	28	13	28	41
2WE-30-39	M39X2	30	13	30	46
2WE-34-42	M42X2	34	15	34	50
2WE-38-52	M45X2	38	15	38	55
2WE-42-52	M52X2	42	17	42	60
2WE-50-60	M60X2	50	20	50	70
2WE-52-64	M64X2	52	23	52	75

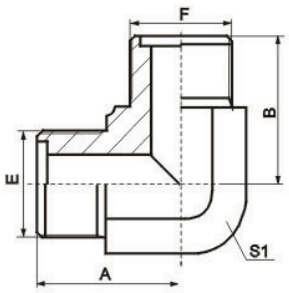


4E

METRIC MALE O-RING PLUG

PART NO.	THREAD	O-RING	DIMENSIONS		
	E	E	A	L	S
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-24	M24X1.5	18x2.4	12	21	27
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 O-ring is ring outside diameter and ring width.

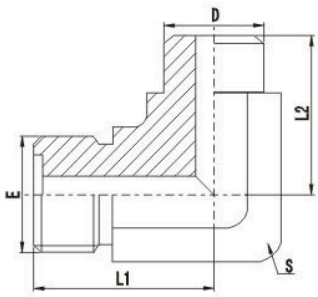


1E9

90° ELBOW METRIC MALE O-RING

PART NO.	THREAD	O-RING	DIMENSIONS		
	E、F	E、F	A	B	S1
1E9-12	M12X1.28	8X1.9	20.5	20.5	12
1E9-14	M14X1.5	10X1.9	22.5	22.5	14
1E9-16	M16X1.5	11X1.9	24	24	17
1E9-18	M18X1.5	13X1.9	26	26	19
1E9-22	M22X1.5	16X2.4	29	29	22
1E9-27	M27X1.5	20X2.4	32.5	32.5	27
1E9-30	M30X1.5	24X2.4	35.5	35.5	30
1E9-36	M36X2	30X3.1	42	42	36
1E9-39	M39X2	32X3.1	47.5	47.5	41
1E9-42	M42X2	35X3.1	49.5	49.5	41
1E9-45	M45X2	38X3.1	52.5	52.5	46
1E9-52	M52X2	40X3.1	57	57	50

NOTE: The parameter of O-ring is ring outside diameter and ring width.

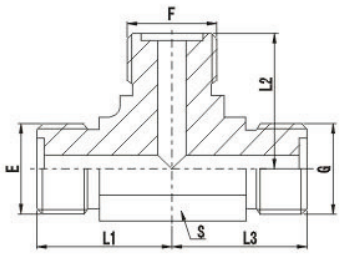


1EW9

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

PART NO.	THREAD	TUBE O.D.	O-RING	DIMENSIONS			
	E		E	L1	L2	D	S
1EW9-12-06	M12X1.25	6	8X1.9	20.5	16.5	6	12
1EW9-14-08	M14X1.5	8	10X1.9	22.5	17.5	8	14
1EW9-16-10	M16X1.5	10	11X1.9	24	19.5	10	17
1EW9-18-12	M18X1.5	12	13X1.9	26	25	12	19
1EW9-22-14	M22X1.5	14	16X2.4	29	27	14	22
1EW9-27-18	M27X1.5	18	20X2.4	32.5	29.5	18	27
1EW9-30-22	M30X1.5	22	24X2.4	35.5	33.5	22	30
1EW9-36-28	M36X2	28	30X3.1	42	39	28	36
1EW9-39-30	M39X2	30	32X3.1	47.5	43	30	41
1EW9-42-34	M42X2	34	35X3.1	49.5	43	34	41
1EW-45-38	M45X2	38	38X3.1	52.5	47.5	38	46
1EW-52-42	M52X2	42	40X3.1	57	50	42	50

NOTE: The parameter of O-ring is ring outside diameter and ring width.

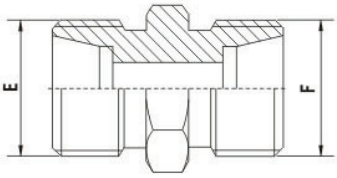


AE

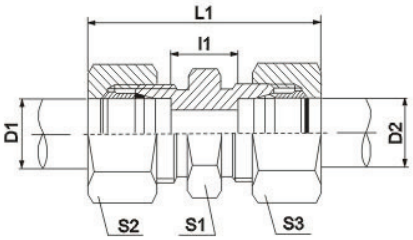
METRIC MALE O-RING TEE

PART NO.	THREAD	O-RING	DIMENSIONS			
	E、F、G	E、F、G	L1	L2	L3	S
AE-14	M14X1.5	10X1.9	22.5	22.5	22.5	14
AE-16	M16X1.5	11X1.9	24	24	24	17
AE-18	M18X1.5	13X1.9	26	26	26	19
AE-22	M22X1.5	16X2.4	29	29	29	22
AE-27	M27X1.5	20X2.4	32.5	32.5	32.5	27
AE-30	M30X1.5	24X2.4	35.5	35.5	35.5	30
AE-36	M36X2	30X3.1	42	42	42	36
AE-39	M39X2	32X3.1	47.5	47.5	47.5	41
AE-42	M42X2	35X3.1	49.5	49.5	49.5	41
AE-45	M45X2	38X3.1	52.5	52.5	52.5	46
AE-52	M52X2	40X3.1	57	57	57	50

NOTE: The parameter of O-ring is ring outside diameter and ring width.



1C / 1D

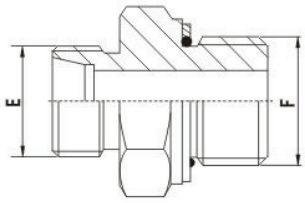


1C-RN / 1D-RN

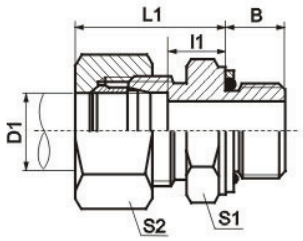
STRAIGHT FITTINGS

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: 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 paft NO., For example 1C-30RN.



1CG / 1DG

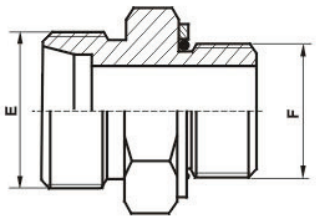


1CG-RN / 1DG-RN

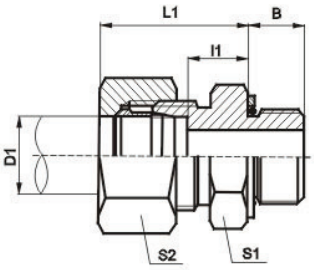
BSP THREAD STUD ENDS
WITH O-RING SEALING

PART NO.	THREAD		TUBE O.D	DIMENSIONS					MPa
	E	F	D1	B	I1	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-14-08	M14X1.5	G1/2"X14	8	14	13	27.5	27	34	
1CG-16-04	M16X1.5	G1/4"X14	10	10	11	26	19	19	
1CG-16-06	M16X1.5	G3/8"X14	10	11.5	12.5	27	22	19	
1CG-16-08	M16X1.5	G1/2"X14	10	14	14	29	27	19	
1CG-18-06	M18X1.5	G3/8"X14	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"X14	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	
1CG-52-32	M52X2	G2"X11	42	24.5	25	44	70	60	
1DG-14-04	M14X1.5	G1/4"X14	6	10	13	28	19	17	63 S
1DG-16-04	M16X1.5	G1/4"X14	8	10	15	31	19	19	
1DG-18-04	M18X1.5	G1/4"X14	10	10	14.5	31	19	22	
1DG-18-06	M18X1.5	G3/8"X14	10	11.5	15	31	22	22	
1DG-20-06	M20X1.5	G3/8"X14	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"X14	14	11.5	19	37	24	27	
1DG-22-08	M22X1.5	G1/2"X14	14	14	19	37	27	27	
1DG-24-04	M24X1.5	G1/4"X14	16	11	18	37	27	30	
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	17.5	47	41	46	
1DG-42-16	M42X2	G1"X11	30	18	23.5	48	46	50	
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 necessary to insert suffix "RN" after our paft NO., For example 1DG-20-08RN.



1CH / 1DH

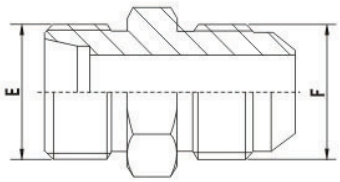


1CH-RN / 1DH-RN

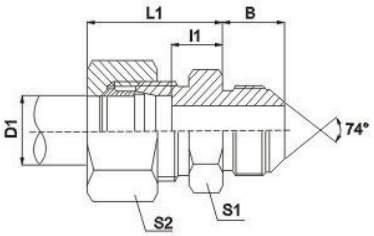
METRIC THREAD STUD END ISO 6149

PART NO.	THREAD		D1	O Ring	DIMENSIONS					MPa
	E	F	TUBE O.D.		B	I1	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	26.5	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	M16X22	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	M27X2	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	O19.3X2.4	13	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-20-14	M20X1.5	M14X1.5	12	O11.3X2.4	11	15	31	22	24	
1DH-20-16	M20X1.5	M16X1.5	12	O13.3X2.4	11.5	15	31	22	24	
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: 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 paft NO., For example 1DH-20-18RN.



1CJ / 1DJ

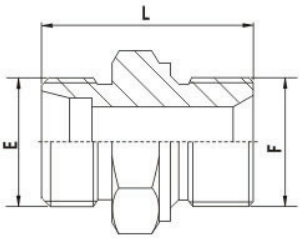


1CJ-RN / 1DJ-RN

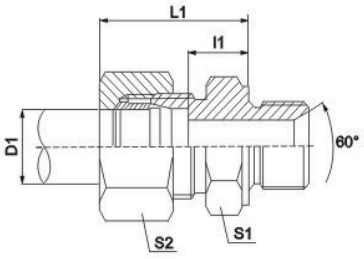
JIC 74° CONE SEALING

PART NO.	THREAD		TUBE O.D.	DIMENSIONS					MPa
	E	F	D1	B	I1	L1	S1	S2	
1CJ-12-04	M12X1.5	7/16"X20	6	14	9	24	14	14	31.5 L
1CJ-14-04	M14X1.5	7/16"X20	8	14	8	23	15	17	
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	10.8	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	11.6	28	30	32	16 L
1CJ-30-12	M30X2	1.1/16"X12	22	21.9	13.5	30	32	36	
1CJ-36-36	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-14-04	M14X1.5	7/16"X20	6	14	11	26	14	14	63 S
1DJ-16-04	M16X1.5	7/16"X20	8	14	13	28	17	19	
1DJ-16-06	M16X1.5	9/16"X18	8	14.1	12.9	28	17	34	
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	14.3	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-24-10	M24X1.5	7/8"X14	16	19.3	15.5	34	27	30	
1DJ-30-12	M30X2	1.1/16"X12	20	21.9	17.5	39	32	36	
1DJ-36-12	M36X2	1.1/16"X12	25	21.9	19	43	38	46	
1DJ-36-16	M36X2	1.5/16"X12	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	M42X2	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 paft NO., For example 1DJ-20-08RN.



1CM / 1DM

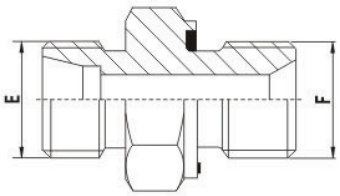


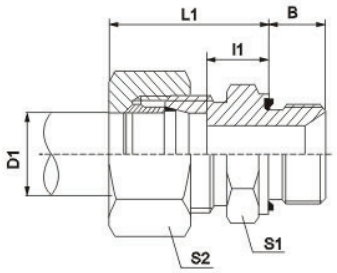
1CM-RN / 1DM-RN

METRIC MALE 60° SEAT SEALING
OR BONDED SEAL STUD ENDS

PART NO.	THREAD		TUBE O.D.	DIMENSIONS					MPa
	E	F	D1	B	I1	L1	S1	S2	
1CM-12-10	M12X1.5	M10X1	6	8	8.5	23	14	14	31.5 L
1CM-14-12	M14X1.5	M12X1.5	8	12	10	25	17	17	
1CM-14-18	M14X1.5	M18X1.5	8	12	11.5	26	24	17	
1CM-16-14	M16X1.5	M14X1.5	10	12	11	26	19	19	
1CM-16	M16X1.5	M16X1.5	10	12	12	27	22	19	
1CM-16-18	M16X1.5	M18X1.5	10	12	12.5	27	24	19	
1CM-16-22	M16X1.5	M22X1.5	10	14	14	29	27	19	
1CM-18-14	M18X1.5	M14X1.5	12	12	11	26	19	22	
1CM-18-16	M18X1.5	M16X1.5	12	12	12	27	22	22	
1CM-18	M18X1.5	M18X1.5	12	12	12.5	27	24	22	
1CM-18-22	M18X1.5	M22X1.5	12	14	14	29	27	22	
1CM-22-16	M22X1.5	M16X1.5	15	12	13	28	24	27	
1CM-22-18	M22X1.5	M18X1.5	15	12	13.5	29	24	27	
1CM-22	M22X1.5	M22X1.5	15	14	15	30	27	27	
1CM-26-18	M26X1.5	M18X1.5	18	12	14	30	27	32	
1CM-26-22	M26X1.5	M22X1.5	18	14	14.5	31	27	32	
1CM-30-22	M30X2	M22X1.5	22	14	16.5	33	32	36	16 L
1CM-30-26	M30X2	M26X1.5	22	16	16.5	33	32	36	
1CM-30-27	M30X2	M27X1.5	22	16	18.5	35	32	36	
1CM-36-33	M36X2	M33X2	28	18	17.5	34	41	41	
1CM-45-42	M45X2	M42X2	35	20	17.5	39	50	50	
1CM-52-48	M52X2	M48X2	42	22	19	42	55	60	
1DM-14-12	M14X1.5	M12X1.5	6	12	13	28	17	17	63 S
1DM-16-14	M16X1.5	M14X1.5	8	12	15	30	19	19	
1DM-18-16	M18X1.5	M16X1.5	10	12	15	31	22	22	
1DM-20-18	M20X1.5	M18X1.5	12	12	17	33	24	24	
1DM-20-22	M20X1.5	M22X1.5	12	14	17.5	34	27	24	
1DM-22-20	M22X1.5	M20X1.5	14	14	19	37	27	27	
1DM-24-18	M24X1.5	M18X1.5	16	12	18	36	27	30	40 S
1DM-24-22	M24X1.5	M22X1.5	16	14	18.5	37	27	30	
1DM-30-27	M30X2	M27X2	20	16	20.5	42	32	36	
1DM-36-33	M36X2	M33X2	25	18	23	47	41	46	
1DM-42	M42X2	M42X2	30	20	23.5	50	50	50	25 S
1DM-52-48	M52X2	M48X2	38	22	57	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 paft NO., For example 1DM-20-18RN.



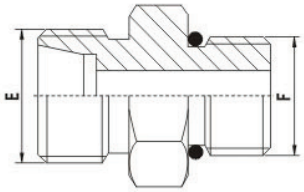


METRIC THREAD WITH CAPTIVE SEAL

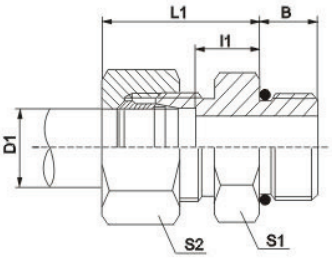
1CM-WD / 1DM-WD **1CM-WD/RN 1DM-WD/RN**

PART NO.	THREAD E		D1	SEAL	DIMENSIONS					MPa
	E	F	TUBE O.D.		B	I1	L1	S1	S2	
1CM-12-10WD	M12X1.5	M10X1	6	WD-B02	8	8.5	23	14	14	31.5 L
1CM-14-12WD	M14X1.5	M12X1.5	8	WD-M12	12	10	25	17	17	
1CM-16-12WD	M16X1.5	M12X1.5	10	WD-M12	12	11	25	17	19	
1CM-16-14WD	M16X1.5	M14X1.5	10	WD-B04	12	11	26	19	19	
1CM-16-18WD	M16X1.5	M18X1.5	10	WD-M18	12	12.5	27	24	19	
1CM-18-16WD	M18X1.5	M16X1.5	12	WD-M16	12	12.5	27	22	22	
1CM-18WD	M18X1.5	M18X1.5	12	WD-M18	12	12.5	27	24	22	
1CM-18-22WD	M18X1.5	M22X1.5	12	WD-M22	14	14	29	27	22	
1CM-22-18WD	M22X1.5	M18X1.5	15	WD-M18	12	13.5	29	24	27	
1CM-22WD	M22X1.5	M22X1.5	15	WD-M22	14	15	30	27	27	
1CM-26-22WD	M26X1.5	M22X1.5	18	WD-M22	14	14.5	31	27	32	
1CM-30-26WD	M30X2	M26X1.5	22	WD-B12	16	16.5	33	32	36	16 L
1CM-30-27WD	M30X2	M27X1.5	22	WD-B12	16	16.5	33	32	36	
1CM-36-33WD	M36X2	M33X2	28	WD-B16	18	17.5	34	41	41	
1CM-45-42WD	M45X2	M42X2	35	WD-B20	20	17.5	39	50	50	
1CM-52-48WD	M52X2	M48X2	42	WD-B24	22	19	42	55	60	
1DM-14-12WD	M14X1.5	M12X1.5	6	WD-M12	12	13	28	17	17	63 S
1DM-16-14WD	M16X1.5	M14X1.5	8	WD-B04	12	15	30	19	19	
1DM-18-16WD	M18X1.5	M16X1.5	10	WD-M16	12	15	31	22	22	
1DM-20-18WD	M20X1.5	M18X1.5	12	WD-M18	12	17	33	24	24	
1DM-22-20WD	M22X1.5	M20X1.5	14	WD-M20	14	19	37	27	27	
1DM-24-22WD	M24X1.5	M22X1.5	16	WD-M22	14	18.5	37	27	30	40 S
1DM-30-27WD	M30X2	M27X2	20	WD-B12	16	20.5	42	32	36	
1DM-36-33WD	M36X2	M33X2	25	WD-B16	18	23	47	41	46	
1DM-42WD	M42X2	M42X2	30	WD-B20	20	23.5	50	50	50	
1DM-52-48WD	M52X2	M48X2	38	WD-B24	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 paft NO., For example 1DM-20-18WD/RN.



1CO / 1DO

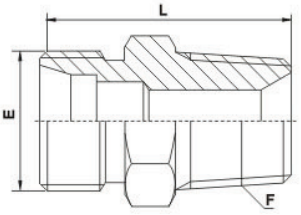


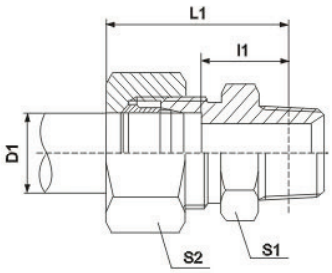
1CO-RN / 1DO-RN

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

PART NO.	THREAD		TUBE O.D.	DIMENSIONS					MPa
	E	F	D1	B	l1	L1	S1	S2	
1CO-14-04	M14X1.5	7/16"X20	8	9	10	25	17	17	31.5 L
1CO-16-04	M16X1.5	7/16"X20	10	9	11	26	17	19	
1CO-18-06	M18X1.5	9/16"X18	12	10	11	26	19	22	
1CO-18-08	M18X1.5	3/4"X16	12	11	13	28	24	22	
1CO-18-10	M18X1.5	7/8"X14	12	12.7	14.3	29	27	22	
1CO-22-08	M22X1.5	3/4"X16	15	11	14	29	24	27	
1CO-22-10	M22X1.5	7/8"X14	15	12.7	15.3	30	27	27	
1CO-22-12	M22X1.5	1.1/16"X12	15	15.09	11.91	30	32	27	
1CO-26-08	M26X1.5	3/4"X16	18	11	14.5	31	27	32	
1CO-26-10	M26X1.5	7/8"X14	18	12.7	14.8	31	27	32	
1CO-30-08	M30X2	3/4"X16	18	11.13	13.87	33	32	36	16 L
1CO-30-10	M30X2	7/8"X14	22	12.7	16.8	33	32	36	
1CO-30-12	M30X2	1.1/16"X12	22	15	16.5	33	32	36	
1CO-30-16	M30X2	1.5/16"X12	22	15	17.5	34	41	36	
1CO-36-12	M36X2	1.1/16"X12	28	15.09	14.41	34	41	41	
1CO-36-16	M36X2	1.5/16"X12	28	15	17.5	34	41	41	
1CO-45-16	M45X2	1.5/16"X12	35	15	17.5	39	46	50	
1CO-45-20	M45X2	1.5/8"X12	35	15.09	16.41	39	50	50	
1CO-52-20	M52X2	1.5/8"X12	42	15.09	15.91	42	55	60	
1DO-16-04	M16X1.5	7/16"X20	8	9	15	30	17	19	63 S
1DO-18-06	M18X1.5	9/16"X18	10	10	14.5	31	19	22	
1DO-20-06	M20X1.5	9/16"X18	12	10	14.5	31	22	24	
1DO-20-08	M20X1.5	3/4"X16	12	11	17.5	34	24	24	
1DO-24-08	M24X1.5	3/4"X16	16	11	15.5	34	24	30	40 S
1DO-24-10	M24X1.5	7/8"X14	16	12.7	18.8	37	27	30	
1DO-30-08	M30X2	3/4"X16	20	11	20.5	42	32	36	
1DO-30-10	M30X2	7/8"X14	20	12.7	20.8	42	32	36	
1DO-30-12	M30X2	1.1/16"X12	20	15	20.5	42	32	36	
1DO-36-12	M36X2	1.1/16"X12	25	15.09	19.91	47	41	46	
1DO-36-16	M36X2	1.5/16"X12	25	15	23	47	41	46	
1DO-42-16	M42X2	1.5/16"X12	30	15	23.5	50	46	50	
1DO-42-20	M42X2	1.5/8"X12	30	15	23.5	50	50	50	
1DO-52-20	M52X2	1.5/8"X12	38	15.09	22.9	53.9	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 paft NO., For example 1DO-30-12RN.



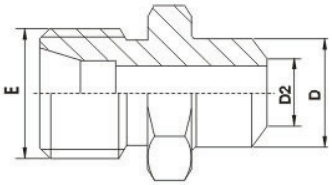


BSPT MALE

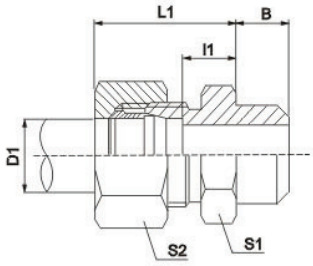
1CT-SP / 1DT-SP　　1CT-SP/RN　1DT-SP/RN

PART NO.	THREAD		TUBE O.D.	DIMENSIONS				MPa
	E	F	D	I1	L1	S1	S2	
1CT-12-02SP	M12X1.5	R1/8"X28	6	13	28	12	14	25 L
1CT-12-04SP	M12X1.5	R1/4"X19	8	8		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	27	27	
1CT-26-08SP	M26X1.5	R1/2"X14	18	23.3	39.8	27	32	16 L
1CT-26-12SP	M26X1.5	R3/4"X14	18	22	38.5	30	32	
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 and nut, it is necessary to insert suffix "RN" after our paft NO., For example 1DT-22-08SP/RN.



1CW / 1DW

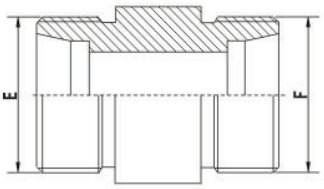


1CW-RN / 1DW-RN

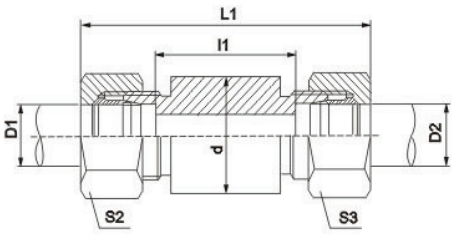
WELD FITTINGS

PART NO.	THREAD	TUBE O.D.		DIMENSIONS						MPa
	E	D1	D2	B	D	I1	L1	S1	S2	
1CW-12-06	M12X1.5	6	6	7	10	7	22	12	14	31.5 L
1CW-14-08	M14X1.5	8	8	8	12	8	23	14	17	
1CW-16-10	M16X1.5	10	10	8	14	9	24	17	19	
1CW-18-12	M18X1.5	12	12	8	16	10	25	19	22	
1CW-22-15	M22X1.5	15	15	10	19	11	26	22	27	
1CW-26-18	M26X1.5	18	18	10	22	11.5	28	27	32	
1CW-26-22	M26X1.5	18	18	10	27	13.5	28	27	32	16 L
1CW-30-22	M30X2	22	22	12	27	13.5	30	32	36	
1CW-30-25	M30X2	22	22	12	31	13.5	30	32	36	
1CW-36-28	M36X2	28	28	12	32	16.5	33	38	41	
1CW-45-35	M45X2	35	35	14	40	14.5	36	46	50	
1CW-52-42	M52X2	42	42	16	46	16	39	55	60	
1DW-14-06	M14X1.5	6	6	7	11	11	26	14	17	63 S
1DW-16-08	M16X1.5	8	8	8	13	13	28	17	19	
1DW-18-10	M18X1.5	10	10	8	15	12.5	29	19	22	
1DW-20-12	M20X1.5	12	12	10	17	14.5	31	22	24	
1DW-22-14	M22X1.5	14	14	10	19	16	34	24	27	
1DW-24-16	M24X1.5	16	16	10	21	15.5	34	27	30	40 S
1DW-30-20	M30X2	20	20	12	26	17.5	39	32	36	
1DW-36-25	M36X2	25	25	12	31	20	44	41	46	
1DW-42-30	M42X2	30	30	14	36	20.5	47	46	50	
1DW-52-38	M52X2	38	38	16	44	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 paft NO., For example 1DW-20-12RN.



1C-Y / 1D-Y

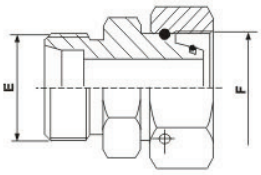


1C-Y/RN 1D-Y/RN

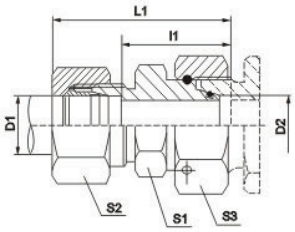
CYLINDER STRAIGHT BULKHEAD

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 paft NO., For example 1D-36Y/RN.



2C

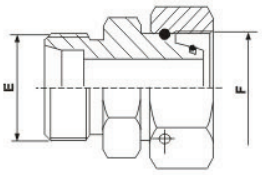


2C-RN

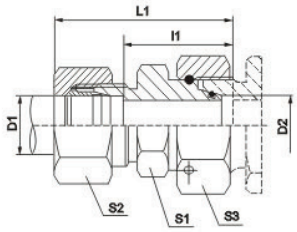
REDUCER TUBE ADAPTOR
WITH SWIVEL NUT

PART NO.	THREAD		TUBE O.D.		DIMENSIONS					MPa
	E	F	D1	D2	I1	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-18-26	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	
2C-26-45	M26X1.5	M45X2	18	35	38.5	55	41	32	50	
2C-30-45	M30X2	M45X2	22	35	40.5	57	41	36	50	
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 paft NO., For example 2C-30-52RN.



2D

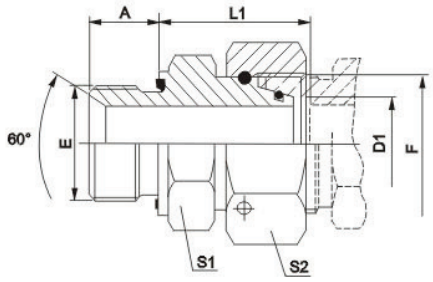


2D-RN

REDUCER TUBE ADAPTOR
WITH SWIVEL NUT

PART NO.	THREAD		TUBE O.D.		DIMENSIONS					MPa
	E	F	D1	D2	I1	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-14-20	M14X1.5	M20X1.5	6	12	29	44	17	17	24	
2D-14-22	M14X1.5	M22X1.5	6	14	31.5	46	19	17	27	
2D-16-18	M16X1.5	M18X1.5	8	10	27.5	42	17	19	22	
2D-16-20	M16X1.5	M20X1.5	8	12	29	44	17	19	24	
2D-16-22	M16X1.5	M22X1.5	8	14	31.5	46	19	19	27	
2D-18-20	M18X1.5	M20X1.5	10	12	31	46	19	22	24	
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	
2D-14-24	M14X1.5	M24X1.5	6	16	32	47	22	17	30	40 S
2D-14-30	M14X1.5	M30X2	6	20	36	51	27	17	36	
2D-14-36	M14X1.5	M36X2	6	25	38.5	53	36	17	46	
2D-14-42	M14X1.5	M42X2	6	30	44	59	41	17	50	
2D-16-24	M16X1.5	M24X1.5	8	16	32	47	22	19	30	
2D-16-30	M16X1.5	M30X2	8	20	36	51	27	19	36	
2D-16-36	M16X1.5	M36X2	8	25	38.5	53	36	19	46	
2D-16-42	M16X1.5	M42X2	8	30	44	59	41	19	50	
2D-18-24	M18X1.5	M24X1.5	10	16	31.5	48	22	22	30	
2D-18-30	M18X1.5	M30X2	10	20	35.5	52	27	22	36	
2D-18-36	M18X1.5	M36X2	10	25	36	54	36	22	46	
2D-18-42	M18X1.5	M42X2	10	30	43.5	60	41	22	50	
2D-20-24	M20X1.5	M24X1.5	12	16	33.5	50	22	24	30	
2D-20-30	M20X1.5	M30X2	12	20	35.5	52	27	24	36	
2D-20-36	M20X1.5	M36X2	12	25	38	54	36	24	46	
2D-20-42	M20X1.5	M42X2	12	30	43.5	60	41	24	50	
2D-22-24	M22X1.5	M24X1.5	14	16	33	51	24	27	30	
2D-22-30	M22X1.5	M30X2	14	20	37	55	27	27	36	
2D-22-36	M22X1.5	M36X2	14	25	39.5	57	36	27	46	
2D-22-42	M22X1.5	M42X2	14	30	45	63	41	27	50	
2D-24-30	M24X1.5	M30X2	16	20	37.5	55	30	30	36	
2D-24-36	M24X1.5	M36X2	16	25	39	57	36	30	46	
2D-24-42	M24X1.5	M42X2	16	30	44.5	63	41	30	50	
2D-30-36	M30X2	M36X2	20	25	39	51	36	36	46	
2D-30-42	M30X2	M42X2	20	30	44.5	66	41	36	50	
2D-36-42	M36X2	M42X2	25	30	44	69	41	46	50	
2D-14-52	M14X1.5	M52X2	6	38	47.5	62	50	17	60	31.5 S
2D-16-52	M16X1.5	M52X2	8	38	47.5	62	50	19	60	
2D-18-52	M18X1.5	M52X2	10	38	47	63	50	22	60	
2D-20-52	M20X1.5	M52X2	12	38	47	63	50	24	60	
2D-22-52	M22X1.5	M52X2	14	38	48.5	66	50	27	60	
2D-24-52	M24X1.5	M52X2	16	38	48	66	50	30	60	
2D-30-52	M30X2	M52X2	20	38	48	70	50	36	60	
2D-36-52	M36X2	M52X2	25	38	48.5	73	50	46	60	
2D-42-52	M42X2	M52X2	30	38	49	76	50	50	60	

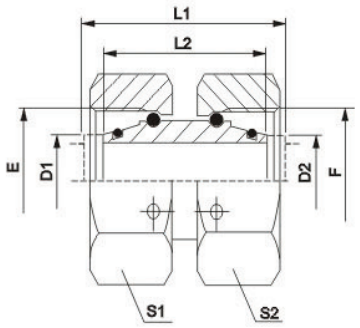
NOTE：In case if you are interested to order the adapter in complete set with cutting ring and nut, it is necessary to insert suffix “RN” after our paft NO., For example 2D-30-52RN.



2MC-WD
2MD-WD

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

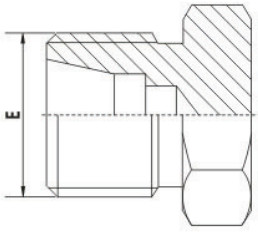
PART NO.	THREAD		D1	SEAL	DIMENSIONS				MPa
	E	F	TUBE O.D.		A	L1	S1	S2	
2MC-10-12WD	M10X1	M12X1.5	6	WD-B02	8	24.5	14	14	31.5 L
2MC-12-14WD	M12X1.5	M14X1.5	8	WD-M12	12	26.5	17	17	
2MC-14-16WD	M14X1.5	M16X1.5	10	WD-B04	12	27.5	19	19	
2MC-16-18WD	M16X1.5	M18X1.5	12	WD-M16	12	30.5	22	22	
2MC-18-22WD	M18X1.5	M22X1.5	15	WD-M18	12	31.5	24	27	
2MC-22-26WD	M22X1.5	M26X1.5	18	WD-M22	14	31.5	27	32	
2MC-26-30WD	M26X1.5	M30X2	22	WD-B12	16	32.5	32	36	16 L
2MC-33-36WD	M33X2	M36X2	28	WD-B16	18	35	41	41	
2MC-42-45WD	M42X2	M45X2	32	WD-B20	20	42.5	50	50	
2MC-48-52WD	M48X2	M52X2	42	WD-B24	22	46.5	55	60	
2MD-12-14WD	M12X1.5	M14X1.5	6	WD-M12	12	27	17	17	63 S
2MD-14-16WD	M14X1.5	M16X1.5	8	WD-B04	12	29.5	19	19	
2MD-16-18WD	M16X1.5	M18X1.5	10	WD-M16	12	32	22	22	
2MD-18-20WD	M18X1.5	M20X1.5	12	WD-M18	12	34	24	24	
2MD-20-22WD	M20X1.5	M22X1.5	14	WD-M20	14	36.5	27	27	
2MD-22-24WD	M22X1.5	M24X1.5	16	WD-M22	14	37	27	30	40 S
2MD-27-30WD	M27X2	M30X2	20	WD-B12	16	43	32	36	
2MD-33-36WD	M33X2	M36X2	25	WD-B16	18	48	41	46	
2MD-42-42WD	M42X2	M42X2	30	WD-B20	20	51	50	50	
2MD-48-52WD	M48X2	M52X2	38	WD-B24	22	60	55	60	31.5 S



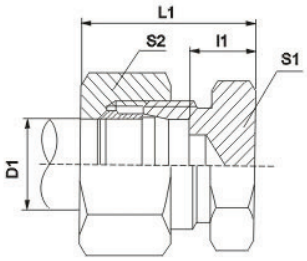
3C
3D

STRAIGHT TUBE ADAPTERS
WITH SWIVEL NUT

PART NO.	THREAD E	TUBE O.D.	DIMENSIONS			MPa
	E	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	41	39	32	
3C-30	M30X2	22	44	42	36	16 L
3C-36	M36X2	28	48	46	46	
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



4C / 4D

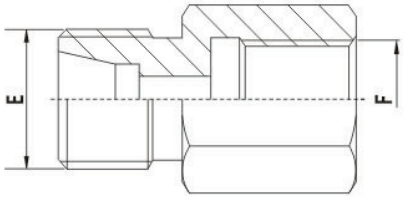


4C-RN / 4D-RN

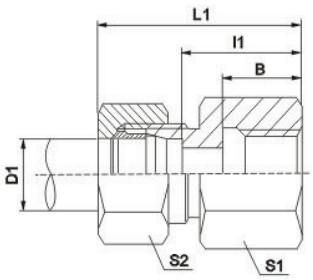
PLUG

PART NO.	THREAD	TUBE O.D.	DIMENSIONS				MPa
	E	D1	I1	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	38	46	
4D-42	M42X2	30	20.5	47	46	50	
4D-52	M52X2	38	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 paft NO., For example 4C-30RN.



5CM
5DM

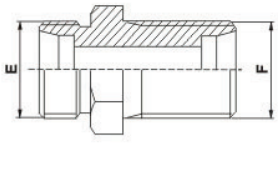


5CM-RN
5DM-RN

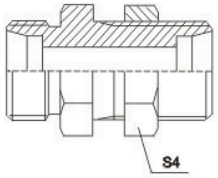
METRIC FEMALE

PART NO.	THREAD		TUBE O.D.	DIMENSIONS					MPa
	E	F	D1	B	I1	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	19	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	M27X1.5	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

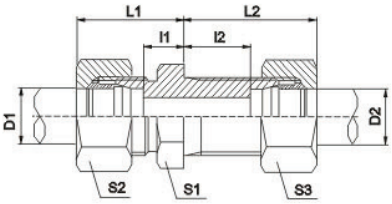
NOTE: In case if you are interested to order the adapter in complete set with cutting ring and nut, it is necessary to insert suffix "RN" after our paft NO., For example 5DM-30-27RN.



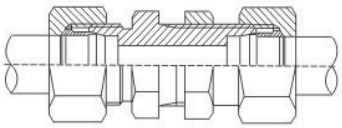
6C
6D



6C-LN
6D-LN



6C-RN
6D-RN

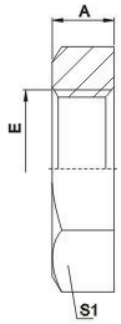


6C-LN/RN
6D-LN/RN

STRAIGHT BULKHEAD FITTINGS

PART NO.	THREAD		TUBE O.D.		DIMENSIONS							MPa
	E	F	D1	D2	I1	I2	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	46	
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	46	
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

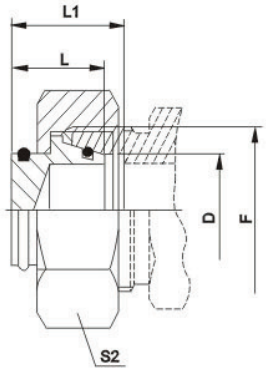
NOTE: In case if you are interested to order the adapter with lock nut,please insert suffix "LN" after our part No.,for example 6C-30LN,order the adapter with cutting ring and nut, insert suffix "RN" after part NO.,for example 6C-30RN,order the adapter with lock nut and cutting ring and nut,insert suffix "LN/RN" after part NO.,for example 6C-30LN/RN



8C

METRIC LOCK NUT

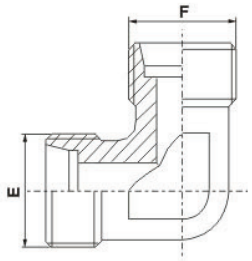
PART NO.	THREAD	DIMENSIONS	
	E	A	S1
8C-10	M10X1	6	14
8C-12	M12X1.5	7.5	17
8C-14	M14X1.5	7.5	19
8C-16	M16X1.5	7.5	22
8C-18	M18X1.5	7.5	24
8C-20	M20X1.5	8	27
8C-22	M22X1.5	8	27
8C-24	M24X1.5	8	30
8C-26	M26X1.5	8	32
8C-27D	M27X1.5	10	32
8C-30	M30X2	10	36
8C-30D	M30X1.5	10	36
8C-33	M33X2	10	41
8C-36	M36X2	10	41
8C-38	M38X2	10	46
8C-42	M42X2	10	50
8C-45	M45X2	10	55
8C-52	M52X2	10	60



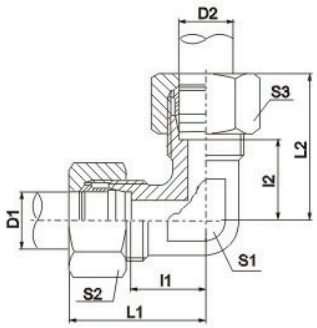
9C / 9D

FEMALE PLUG

PART NO.	THREAD	TUBE O.D.	DIMENSIONS			MPa
	F	D	L	L1	L2	
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	31.5 S



1C9 / 1D9

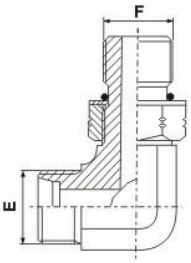


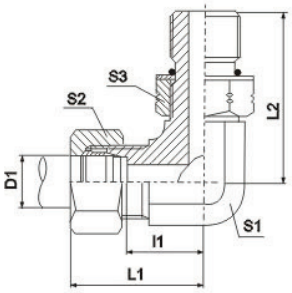
1C9-RN / 1D9-RN

90° ELBOW FITTINGS

PART NO.	THREAD		TUBE O.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	
1D9-52	M52X2	M52X2	38	38	41	72	50	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 paft NO., For example 1C9-30RN.





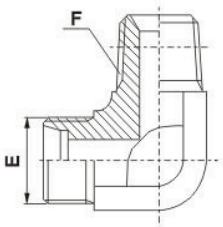
90° ELBOW UN、UNF THREAD ADJUSTABLE STUD ENDS WITH O-RING SEALING ISO 11926

1CO9-OG
1DO9-OG

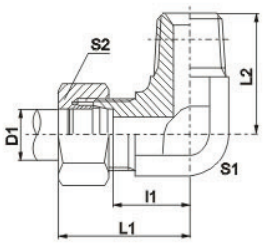
1CO9-OG/RN
1DO9-OG/RN

PART NO.	THREAD		TUBE O.D.	DIMENSIONS						MPa
	E	F	D1	I1	L1	L2	S1	S2	S3	
1CO9-12-04OG	M12X1.5	7/16"X20	6	13	28	27.2	11	14	17	31.5 L
1CO9-14-06OG	M14X1.5	9/16"X18	8	15.5	30.5	31.8	14	17	19	
1CO9-16-06OG	M16X1.5	9/16"X18	10	17.5	32.5	33.3	16	19	19	
1CO9-18-08OG	M18X1.5	3/4"X16	12	19	34	37.5	19	22	24	
1CO9-22-10OG	M22X1.5	7/8"X14	15	22	37	44	22	27	27	
1CO9-22-08OG	M22X1.5	3/4"X16	15	22	37	39.5	22	27	24	
1CO9-26-12OG	M26X1.5	1.1/16"X12	18	25.5	42	51	27	32	32	
1CO9-30-12OG	M30X2	1.1/16"X12	22	29.3	45.8	53.5	30	36	32	16 L
1CO9-36-12OG	M36X2	1.1/16"X12	28	33.5	47.8	57.5	36	41	41	
1CO9-36-16OG	M36X2	1.5/16"X12	28	33.3	49.8	57.5	36	41	41	
1CO9-45-20OG	M45X2	1.5/8"X12	35	39.2	60.7	63	48	50	50	
1CO9-52-24OG	M52X2	1.7/8"X12	42	44.8	67.8	70.5	55	60	55	
1DO9-14-04OG	M14X1.5	7/16"X20	6	17.5	32.5	30	14	17	17	63 S
1DO9-16-06OG	M16X1.5	9/16"X18	8	18.7	33.7	33.3	16	19	19	
1DO9-18-06OG	M18X1.5	9/16"X18	10	19.5	36	33.5	19	22	19	
1DO9-18-08OG	M18X1.5	3/4"X16	10	19.5	36	37.5	19	22	24	
1DO9-20-08OG	M20X1.5	3/4"X16	12	19.5	36	37.5	19	24	24	
1DO9-22-10OG	M22X1.5	7/8"X14	14	23	41	44	22	27	27	
1DO9-24-10OG	M24X1.5	7/8"X14	16	24	42.5	46.5	24	30	27	40 S
1DO9-30-12OG	M30X2	1.1/16"X12	20	28.3	49.8	53.5	30	36	32	
1DO9-36-16OG	M36X2	1.5/16"X12	25	32.8	56.8	57.5	36	46	41	
1DO9-42-20OG	M42X2	1.5/8"X12	30	36.2	62.7	59.5	41	50	50	
1DO9-52-24OG	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 paft NO., For example 1CO9-30-12OG/RN.



1CT9-SP
1DT9-SP

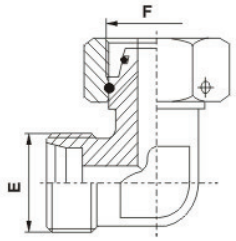


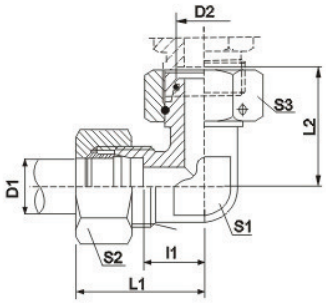
1CT9-SP/RN
1DT9-SP/RN

90° ELBOW BSPT MALE

PART NO.	THREAD		TUBE O.D.	DIMENSIONS					MPa
	E	F	D1	I1	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	21	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	29.5	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	
1DT9-30-08SP	M30X2	R1/2"X14	20	28.3	49.8	41	30	36	25 S
1DT9-30-12SP	M30X2	R3/4"X14	20	28.3	49.8	45.3	30	36	
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 paft NO., For example 1CT9-30-12SP/RN.



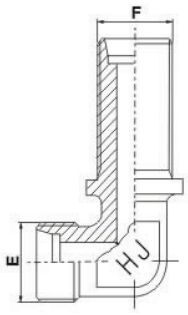


90° ELBOW REDUCER TUBE ADAPTOR WITH SWIVEL NUT

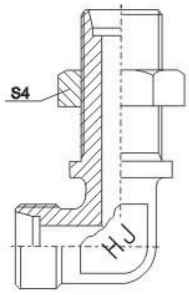
2C9 / 2D9 **2C9-RN / 2D9-RN**

PART NO.	THREAD	TUBE O.D.	DIMENSIONS						MPa
	E、F	D1、D2	I1	L1	L2	S1	S2	S3	
2C9-12	M12X1.5	6	12	27	26	12	14	14	31.5 L
2C9-14	M14X1.5	8	14	29	27.5	12	17	17	
2C9-16	M16X1.5	10	15	30	29	14	19	19	
2C9-18	M18X1.5	12	17	32	29.5	17	22	22	
2C9-22	M22X1.5	15	21	36	32.5	19	27	27	
2C9-26	M26X1.5	18	23.5	41	35.5	24	32	32	
2C9-30	M30X2	22	27.5	44	38.5	27	36	36	16 L
2C9-36	M36X2	28	30.5	47	41.5	36	41	41	
2C9-45	M45X2	35	34.5	56	51	41	50	50	
2C9-52	M52X2	42	40	63	56	50	60	60	
2D9-14	M14X1.5	6	16	31	27	12	17	17	63 S
2D9-16	M16X1.5	8	17	32	27.5	14	19	19	
2D9-18	M18X1.5	10	17.5	34	30	17	22	22	
2D9-20	M20X1.5	12	21.5	38	31	17	24	24	
2D9-22	M22X1.5	14	22	40	35	19	27	27	
2D9-24	M24X1.5	16	24.5	43	36.5	24	30	30	40 S
2D9-30	M30X2	20	26.5	48	44.5	27	36	36	
2D9-36	M36X2	25	30	54	50	36	46	46	
2D9-42	M42X2	30	35.5	62	55	41	50	50	
2D9-52	M52X2	38	41	72	63	50	60	60	31.5 S

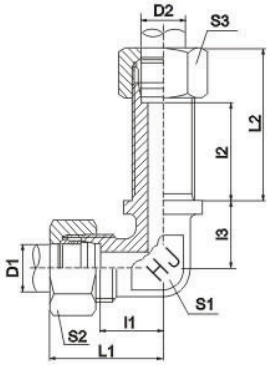
NOTE: In case if you are interested to order the adapter in complete set with cutting ring and nut, it is necessary to insert suffix "RN" after our paft NO., For example 2C9-30RN.



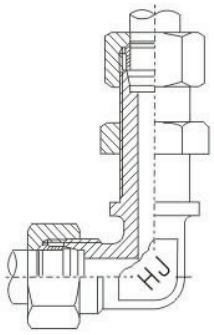
6C9
6D9



6C9-LN
6D9-LN



6C9-RN
6D9-RN

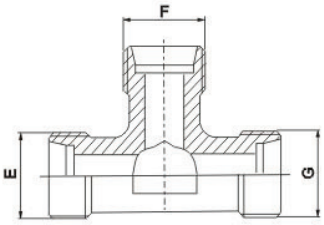


6C9-LN/RN
6D9-LN/RN

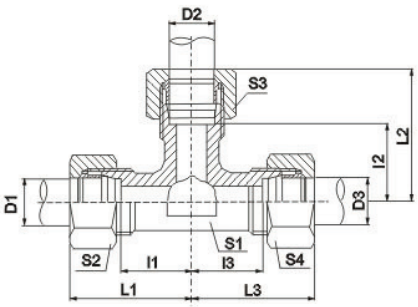
90° ELBOW BULKHEAD FITTINGS

PART NO.	THREAD	TUBE O.D.	DIMENSIONS								MPa
	E、F	D1、D2	I1	I2	I3	L1	L2	S1	S2,S3	S4	
6C9-12	M12X1.5	6	12	27	14	42	27	12	14	17	31.5 L
6C9-14	M14X1.5	8	14	27	17	42	29	12	17	19	
6C9-16	M16X1.5	10	15	28	18	43	30	14	19	22	
6C9-18	M18X1.5	12	17	29	20	44	32	17	22	24	
6C9-22	M22X1.5	15	21	31	23	46	36	19	27	30	
6C9-26	M26X1.5	18	23.5	32.5	24	49	40	24	32	36	
6C9-30	M30X2	22	27.5	34.5	30	51	44	27	36	41	16 L
6C9-36	M36X2	28	30.5	35.5	34	52	47	36	41	46	
6C9-45	M45X2	35	34.5	36.5	39	58	56	41	50	55	
6C9-52	M52X2	42	40	36	43	59	63	50	60	65	
6D9-14	M14X1.5	6	16	29	17	44	31	12	17	19	63 S
6D9-16	M16X1.5	8	17	29	18	44	32	14	19	22	
6D9-18	M18X1.5	10	17.5	29.5	20	46	34	17	22	24	
6D9-20	M20X1.5	12	21.5	30.5	21	47	38	17	24	27	
6D9-22	M22X1.5	14	22	32	23	50	40	19	27	30	
6D9-24	M24X1.5	16	24.5	31.5	24	50	43	24	30	32	40 S
6D9-30	M30X2	20	26.5	33.5	30	55	48	27	36	41	
6D9-36	M36X2	25	30	35	34	59	54	36	46	46	
6D9-42	M42X2	30	35.5	37.5	39	64	62	41	50	50	
6D9-52	M52X2	38	41	37	43	68	72	50	60	65	31.5 S

NOTE: In case if you are interested to order the adapter with lock nut,please insert suffix "LN" after our part No.,for example 6C9-30LN,order the adapter with cutting ring and nut, insert suffix "RN" after part NO.,for example 6C9-30RN,order the adapter with lock nut and cutting ring and nut,insert suffix "LN/RN" after part NO.,for example 6C9-30LN/RN



AC / AD

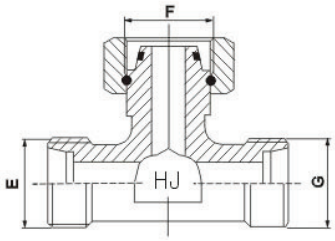


AC-RN / AD-RN

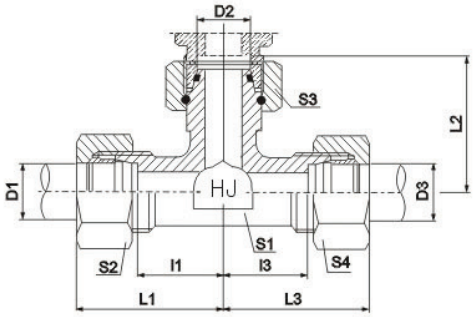
EQUAL TEES

PART NO.	THREAD E	TUBE O.D.	DIMENSIONS				MPa
	E、F、G	D1、D2、D3	I1,I2,I3	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-10A	M10X1	6	9.5	21	9	12	
AC-12A	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	24.6	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：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 paft NO., For example AC-22RN.



BC / BD

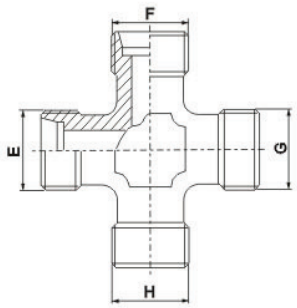


BC-RN / BD-RN

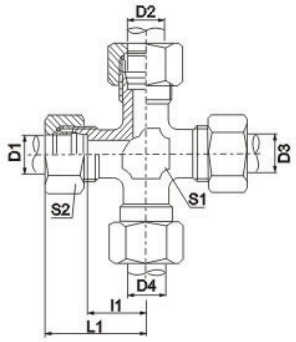
BRANCH TEE FITTINGS
WITH SWIVEL NUT

PART NO.	THREAD		TUBE O.D.		DIMENSIONS						MPa
	E、G	F	D1, D3	D2	I1,I3	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：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 paft NO., For example BC-30RN.



XC / XD

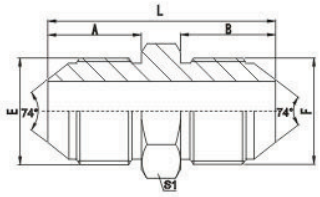


XC-RN / XD-RN

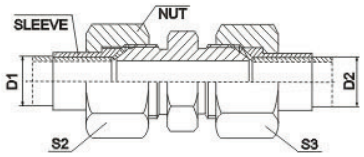
CROSS FITTINGS

PART NO.	THREAD	TUBE O.D.	DIMENSIONS				MPa
	E、F、G、H	D1、D2、D3、D4	I1	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：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 paft NO., For example XC-30RN.



1Q

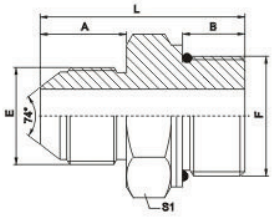


1Q-RN

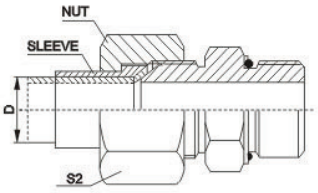
METRIC MALE 74° CONE

PART NO.	THREAD		TUBE O.D.	DIMENSIONS				
	E	F	D1,D2	A	B	L	S1	S2,S3
1Q-10	M10X1	M10X1	5	12	12	30	12	14
1Q-12	M12X1.5	M12X1.5	6	15.7	15.7	37.5	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-30E	M30X2	M30X2	20	26	26	63	32	36
1Q-33	M33X2	M33X2	22	26	26	63	36	38
1Q-36	M36X2	M36X2	25	26	26	63	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	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 1Q-18RN,The sleeve NO.is NB500-Q and the nut NO.is NB200-Q.



1QH

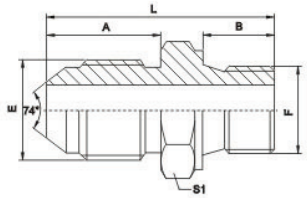


1QH-RN

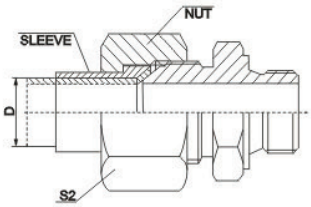
METRIC 74° CONE/METRIC MALE
L-SERIES ISO 6149-3

PART NO.	THREAD		D	O-RING	DIMENSIONS				
	E	F	TUBE O.D.	F	A	B	L	S1	S2
1QH-14-12	M14X1.5	M12X1.5	8	O09.3X2.4	17	11.0	36.5	17	17
1QH-16-14	M16X1.5	M14X1.5	10	O11.3X2.4	18	11.0	37.5	19	19
1QH-18-16	M18X1.5	M16X1.5	12	O13.3X2.4	18	11.5	38	22	22
1QH-22-18	M22X1.5	M18X1.5	14	O15.3X2.4	19.5	12.5	40.5	24	27
1QH-27-22	M27X1.5	M22X1.5	18	O19.3X2.4	20	13.0	44	27	32
1QH-30-27	M30X1.5	M27X2	20	O23.5X3.0	23	16.0	50	32	36
1QH-33-27	M33X2	M27X2	22	O23.5X3.0	26	16.0	53	34	38
1QH-36-33	M36X2	M33X2	25	O29.5X3.0	26	16.0	55	41	41
1QH-39-33	M39X2	M33X2	28	O29.5X3.0	26	16.0	55	41	46
1QH-45-42	M45X2	M42X2	34	O38.5X3.0	28.5	16.0	59.5	50	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 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.



1QL



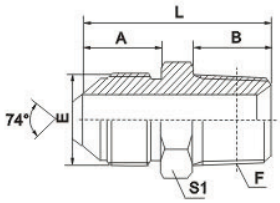
1QL-RN

1QL

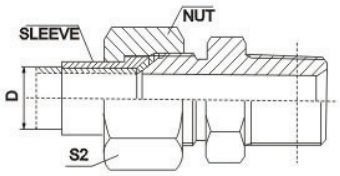
METRIC MALE 74° CONE/METRIC MALE WITH BONDED SEAL

PART NO.	THREAD		D	BONDED SEAL	DIMENSIONS				
	E	F	TUBE O.D.		A	B	L	S1	S2
1QL-10	M10X1	M10X1	5	ZHD-10	12	8	27	17	14
1QL-12	M12X1.5	M12X1.5	6	ZHD-12	15.7	12	35.2	17	14
1QL-12-10	M12X1.5	M10X1	6	ZHD-10	15.7	8	30.5	17	14
1QL-14	M14X1.5	M14X1.5	8	ZHD-14	17	12	36.5	19	17
1QL-14-10	M14X1.5	M10X1	8	ZHD-10	17	8	32	17	17
1QL-14-12	M14X1.5	M12X1.5	8	ZHD-12	17	12	36.5	17	17
1QL-14-16	M14X1.5	M16X1.5	8	ZHD-16	17	12	37	22	17
1QL-16	M16X1.5	M16X1.5	10	ZHD-16	18	12	38	22	19
1QL-16-14	M16X1.5	M14X1.5	10	ZHD-14	18	12	37	19	19
1QL-18	M18X1.5	M18X1.5	12	ZHD-18	18	12	39.5	24	22
1QL-18-16	M18X1.5	M16X1.5	12	ZHD-16	18	12	38	22	22
1QL-22	M22X1.5	M22X1.5	14	ZHD-22	19.5	14	43.5	27	27
1QL-22-18	M22X1.5	M18X1.5	14	ZHD-18	19.5	12	41	24	27
1QL-27	M27X1.5	M27X2	18	ZHD-27	20	16	49	34	32
1QL-27-22	M27X1.5	M22X1.5	18	ZHD-22	20	14	44	30	32
1QL-30-27	M30X1.5	M27X2	20	ZHD-27	23	16	50	34	36
1QL-33	M33X2	M33X2	22	ZHD-33	26	18	57	41	38
1QL-33-27	M33X2	M27X2	22	ZHD-27	26	16	55	34	38
1QL-36-33	M36X2	M33X2	25	ZHD-33	26	18	58	41	41
1QL-39-33	M39X2	M33X2	28	ZHD-33	26	18	59	41	46
1QL-42	M42X2	M42X2	32	ZHD-42	28.5	20	65.5	50	50
1QL-45-42	M45X2	M42X2	34	ZHD-42	28.5	20	65.5	50	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 1QL-18RN,The sleeve NO.is NB500-Q and the nut NO.is NB200-Q.



1QT-SP



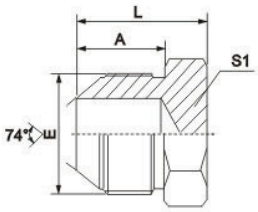
1QT-SP/RN

1QT-SP

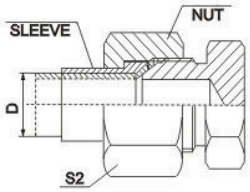
METRIC MALE 74° CONE/BSPT MALE

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	17	17
1QT-16-04SP	M16X1.5	R1/4"X19	10	18	14.5	38.5	17	19
1QT-16-06SP	M16X1.5	R3/8"X19	10	18	15	39	17	19
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	26	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	68	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 1QT-22-08SP/RN,The sleeve NO.is NB500-Q and the nut NO.is NB200-Q.



4Q

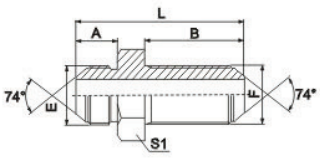


4Q-RN

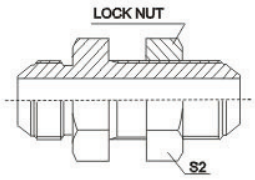
METRIC MALE 74° CONE PLUG

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

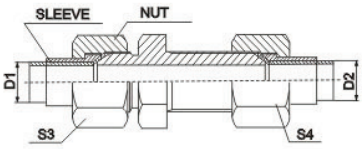
NOTE：1.In case if you are interested to order the adapter in complete set with sleeve and nut,it is necessary to insert suffix "RN" after our part NO.,for example 4Q-18RN,The sleeve NO.is NB500-Q and the nut NO.is NB200-Q.



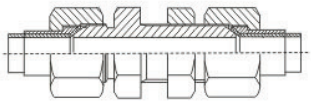
6Q



6Q-LN



6Q-RN

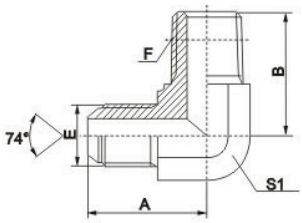


6Q-LN/RN

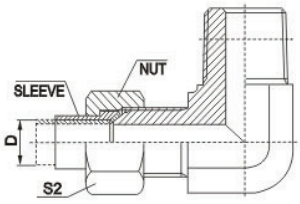
METRIC MALE 74° CONE BULKHEAD

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.



1QT9-SP

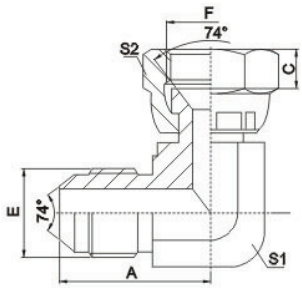


1QT9-SP/RN

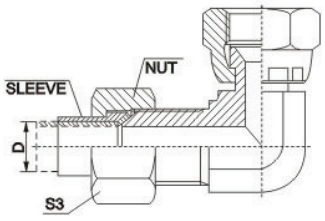
90° ELBOW METRIC MALE 74° CONE/ BSPT MALE

PART NO.	THREAD		TUBE O.D.	DIMENSIONS			
	E	F	D	A	B	S1	S2
1QT9-14-04SP	M14X1.5	R1/4"X19	8	30.2	25.5	14	17
1QT9-16-04SP	M16X1.5	R1/4"X19	10	32	26.5	16	19
1QT9-18-06SP	M18X1.5	R3/8"X19	12	34	29	19	22
1QT9-18-08SP	M18X1.5	R1/2"X14	12	36	36	22	22
1QT9-22-08SP	M22X1.5	R1/2"X14	14	37.5	36	22	27
1QT9-27-08SP	M27X1.5	R1/2"X14	18	41.5	39.5	27	32
1QT9-27-12SP	M27X1.5	R3/4"X14	18	41.5	44	27	32
1QT9-30-12SP	M30X1.5	R3/4"X14	20	45.8	45.5	30	36
1QT9-33-12SP	M33X2	R3/4"X14	22	49.5	47.5	33	38
1QT9-36-16SP	M36X2	R1"X11	25	51.5	52	36	41
1QT9-39-16SP	M39X2	R1"X11	28	55.5	55.2	41	46
1QT9-45-20SP	M45X2	R1.1/4"X11	34	62.5	61	48	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 1QT9-22-08SP/RN,The sleeve NO.is NB500-Q and the nut NO.is NB200-Q.



2Q9

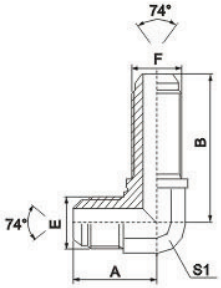


2Q9-RN

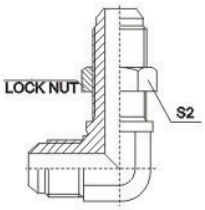
METRIC MALE 74° CONE/ METRIC FEMALE 74° SEAT

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	55

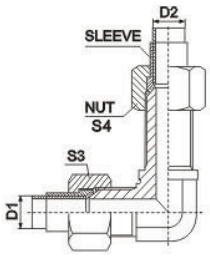
NOTE: 1.In case if you are interested to order the adapter in complete set with sleeve and nut,it is necessary to insert suffix "RN" after our part NO.,for example 2Q9-18RN,The sleeve NO.is NB500-Q and the nut NO.is NB200-Q.



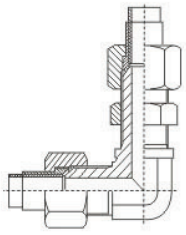
6Q9



6Q9-LN



6Q9-RN

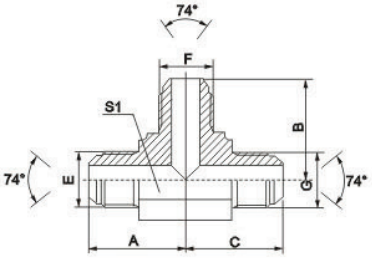


6Q9-LN/RN

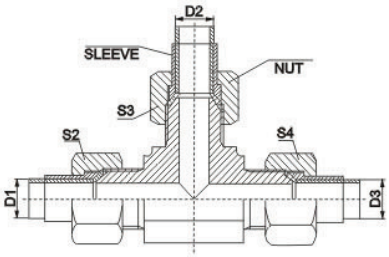
90° ELBOW METRIC MALE 74° CONE BULKHEAD

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
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: In case if you are interested to order the adapter with lock nut,please insert suffix "LN" after our part NO.,for example 6Q9-18LN;order the adapter with sleeve and nut, please insert suffix "RN" after our part NO.,for example 6Q9-18RN order the adapter with lock nut and sleeve and nut, insert suffix "LN/RN" after part NO.,for example 6Q9-18LN/RN;The sleeve NO.is NB500-Q and the nut NO.is NB200-Q and the lock nut NO.is 8C.



AQ

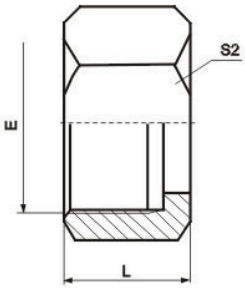


AQ-RN

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	8	27	27	27	14	17
AQ-16	M16X1.5	10	29.5	29.5	29.5	16	19
AQ-18	M18X1.5	12	34	34	34	19	22
AQ-22	M22X1.5	14	37.5	37.5	37.5	22	27
AQ-27	M27X1.5	18	41.5	41.5	41.5	27	32
AQ-30	M30X1.5	20	42.8	42.8	42.8	30	36
AQ-33	M33X2	22	49.5	49.5	49.5	33	38

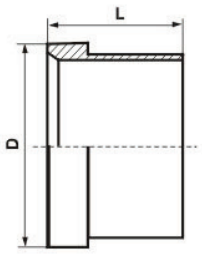
NOTE: 1.In case if you are interested to order the adapter in complete set with sleeve and nut,it is necessary to insert suffix "RN" after our part NO.,for example AQ-18RN,The sleeve NO.is NB500-Q and the nut NO.is NB200-Q.



NB200-Q

METRIC 74° CONE FLARED NUT GB/T 5647

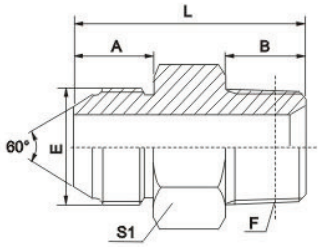
PART NO.	THREAD	TUBE O.D.	DIMENSIONS	
	E	mm	L	S2
NB200-10Q	M10X1	5	13.5	14
NB200-12Q	M12X1.5	6	16.5	14
NB200-14Q	N14X1.5	8	18.5	17
NB200-16Q	M16X1.5	10	19.5	19
NB200-18Q	M18X1.5	12	19.5	22
NB200-22Q	M22X1.5	14	19.5	27
NB200-24Q	M24X1.5	16	20	30
NB200-27Q	M27X1.5	18	20	32
NB200-30Q	M30X1.5	20	24.5	36
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



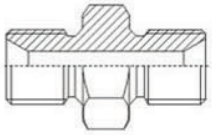
1KT-SP

METRIC MALE 60° CONE/BSPT MALE

PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1KT-14-04SP	M14X1.5	R1/4"X19	17	14.5	37.5	17
1KT-14-06SP	M14X1.5	R3/8"X19	17	15	38	19
1KT-16-06SP	M16X1.5	R3/8"X19	18	15	39	19
1KT-18-06SP	M18X1.5	R3/8"X19	18	15	39	19
1KT-20-06SP	M20X1.5	R3/8"X19	20	15	43	22
1KT-22-06SP	M22X1.5	R3/8"X19	20	15	43	24
1KT-22-08SP	M22X1.5	R1/2"X14	20	20	48	24
1KT-24-08SP	M24X1.5	R1/2"X14	21.5	20	51.5	27
1KT-24-12SP	M24X1.5	R3/4"X14	21.5	20	51.5	30
1KT-30-12SP	M30X1.5	R3/4"X14	26	20	57	32
1KT-33-16SP	M33X1.5	R1"X11	30	25.5	66.5	36
1KT-36-20SP	M36X1.5	R1.1/4"X11	33	26.5	72.5	46
1KT-42-24SP	M42X1.5	R1.1/2"X11	36	26.5	77.5	50

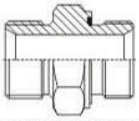
BSP THREAD
60° CONE
ADAPTERS

1B P177



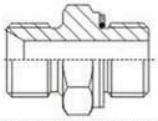
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL

1B-WD P178



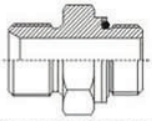
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL/BSP MALE CAPTIVE SEAL

1BG P178



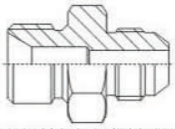
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL / BSP MALE O-RING

1BH P179



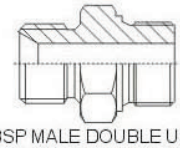
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL/METRIC MALE L-SERIES ISO 6149-3

1BJ P180



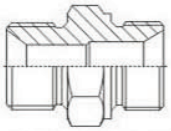
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL /JIC MALE 74° CONE

1BL P181



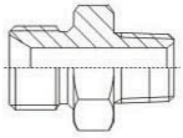
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL / METRIC MALE WITH BONDED SEAL

1BM P182



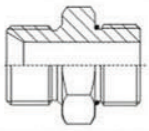
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL /METRIC MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL

1BN P183



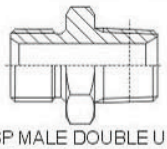
BSP MALE 60° CONE OR BONDED SAL/NPT MALE

1BO P184



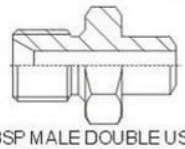
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL/SAE O-RING BOSS L-SERIES ISO 11926-3

1BT-SP P185



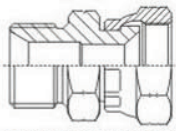
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL /BSPT MALE

1BW P186



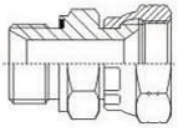
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL /BUTT-WELD TUBE

2BJ P187



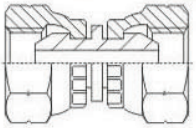
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL/JIC FEMALE 74° SEAT

2BJ-WD P188



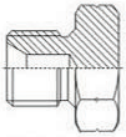
BSP MALE CAPTIVE SEAL/JIC FEMALE 74° SEAT

3B P189



BSP FEMALE 60° CONE

4B P190



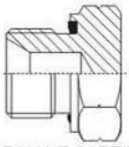
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL PLUG

4BN-WD P190



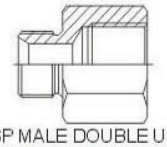
BSP MALE CAPTIVE SEAL HOLLOW HEX PLUG

4B-WD P191



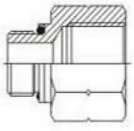
BSP MALE CAPTIVE SEAL PLUG

5B P191



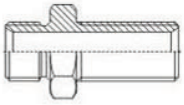
BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL /BSP FEMALE ISO 1179

5GB P192



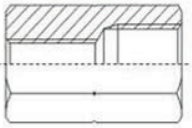
BSP MALE O-RING /BSP FEMALE ISO 1179

6B P192



BSP MALE 60° SEAT BULKHEAD

7B P193



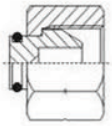
BSP FEMALE ISO 1179

8B P193



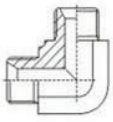
BSP LOCK NUT

9B P194



BSP FEMALE 60° CONE PLUG

1B9 P194



90° ELBOW BSP MALE 60° SEAT

BSP THREAD 60° CONE ADAPTERS

1BN9 P195 — 90° ELBOW BSP MALE 60° SEAT /NPT MALE

1BT4-SP P196 — 45° ELBOW BSP MALE 60° SEAT /BSPT MALE

1BT9-SP P197 — 90° ELBOW BSP MALE 60° SEAT /BSPT MALE

2B9 P198 — 90° ELBOW BSP MALE 60° SEAT/BSP FEMALE 60° CONE

3B9 P198 — 90° BSP FEMALE 60° CONE

5B9 P199 — 90° ELBOW BSP MALE 60° SEAT /BSP FEMALE ISO 1179

7B9-PK P199 — 90° ELBOW BSP FEMALE ISO 1179

AB P200 — BSP MALE 60° SEAT TEE

JIS BSP THREAD 60° CONE ADAPTERS

1ST-SP P201 — JIS GAS MALE 60° CONE/BSPT MALE

1ST9-SP P202 — 90° ELBOW JIS GAS MALE 60° CONE /BSPT MALE

BSPT THREAD ADAPTERS

1T-SP P203 — BSPT MALE

1T9-SP P204 — 90° ELBOW BSPT MALE

4T-SP P205 — BSPT MALE PLUG

4TN P205 — BSPT MALE HOLLOW HEX PLUG

5T-SP P206 — BSPT MALE /BSPT FEMALE

5T9-SP P207 — 90° ELBOW BSPT MALE /BSPT FEMALE

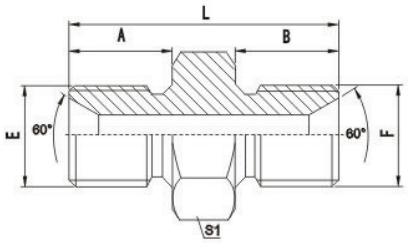
7T P207 — BSPT FEMALE

7T9-PK P208 — 90° ELBOW BSPT FEMALE

GT-PK P208 — BSPT FEMALE TEE

ZT P209 — BSPT FEMALE CROSS

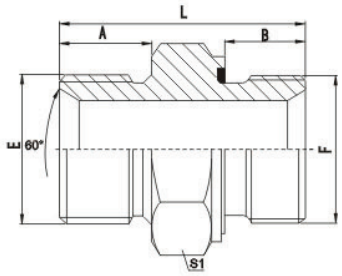
5GT P209 — BSP MALE O-RING/ BSPT FEMALE



1B

BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL

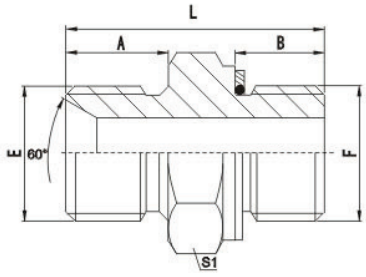
PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1B-02	G1/8"X28	G1/8"X28	10	10	26	14
1B-02-04	G1/8"X28	G1/4"X19	10	12	28	19
1B-02-06	G1/8"X28	G3/8"X19	10	13.5	31.5	22
1B-02-08	G1/8"X28	G1/2"X14	10	16	36	27
1B-04	G1/4"X19	G1/4"X19	12	12	30	19
1B-04-06	G1/4"X19	G3/8"X19	12	13.5	33.5	22
1B-04-08	G1/4"X19	G1/2"X14	12	16	38	27
1B-04-10	G1/4"X19	G5/8"X14	12	17.5	39.5	30
1B-06	G3/8"X19	G3/8"X19	13.5	13.5	33	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	42	30
1B-06-12	G3/8"X19	G3/4"X14	13.5	18.5	43	32
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-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-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-16	G1"X11	G1"X11	20.5	20.5	54	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-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-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	68	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



1B-WD

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

PART NO.	THREAD		O-RING	DIMENSIONS			
	E	F	F	A	B	L	S1
1B-04WD	G1/4"X19	G1/4"X19	WD-B04	12	12	32	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-06-08WD	G3/8"X19	G1/2"X14	WD-B08	13.5	14	40.5	27
1B-08WD	G1/2"X14	G1/2"X14	WD-B08	16	14	43	27
1B-08-12WD	G1/2"X14	G3/4"X14	WD-B12	16	16	46	32
1B-12WD	G3/4"X14	G3/4"X14	WD-B12	18.5	16	46.5	32
1B-12-16WD	G3/4"X14	G1"X11	WD-B16	18.5	18	52.5	41
1B-16WD	G1"X11	G1"X11	WD-B16	20.5	18	54.5	41
1B-16-20WD	G1"X11	G1.1/4"X11	WD-B20	20.5	20	58.5	50
1B-20WD	G1.1/4"X11	G1.1/4"X11	WD-B20	20.5	20	58.5	50

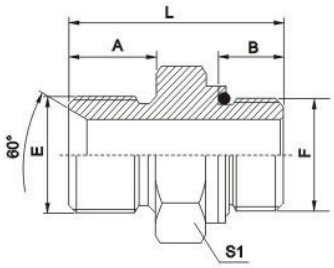


1BG

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

PART NO.	THREAD		O-RING	DIMENSIONS			
	E	F	F	A	B	L	S1
1BG-02	G1/8"X28	G1/8"X28	O011	10	9.5	27	14
1BG-04	G1/4"X19	G1/4"X19	O111	12	11	31	19
1BG-04-06	G1/4"X19	G3/8"X19	O113	12	11.5	32	22
1BG-06	G3/8"X19	G3/8"X19	O113	13.5	11.5	33	22
1BG-06-04	G3/8"X19	G1/4"X19	O111	13.5	11	32.5	22
1BG-06-08	G3/8"X19	G1/2"X14	O115	13.5	14	38.5	27
1BG-08	G1/2"X14	G1/2"X14	O115	16	14	41	27
1BG-08-06	G1/2"X14	G3/8"X19	O113	16	11.5	36	27
1BG-08-12	G1/2"X14	G3/4"X14	O119	16	15.5	45.5	32
1BG-10-08	G5/8"X14	G1/2"X14	O115	17.5	14	44.5	30
1BG-12	G3/4"X14	G3/4"X14	O119	18.5	15.5	46	32
1BG-12-08	G3/4"X14	G1/2"X14	O115	18.5	14	45.5	32
1BG-16-08	G1"X11	G1/2"X14	O115	20.5	14	50.5	41
1BG-16	G1"X11	G1"X11	O217	20.5	18	53	41
1BG-16-12	G1"X11	G3/4"X14	O119	20.5	15.5	52	41
1BG-20	G1.1/4"X11	G1.1/4"X11	O222	20.5	20	58.5	50
1BG-24	G1.1/2"X11	G1.1/2"X11	O224	23	21.5	62.5	55

F end is connected with DIN 3852 port.

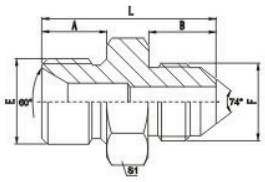


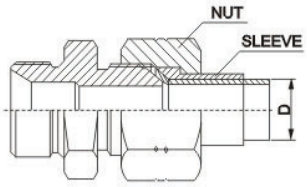
1BH

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	O08.1X1.6	10	8.5	14	25
1BH-02-12	G1/8"X28	M12X1.5	O09.3X2.4	10	11	17	28
1BH-04-12	G1/4"X19	M12X1.5	O09.3X2.4	12	11	19	30
1BH-04-14	G1/4"X19	M14X1.5	O11.3X2.4	12	11	19	31.5
1BH-04-16	G1/4"X19	M16X1.5	O13.3X2.4	12	11.5	22	31.5
1BH-06-14	G3/8"X19	M14X1.5	O11.3X2.4	13.5	11	22	35
1BH-06-16	G3/8"X19	M16X1.5	O13.3X2.4	13.5	11.5	22	33
1BH-06-18	G3/8"X19	M18X1.5	O15.3X2.4	13.5	12.5	24	36.5
1BH-08-18	G1/2"X14	M18X1.5	O15.3X2.4	16	12.5	27	41
1BH-08-22	G1/2"X14	M22X1.5	O19.3X2.4	16	13	27	41.5
1BH-10-22	G5/8"X14	M22X1.5	O19.3X2.4	17.5	13	30	43
1BH-12-16	G3/4"X14	M16X1.5	O13.3X2.4	18.5	11.5	32	43.5
1BH-12-22	G3/4"X14	M22X1.5	O19.3X2.4	18.5	13	32	45
1BH-12-27	G3/4"X14	M27X2	O23.5X3.0	18.5	16	32	45.5
1BH-16-27	G1"X11	M27X2	O23.5X3.0	20.5	16	41	49
1BH-16-33	G1"X11	M33X2	O29.5X3.0	20.5	16	41	49.5
1BH-20-42	G1.1/4"X11	M42X2	O38.5X3.0	20.5	16	50	51.5
1BH-24-48	G1.1/2"X11	M48X2	O44.5X3.0	23	17.5	55	55.5

NOTE: fit for ISO 9974-1 port or ISO 6149-1 port when useless of retaining ring.





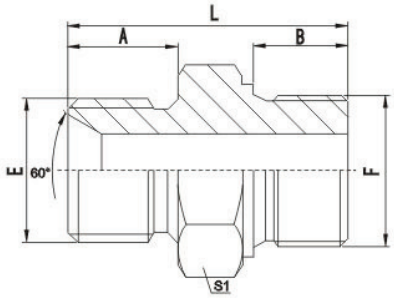
1BJ

BSP MALE DOUBLE USE FOR 60° SEAT
OR BONDED SEAL/JIC MALE 74° CONE

PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1BJ-02-04	G1/8"X28	7/16"X20	10	14	30	14
1BJ-02-05	G1/8"X28	1/2"X20	10	14	30	14
1BJ-02-06	G1/8"X28	9/16"X18	10	14.1	30	17
1BJ-04	G1/4"X19	7/16"X20	12	14	32	19
1BJ-04-05	G1/4"X19	1/2"X20	12	14	32	19
1BJ-04-06	G1/4"X19	9/16"X18	12	14.1	32	19
1BJ-04-08	G1/4"X19	3/4"X16	12	16.7	36.5	22
1BJ-04-10	G1/4"X19	7/8"X14	12	19.3	39	24
1BJ-06	G3/8"X19	9/16"X18	13.5	14.1	35.5	22
1BJ-06-04	G3/8"X19	7/16"X20	13.5	14	35.5	22
1BJ-06-05	G3/8"X19	1/2"X20	13.5	14	35.5	22
1BJ-06-08	G3/8"X19	3/4"X16	13.5	16.7	38.5	22
1BJ-06-10	G3/8"X19	7/8"X14	13.5	19.3	41	24
1BJ-06-12	G3/8"X19	1.1/16"X12	13.5	21.9	45	30
1BJ-08	G1/2"X14	3/4"X16	16	16.7	43	27
1BJ-08-04	G1/2"X14	7/16"X20	16	14	40	27
1BJ-08-05	G1/2"X14	1/2"X20	16	14	40	27
1BJ-08-06	G1/2"X14	9/16"X18	16	14.1	40	27
1BJ-08-10	G1/2"X14	7/8"X14	16	19.3	45.5	27
1BJ-08-12	G1/2"X14	1.1/16"X12	16	21.9	48	30
1BJ-08-14	G1/2"X14	1.3/16"X12	16	22.6	49.5	32
1BJ-08-16	G1/2"X14	1.5/16"X12	16	23.1	50	36
1BJ-10	G5/8"X14	7/8"X14	17.5	19.3	47	30
1BJ-10-08	G5/8"X14	3/4"X16	17.5	16.7	44	30
1BJ-10-12	G5/8"X14	1.1/16"X12	17.5	21.9	49.5	30
1BJ-10-16	G5/8"X14	1.5/16"X12	17.5	23.1	51.5	36
1BJ-12	G3/4"X14	1.1/16"X12	18.5	21.9	51.5	32
1BJ-12-06	G3/4"X14	9/16"X18	18.5	14.1	43.5	32
1BJ-12-08	G3/4"X14	3/4"X16	18.5	16.7	46.5	32
1BJ-12-10	G3/4"X14	7/8"X14	18.5	19.3	49	32
1BJ-12-14	G3/4"X14	1.3/16"X12	18.5	22.6	52	32
1BJ-12-16	G3/4"X14	1.5/16"X12	18.5	23.1	52.5	34
1BJ-12-20	G3/4"X14	1.5/8"X12	18.5	24.3	55.5	46
1BJ-16	G1"X11	1.5/16"X12	20.5	23.1	57	41
1BJ-16-08	G1"X11	3/4"X16	20.5	16.7	50	41
1BJ-16-10	G1"X11	7/8"X14	20.5	19.3	53	41
1BJ-16-12	G1"X11	1.1/16"X12	20.5	21.9	55.5	41
1BJ-16-14	G1"X11	1.3/16"X12	20.5	22.6	56	41
1BJ-16-20	G1"X11	1.5/8"X12	20.5	24.3	58	46

PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1BJ-20	G1.1/4"X11	1.5/8"X12	20.5	24.3	62	50
1BJ-20-12	G1.1/4"X11	1.1/16"X12	20.5	21.9	57.5	50
1BJ-20-16	G1.1/4"X11	1.5/16"X12	20.5	23.1	60.5	50
1BJ-20-24	G1.1/4"X11	1.7/8"X12	20.5	27.5	63	50
1BJ-24-16	G1.1/2"X11	1.5/16"X12	23	23.1	61	55
1BJ-24-20	G1.1/2"X11	1.5/8"X12	23	24.3	62.5	55
1BJ-24	G1.1/2"X11	1.7/8"X12	23	27.5	67.5	55
1BJ-24-32	G1.1/2"X11	2.1/2"X12	23	33.9	74	65
1BJ-32	G2"X11	2.1/2"X12	25.5	33.9	77.5	70
1BJ-32-24	G2"X11	1.7/8"X12	25.5	27.5	70	70

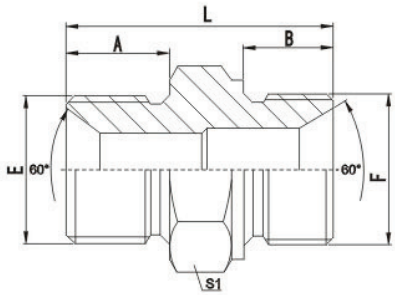
Nut and sleeve should be ordered separately.The nut NB200 and sleeve NB500 is suitable for metric tube,the nut NB200 andsleeve NB300 is suitable for inch tube.



1BL

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

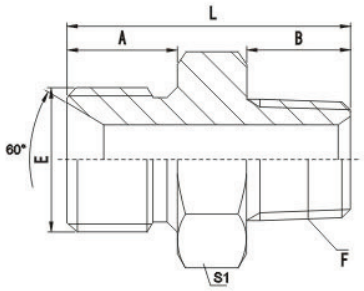
PART NO.	THREAD		SEAL	DIMENSIONS			
	E	F	F	A	B	L	S1
1BL-02-10	G1/8"X28	M10X1	ZHD-10	10	8	25	17
1BL-04-10	G1/4"X19	M10X1	ZHD-10	12	8	27	19
1BL-04-14	G1/4"X19	M14X1.5	ZHD-14	12	12	31	19
1BL-06-14	G3/8"X19	M14X1.5	ZHD-14	13.5	12	35	22
1BL-06-16	G3/8"X19	M16X1.5	ZHD-16	13.5	12	34	22
1BL-06-18	G3/8"X19	M18X1.5	ZHD-18	13.5	12	33.5	24
1BL-08-16	G1/2"X14	M16X1.5	ZHD-16	16	12	38	27
1BL-08-18	G1/2"X14	M18X1.5	ZHD-18	16	12	38	27
1BL-08-22	G1/2"X14	M22X1.5	ZHD-22	16	14	41.5	30
1BL-10-33	G5/8"X14	M33X2	ZHD-33	17.5	18	48.5	41
1BL-12-16	G3/4"X14	M16X1.5	ZHD-16	18.5	12	41.5	32
1BL-12-22	G3/4"X14	M22X1.5	ZHD-22	18.5	14	43.5	30
1BL-12-27	G3/4"X14	M27X2	ZHD-27	18.5	16	45.5	36
1BJ-12-33	G3/4"X14	M33X2	ZHD-33	18.5	18	49.5	41
1BL-16-27	G1"X11	M27X2	ZHD-27	20.5	16	51.5	41
1BL-16-33	G1"X11	M33X2	ZHD-33	20.5	18	53.5	41
1BL-20-42	G1.1/4"X11	M42X2	ZHD-42	20.5	20	56.5	50



1BM

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

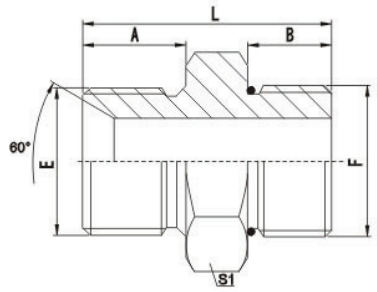
PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1BM-02-10	G1/8"X28	M10X1	10	8	25	14
1BM-02-12	G1/8"X28	M12X1.5	10	10	27	17
1BM-04-12	G1/4"X19	M12X1.5	12	10	29	19
1BM-04-14	G1/4"X19	M14X1.5	12	11	30	19
1BM-04-16	G1/4"X19	M16X1.5	12	12	33	22
1BM-04-18	G1/4"X19	M18X1.5	12	12	33	24
1BM-06-10	G3/8"X19	M10X1	13.5	8	29.5	22
1BM-06-12	G3/8"X19	M12X1.5	13.5	10	31.5	22
1BM-06-14	G3/8"X19	M14X1.5	13.5	11	32.5	22
1BM-06-16	G3/8"X19	M16X1.5	13.5	12	33.5	22
1BM-06-18	G3/8"X19	M18X1.5	13.5	12	34.5	24
1BM-06-20	G3/8"X19	M20X1.5	13.5	14	38.5	27
1BM-06-22	G3/8"X19	M22X1.5	13.5	14	38.5	27
1BM-08-14	G1/2"X14	M14X1.5	16	11	38	27
1BM-08-16	G1/2"X14	M16X1.5	16	12	39	27
1BM-08-18	G1/2"X14	M18X1.5	16	12	39	27
1BM-08-20	G1/2"X14	M20X1.5	16	14	41	27
1BM-08-22	G1/2"X14	M22X1.5	16	14	41	27
1BM-08-24	G1/2"X14	M24X1.5	16	14	41	30
1BM-08-26	G1/2"X14	M26X1.5	16	16	44	32
1BM-08-27D	G1/2"X14	M27X1.5	16	16	44	32
1BM-08-30	G1/2"X14	M30X1.5	16	18	45	36
1BM-10-22	G5/8"X14	M22X1.5	17.5	14	42.5	30
1BM-10-26	G5/8"X14	M26X1.5	17.5	16	45.5	32
1BM-12-18	G3/4"X14	M18X1.5	18.5	12	42.5	32
1BM-12-20	G3/4"X14	M20X1.5	18.5	14	44.5	32
1BM-12-22	G3/4"X14	M22X1.5	18.5	14	44.5	32
1BM-12-24	G3/4"X14	M24X1.5	18.5	14	44.5	32
1BM-12-26	G3/4"X14	M26X1.5	18.5	16	46.5	32
1BM-12-27	G3/4"X14	M27X2	18.5	16	46.5	32
1BM-12-27D	G3/4"X14	M27X1.5	18.5	16	46.5	32
1BM-12-30	G3/4"X14	M30X2	18.5	18	47.5	36
1BM-12-30D	G3/4"X14	M30X1.5	18.5	18	47.5	36
1BM-16-14	G1"X11	M14X1.5	20.5	11	45.5	41
1BM-16-22	G1"X11	M22X1.5	20.5	14	48.5	41



1BN

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

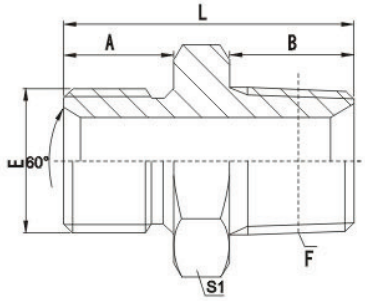
PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1BN-02	G1/8"X28	Z1/8"X27	10	10.5	26	14
1BN-02-04	G1/8"X28	Z1/4"X18	10	15	31	17
1BN-04	G1/4"X19	Z1/4"X18	12	15	33	19
1BN-04-02	G1/4"X19	Z1/8"X27	12	10.5	28	19
1BN-04-06	G1/4"X19	Z3/8"X18	12	16	34	19
1BN-04-08	G1/4"X19	Z1/2"X14	12	19.5	39.5	22
1BN-06	G3/8"X19	Z3/8"X18	13.5	16	37.5	22
1BN-06-04	G3/8"X19	Z1/4"X14	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-12-06	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-16-12	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



1BO

BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL/
SAE O-RING BOSS L-SERIES ISO 11926-3

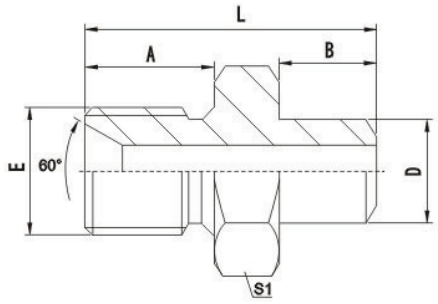
PART NO.	THREAD		O–RING	DIMENSIONS			
	E	F	F	A	B	L	S1
1BO-04	G1/4"X19	7/16"X20	O904	12	9.1	29.5	19
1BO-04-05	G1/4"X19	1/2"X20	O905	12	9.1	29.5	19
1BO-04-06	G1/4"X19	9/16"X18	O906	12	9.9	32	19
1BO-04-08	G1/4"X19	3/4"X16	O908	12	11.1	31	22
1BO-06	G3/8"X19	9/16"X18	O906	13.5	9.9	33.5	22
1BO-06-04	G3/8"X19	7/16"X20	O904	13.5	9.1	33	22
1BO-06-08	G3/8"X19	3/4"X16	O908	13.5	11.1	36	24
1BO-06-10	G3/8"X19	7/8"X14	O910	13.5	12.7	39.5	27
1BO-08	G1/2"X14	3/4"X16	O908	16	11.1	38	27
1BO-08-06	G1/2"X14	9/16"X18	O906	16	9.9	36	27
1BO-08-10	G1/2"X14	7/8"X14	O910	16	12.7	42	27
1BO-08-12	G1/2"X14	1.1/16"X12	O912	16	15.1	42.5	36
1BO-10	G5/8"X14	7/8"X14	O910	17.5	12.7	43.5	30
1BO-10-08	G5/8"X14	3/4"X16	O908	17.5	11.1	41.5	30
1BO-10-12	G5/8"X14	1.1/16"X12	O912	17.5	15.1	47	34
1BO-12	G3/4"X14	1.1/16"X12	O912	18.5	15.1	48	34
1BO-12-08	G3/4"X14	3/4"X16	O908	18.5	11.1	40.5	32
1BO-12-10	G3/4"X14	7/8"X14	O910	18.5	12.7	45.5	32
1BO-12-14	G3/4"X14	1.3/16"X12	O914	18.5	15.1	48	38
1BO-12-16	G3/4"X14	1.5/16"X12	O916	18.5	15.1	50.7	41
1BO-16	G1"X11	1.5/16"X12	O916	20.5	15.1	52.6	41
1BO-16-10	G1"X11	7/8"X14	O910	20.5	12.7	49.5	41
1BO-16-12	G1"X11	1.1/16"X12	O912	20.5	15.1	52	41
1BO-16-14	G1"X11	1.3/16"X12	O914	20.5	15.1	52	41
1BO-16-20	G1"X11	1.5/8"X12	O920	20.5	15.1	54.7	50
1BO-20	G1.1/4"X11	1.5/8"X12	O920	20.5	15.1	54.7	50
1BO-20-16	G1.1/4"X11	1.5/16"X12	O916	20.5	15.1	54.7	50
1BO-24	G1.1/2"X11	1.7/8"X12	O924	23	15.1	57	55



1BT-SP

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

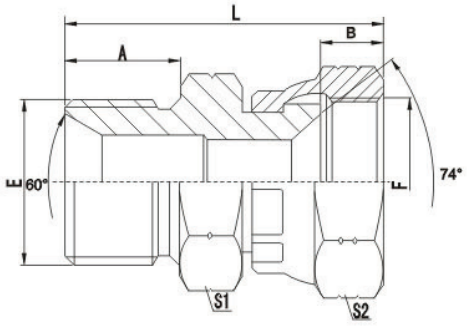
PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1BT-02SP	G1/8"X28	R1/8"X28	10	10	26	14
1BT-02-04SP	G1/8"X28	R1/4"X19	10	14.5	30.5	14
1BT-04SP	G1/4"X19	R1/4"X19	12	14.5	32	19
1BT-04-02SP	G1/4"X19	R1/8"X28	12	10	28	19
1BT-04-06SP	G1/4"X19	R3/8"X19	12	15	32	19
1BT-04-08SP	G1/4"X19	R1/2"X14	12	20	40	24
1BT-06SP	G3/8"X19	R3/8"X19	13.5	15	35.5	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-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-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	54	36
1BT-12SP	G3/4"X14	R3/4"X14	18.5	20	48.5	32
1BT-12-08SP	G3/4"X14	R1/2"X14	18.5	20	49.5	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-16SP	G1"X11	R1"X11	20.5	25.5	58	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-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-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	R2.1/2"X11	32	34	83	90
1BT-48SP	G3"X11	R3"X11	36	38	94	100



1BW

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

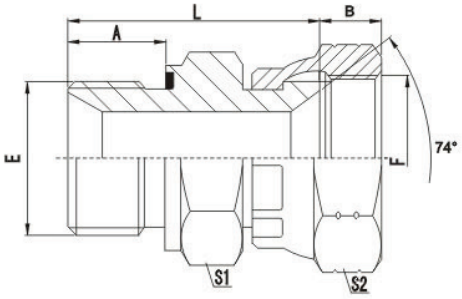
PART NO.	THREAD	TUBE O.D.	DIMENSIONS				
	E		A	B	D	L	S1
1BW-04-10	G1/4"X19	10	12	7	10	25	19
1BW-06-14	G3/8"X19	14	13.5	8	14	29.5	22
1BW-08-18	G1/2"X14	18	16	10	18	36	27
1BW-12-22	G3/4"X14	22	18.5	10	22	39.5	32
1BW-12-28	G3/4"X14	28	18.5	12	28	41.5	32
1BW-16-28	G1"X11	28	20.5	12	28	45.5	41
1BW-16-30	G1"X11	30	20.5	12	30	45.5	41
1BW-20-34	G1.1/4"X11	34	20.5	14	34	49.5	50
1BW-20-36	G1.1/4"X11	36	20.5	14	36	49.5	50
1BW-20-42	G1.1/4"X11	42	20.5	16	42	51.5	50
1BW-24-36	G1.1/2"X11	36	23	14	36	52	55
1BW-24-42	G1.1/2"X11	42	23	16	42	54	55
1BW-24-50	G1.1/2"X11	50	23	16	50	54	55



2BJ

BSP MALE DOUBLE USE FOR 60°
SEAT OR BONDED SEAL/JIC FEMALE 74° SEAT

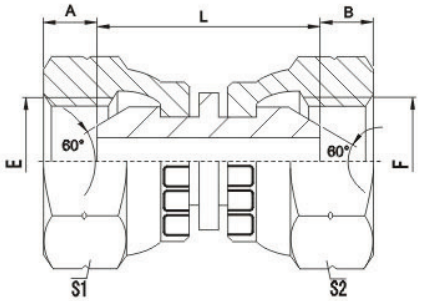
PART NO.	THREAD		DIMENSIONS				
	E	F	A	B	L	S1	S2
2BJ-02-04	G1/8"X28	7/16"X20	10	9	24	14	15
2BJ-02-06	G1/8"X28	9/16"X18	10	10.5	24.5	14	19
2BJ-04	G1/4"X19	7/16"X20	12	9	26	19	15
2BJ-04-05	G1/4"X19	1/2"X20	12	9.5	26.5	19	17
2BJ-04-06	G1/4"X19	9/16"X18	12	10.5	27	19	19
2BJ-04-08	G1/4"X19	3/4"X16	12	11	29	19	24
2BJ-06	G3/8"X19	9/16"X18	13.5	10.5	30.5	22	19
2BJ-06-08	G3/8"X19	3/4"X16	13.5	11	32.5	22	24
2BJ-06-10	G3/8"X19	7/8"X14	13.5	13	33	22	27
2BJ-08	G1/2"X14	3/4"X16	16	11	37	27	24
2BJ-08-06	G1/2"X14	9/16"X18	16	10.5	35	27	19
2BJ-08-10	G1/2"X14	7/8"X14	16	13	37.5	27	27
2BJ-10	G5/8"X14	7/8"X14	17.5	14	37.5	30	27
2BJ-12	G3/4"X14	1.1/16"X12	18.5	15	42	32	32
2BJ-12-08	G3/4"X14	3/4"X16	18.5	11	40	32	24
2BJ-12-10	G3/4"X14	7/8"X14	18.5	13	41	32	27
2BJ-12-16	G3/4"X14	1.5/16"X12	18.5	16	42	32	41
2BJ-16	G1"X11	1.5/16"X12	20.5	16	46	41	41
2BJ-16-20	G1"X11	1.5/8"X12	20.5	17	50	41	50
2BJ-20	G1.1/4"X11	1.5/8"X12	20.5	17	52	50	50
2BJ-20-24	G1.1/4"X11	1.7/8"X12	20.5	20	53.5	50	55
2BJ-24	G1.1/2"X11	1.7/8"X12	23	20	56.5	55	55
2BJ-32	G2"X11	2.1/2"X12	25.5	24.5	60	70	75



2BJ-WD

BSP MALE CAPTIVE SEAL /
JIC FEMALE 74° SEAT

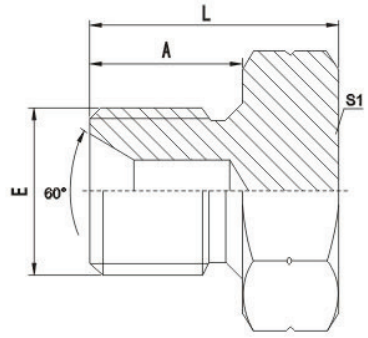
PART NO.	THREAD		CAPTIVE	DIMENSIONS				
	E	F	E	A	B	L	S1	S2
2BJ-02-04WD	G1/8"X28	7/16"X20	WD-B02	8	9	23.5	14	15
2BJ-04-05WD	G1/4"X19	1/2"X20	WD-B04	12	9.5	28.5	19	17
2BJ-04-06WD	G1/4"X19	9/16"X18	WD-B04	12	10.5	28.5	19	19
2BJ-04-08WD	G1/4"X19	3/4"X16	WD-B04	12	11	30.5	19	24
2BJ-04WD	G1/4"X19	7/16"X20	WD-B04	12	9	28	19	15
2BJ-06-08WD	G3/8"X19	3/4"X16	WD-B06	12	11	33	22	24
2BJ-06WD	G3/8"X19	9/16"X18	WD-B06	12	10.5	31	22	19
2BJ-08-06WD	G1/2"X14	9/16"X18	WD-B08	14	10.5	33.5	27	19
2BJ-08-10WD	G1/2"X14	7/8"X14	WD-B08	14	13	38	27	27
2BJ-08WD	G1/2"X14	3/4"X16	WD-B08	14	11	37.5	27	24
2BJ-12-16WD	G3/4"X14	1.5/16"X12	WD-B12	16	16	42.5	32	41
2BJ-12WD	G3/4"X14	1.1/16"X12	WD-B12	16	15	42.5	32	32
2BJ-16WD	G1"X11	1.5/16"X12	WD-B16	18	16	46.5	41	41
2BJ-20-16WD	G1.1/4"X11	1.5/16"X12	WD-B20	20	16	50.5	50	41
2BJ-20WD	G1.1/4"X11	1.5/8"X12	WD-B20	20	17	54.5	50	50
2BJ-24WD	G1.1/2"X11	1.7/8"X12	WD-B24	22	20	58.5	55	55



3B

BSP FEMALE 60° CONE

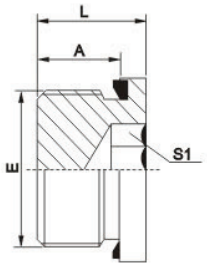
PART NO.	THREAD		DIMENSIONS				
	E	F	A	B	L	S1	S2
3B-02	G1/8"X28	G1/8"X28	5.5	5.5	21	14	14
3B-02-04	G1/8"X28	G1/4"X19	5.5	5.5	23	14	19
3B-04	G1/4"X19	G1/4"X19	5.5	5.5	25	19	19
3B-04-06	G1/4"X19	G3/8"X19	5.5	6.3	26.5	19	22
3B-04-08	G1/4"X19	G1/2"X14	5.5	7.5	28.5	19	27
3B-06	G3/8"X19	G3/8"X19	6.3	6.3	27	22	22
3B-06-08	G3/8"X19	G1/2"X14	6.3	7.5	29.5	22	27
3B-08	G1/2"X14	G1/2"X14	7.5	7.5	31	27	27
3B-08-10	G1/2"X14	G5/8"X14	7.5	9.5	31.5	27	30
3B-08-12	G1/2"X14	G3/4"X14	7.5	10.9	32.5	27	32
3B-10	G5/8"X14	G5/8"X14	9.5	9.5	31.5	30	30
3B-10-12	G5/8"X14	G3/4"X14	9.5	10.9	33	30	32
3B-12	G3/4"X14	G3/4"X14	10.9	10.9	33.5	32	32
3B-12-16	G3/4"X14	G1"X11	10.9	11.7	35	32	41
3B-16	G1"X11	G1"X11	11.7	11.7	36.5	41	41
3B-16-20	G1"X11	G1.1/4"X11	11.7	11	37.5	41	50
3B-20	G1.1/4"X11	G1.1/4"X11	11	11	40	50	50
3B-24	G1.1/2"X11	G1.1/2"X11	13	13	42	55	55
3B-32	G2"X11	G2"X11	16	16	47	70	70



4B

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

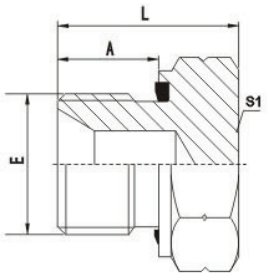
PART NO.	THREAD	DIMENSIONS		
	E	A	L	S1
4B-02	G1/8"X28	10	16	14
4B-04	G1/4"X19	12	18	19
4B-06	G3/8"X19	13.5	21.5	22
4B-08	G1/2"X14	16	26	27
4B-10	G5/8"X14	17.5	27.5	30
4B-12	G3/4"X14	18.5	29.5	32
4B-16	G1"X11	20.5	34	41
4B-20	G1.1/4"X11	20.5	37.5	50
4B-24	G1.1/2"X11	23	40	55
4B-32	G2"X11	25.5	43.5	70



4BN-WD

BSP MALE CAPTIVE SEAL HOLLOW HEX PLUG

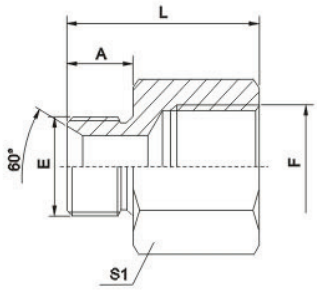
PART NO.	THREAD	CAPTIVE	DIMENSIONS		
	E	E	A	L	S1
4BN-02WD	G1/8"X28	WD-B02	8	12.2	5
4BN-04WD	G1/4"X19	WD-B04	12	17.2	6
4BN-06WD	G3/8"X19	WD-B06	12	17.2	8
4BN-08WD	G1/2"X14	WD-B08	14	19.2	10
4BN-12WD	G3/4"X14	WD-B12	16	21.2	12
4BN-16WD	G1"X11	WD-B16	16	22.8	17
4BN-20WD	G1.1/4"X11	WD-B20	20	26.8	22
4BN-24WD	G1.1/2"X11	WD-B24	22	28.8	24



4B-WD

BSP MALE CAPTIVE SEAL PLUG

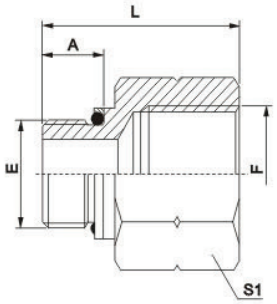
PART NO.	THREAD	CAPTIVE	DIMENSIONS		
	E	E	A	L	S1
4B-02WD	G1/8"X28	WD-B02	8	15.5	14
4B-04WD	G1/4"X19	WD-B04	12	19.6	19
4B-06WD	G3/8"X19	WD-B06	12	22.5	22
4B-08WD	G1/2"X14	WD-B08	14	25	27
4B-12WD	G3/4"X14	WD-B12	16	29	32
4B-16WD	G1"X11	WD-B16	16	35	41
4B-20WD	G1.1/4"X11	WD-B20	20	37	50
4B-24WD	G1.1/2"X11	WD-B24	22	40	55



5B

BSP MALE DOUBLE USE FOR 60° SEAT OR BONDED SEAL/
BSP FEMALE ISO 1179

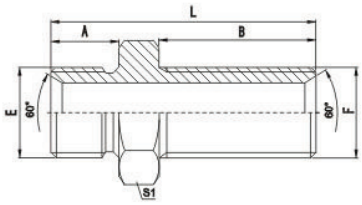
PART NO.	THREAD		DIMENSIONS		
	E	F	A	L	S1
5B-02-04	G1/8"X28	G1/4"X19	11	29	19
5B-04-02	G1/4"X19	G1/8"X28	12	28	19
5B-04	G1/4"X19	G1/4"X19	12	33	19
5B-04-06	G1/4"X19	G3/8"X19	12	36	22
5B-06-04	G3/8"X19	G1/4"X19	13.5	33.5	22
5B-06	G3/8"X19	G3/8"X19	13.5	37.5	22
5B-06-08	G3/8"X19	G1/2"X14	13.5	42.5	27
5B-08-06	G1/2"X14	G3/8"X19	16	38	27
5B-08	G1/2"X14	G1/2"X14	16	45	27
5B-08-10	G1/2"X14	G5/8"X14	16	46	30
5B-08-12	G1/2"X14	G3/4"X14	16	44.5	36
5B-10-08	G5/8"X14	G1/2"X14	16	41.5	30
5B-12-08	G3/4"X14	G1/2"X14	18.5	44.5	32
5B-12	G3/4"X14	G3/4"X14	18.5	48	36
5B-12-16	G3/4"X14	G1"X11	18.5	53.5	41
5B-16-12	G1"X11	G3/4"X14	20.5	47.5	41
5B-16	G1"X11	G1"X11	20.5	55.5	41
5B-16-20	G1"X11	G1.1/4"X11	20.5	56.5	50
5B-20-16	G1.1/4"X11	G1"X11	20.5	49	50
5B-20	G1.1/4"X11	G1.1/4"X11	20.5	52.5	50
5B-20-24	G1.1/4"X11	G1.1/2"X11	20.5	57.5	55
5B-24	G1.1/2"X11	G1.1/2"X11	23	58	55
5B-32-24	G2"X11	G1.1/2"X11	26	59.5	70
5B-32	G2"X11	G2"X11	26	63	70



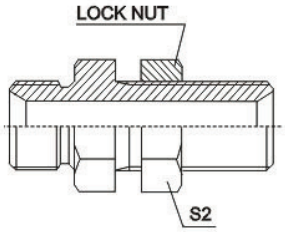
5GB

BSP MALE O-RING / BSP FEMALE ISO 1179

PART NO.	THREAD		O-RING	DIMENSIONS		
	E	F	E	A	L	S1
5GB-04	G1/4"X19	G1/4"X19	O111	11	32	19
5GB-04-06	G1/4"X19	G3/8"X19	O111	11	35	22
5GB-06	G3/8"X19	G3/8"X19	O113	11.5	36	22
5GB-06-08	G3/8"X19	G1/2"X14	O113	11.5	41	27
5GB-08	G1/2"X14	G1/2"X14	O115	14	41	27
5GB-08-12	G1/2"X14	G3/4"X14	O115	14	46	36
5GB-12	G3/4"X14	G3/4"X14	O119	15.5	46	36
5GB-12-16	G3/4"X14	G1"X11	O119	15.5	50	41
5GB-16-12	G1"X11	G3/4"X14	O217	18	47	41
5GB-16	G1"X11	G1"X11	O217	18	52.5	41



6B

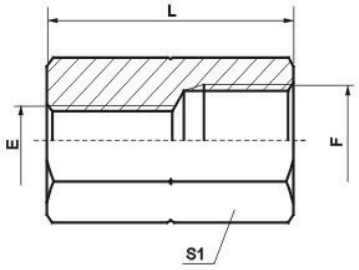


6B-LN

BSP MALE 60° SEAT BULKHEAD

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-06	G3/8"X19	G3/8"X19	13.5	35	56.5	22	22
6B-08	G1/2"X14	G1/2"X14	16	39	65	27	27
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-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

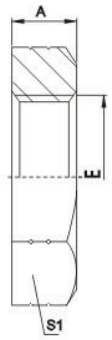
NOTE：In case if you are interested to order the adapter in complete set with lock nut, it is necessary to insert suffix "LN" after our part NO.,for example 6B-16LN,The lock nut NO.is 8B.



7B

BSP FEMALE ISO 1179

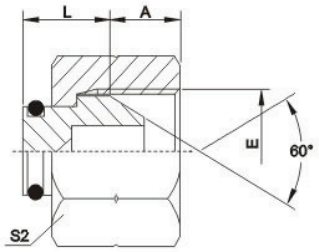
PART NO.	THREAD		DIMENSIONS	
	E	F	L	S1
7B-02	G1/8"X28	G1/8"X28	22	14
7B-02-04	G1/8"X28	G1/4"X19	24	19
7B-04	G1/4"X19	G1/4"X19	24	19
7B-04-06	G1/4"X19	G3/8"X19	29	22
7B-06	G3/8"X19	G3/8"X19	26	22
7B-06-08	G3/8"X19	G1/2"X14	33	27
7B-08	G1/2"X14	G1/2"X14	32	27
7B-08-10	G1/2"X14	G5/8"X14	36	30
7B-10	G5/8"X14	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-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



8B

BSP LOCK NUT

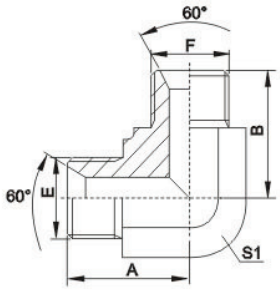
PART NO.	THREAD	DIMENSIONS	
	E	A	S1
8B-02	G1/8"X28	5.5	14
8B-04	G1/4"X19	6.5	19
8B-06	G3/8"X19	7	22
8B-08	G1/2"X14	9	27
8B-10	G5/8"X14	9	30
8B-12	G3/4"X14	10.5	32
8B-16	G1"X11	10.5	41
8B-20	G1.1/4"X11	10.5	50
8B-24	G1.1/2"X11	10.5	55
8B-32	G2"X11	10.5	70



9B

BSP FEMALE 60° CONE PLUG

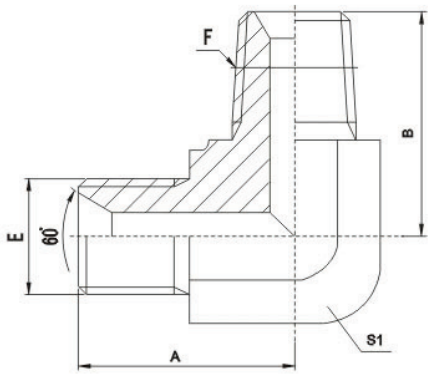
PART NO.	THREAD	DIMENSIONS		
	E	A	L	S2
9B-02	G1/8"X28	5.5	11.5	14
9B-04	G1/4"X19	5.5	13.5	19
9B-06	G3/8"X19	6.3	14.5	22
9B-08	G1/2"X14	7.5	16	27
9B-10	G5/8"X14	9.5	16.5	30
9B-12	G3/4"X14	10.9	17.5	32
9B-16	G1"X11	11.7	19	41
9B-20	G1.1/4"X11	11	21.5	50
9B-24	G1.1/2"X11	13	22	55
9B-32	G2"X11	16	26.5	70



1B9

90° ELBOW BSP MALE 60° SEAT

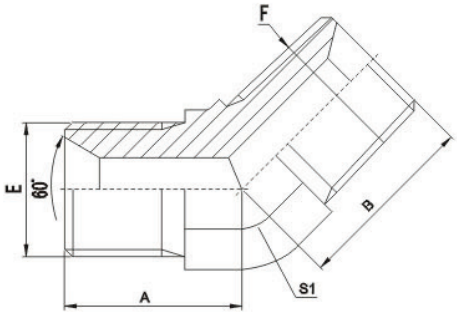
PART NO.	THREAD		DIMENSIONS		
	E	F	A	L	S2
1B9-02	G1/8"X28	G1/8"X28	19.8	19.8	11
1B9-02-04	G1/8"X28	G1/4"X19	23	25	14
1B9-04	G1/4"X19	G1/4"X19	24.5	24.5	14
1B9-04-06	G1/4"X19	G3/8"X19	26.5	27.5	16
1B9-06	G3/8"X19	G3/8"X19	27.5	27.5	16
1B9-06-08	G3/8"X19	G1/2"X14	31	34.5	22
1B9-08	G1/2"X14	G1/2"X14	34.5	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	37.5	39	30
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



1BN9

90° ELBOW BSP MALE 60° SEAT/NPT MALE

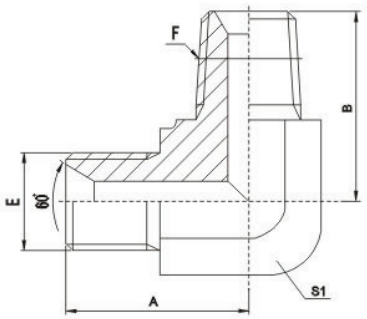
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
1BN9-04	G1/4"X19	Z1/4"X18	24.5	25.5	14
1BN9-04-02	G1/4"X19	Z1/8"X27	24.5	23.5	14
1BN9-06	G3/8"X19	Z3/8"X18	28.5	31	19
1BN9-06-04	G3/8"X19	Z1/4"X18	27.5	26.5	16
1BN9-06-08	G3/8"X19	Z1/2"X14	31	36.5	22
1BN9-06-12	G3/8"X19	Z3/4"X14	34.5	44	27
1BN9-08	G1/2"X14	Z1/2"X14	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	39	40	27
1BN9-12-16	G3/4"X14	Z1"X11.5	43	50	33
1BN9-16	G1"X11	Z1"X11.5	46	50	33
1BN9-16-12	G1"X11	Z3/4"X14	46	46.5	33



1BT4-SP

45° ELBOW BSP MALE 60° SEAT/BSPT MALE

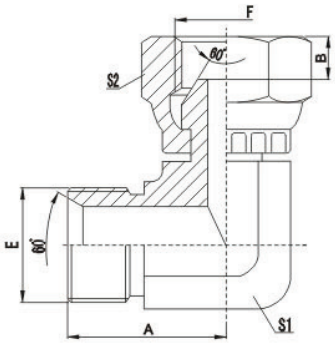
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
1BT4-02SP	G1/8"X28	R1/8"X28	17	17	11
1BT4-04SP	G1/4"X19	R1/4"X19	20.3	21	14
1BT4-04-06SP	G1/4"X19	R3/8"X19	20.5	23	16
1BT4-06SP	G3/8"X19	R3/8"X19	22	23	16
1BT4-06-04SP	G3/8"X19	R1/4"X19	22	21	16
1BT4-06-08SP	G3/8"X19	R1/2"X14	24	29.5	22
1BT4-06-12SP	G3/8"X19	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	29	35	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	51	60.5	63
1BT4-32SP	G2"X11	R2"X11	49.5	55.5	63
1BT4-32-24SP	G2"X11	R1.1/2"X11	51	52.5	63



1BT9-SP

90° ELBOW BSP MALE 60° SEAT/BSPT MALE

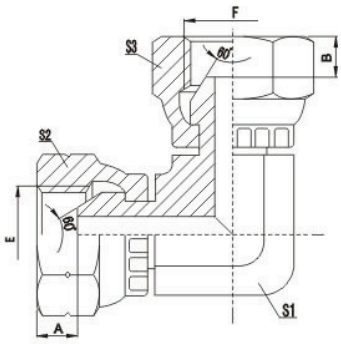
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
1BT9-02SP	G1/8"X28	R1/8"X28	20	21	11
1BT9-02-04SP	G1/8"X28	R1/4"X19	22.3	25.5	14
1BT9-04SP	G1/4"X19	R1/4"X19	24.5	25.5	14
1BT9-04-02SP	G1/4"X19	R1/8"X28	25	23.5	14
1BT9-04-06SP	G1/4"X19	R3/8"X19	25	28.5	16
1BT9-04-08SP	G1/4"X19	R1/2"X14	30	36	22
1BT9-06SP	G3/8"X19	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	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	54	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	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	66	75	63
1BT9-32SP	G2"X11	R2"X11	67	75	63
1BT9-32-24SP	G2"X11	R1.1/2"X11	68	72	63



2B9

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

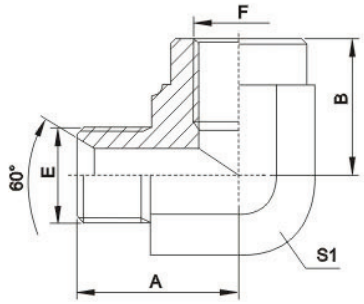
PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	S1	S2
2B9-02	G1/8"X28	G1/8"X28	19.8	5.5	11	14
2B9-04	G1/4"X19	G1/4"X19	24.5	5.5	14	19
2B9-04-06	G1/4"X19	G3/8"X19	25	6.3	14	22
2B9-06	G3/8"X19	G3/8"X19	27.5	6.3	16	22
2B9-06-04	G3/8"X19	G1/4"X19	27.5	5.5	16	19
2B9-08	G1/2"X14	G1/2"X14	34.5	7.5	22	27
2B9-08-06	G1/2"X14	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	72.5	16	63	70



3B9

90° BSP FEMALE 60° CONE

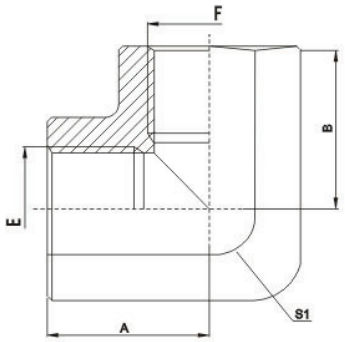
PART NO.	THREAD		DIMENSIONS				
	E	F	A	B	S1	S2	S3
3B9-02	G1/8"X28	G1/8"X28	5.5	5.5	11	14	14
3B9-04	G1/4"X19	G1/4"X19	5.5	5.5	11	19	19
3B9-06	G3/8"X19	G3/8"X19	6.3	6.3	14	22	22
3B9-08	G1/2"X14	G1/2"X14	7.5	7.5	19	27	27
3B9-10	G5/8"X14	G5/8"X14	9.5	9.5	19	30	30
3B9-12	G3/4"X14	G3/4"X14	10.9	10.9	24	32	32
3B9-16	G1"X11	G1"X11	11.7	11.7	30	41	41
3B9-20	G1.1/4"X11	G1.1/4"X11	11	11	41	50	50
3B9-24	G1.1/2"X11	G1.1/2"X11	13	13	48	55	55
3B9-32	G2"X11	G2"X11	16	16	63	70	70



5B9

45° ELBOW BSP MALE 60° SEAT/BSP FEMALE ISO 1179

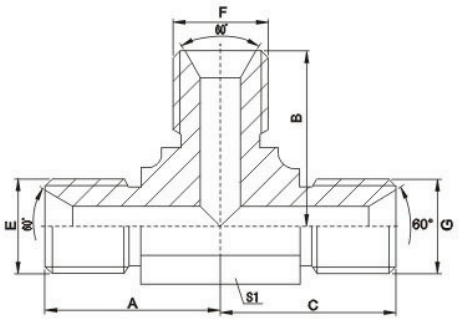
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
5B9-02	G1/8"X28	G1/8"X28	22.5	20	16
5B9-04	G1/4"X19	G1/4"X19	25.5	22	19
5B9-06	G3/8"X19	G3/8"X19	30.5	26	24
5B9-08	G1/2"X14	G1/2"X14	39	31	30
5B9-12	G3/4"X14	G3/4"X14	43.5	37	33
5B9-16	G1"X11	G1"X11	50.5	43	41
5B9-20	G1.1/4"X11	G1.1/4"X11	55	46	50



7B9-PK

90° ELBOW BSP FEMALE ISO 1179

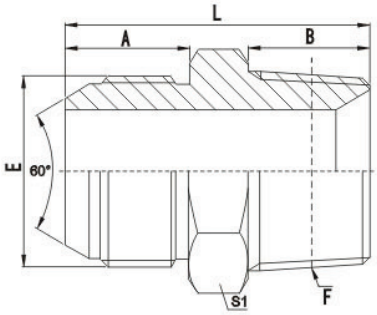
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
7B9-02PK	G1/8"X28	G1/8"X28	20	20	16
7B9-04PK	G1/4"X19	G1/4"X19	22.5	22.5	19
7B9-06PK	G3/8"X19	G3/8"X19	16	26	24
7B9-08PK	G1/2"X14	G1/2"X14	31	31	27
7B9-12PK	G3/4"X14	G3/4"X14	34	34	33
7B9-16PK	G1"X11	G1"X11	42	42	41
7B9-20PK	G1.1/4"X11	G1.1/4"X11	48	48	50
7B9-24PK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



AB

BSP MALE 60° SEAT TEE

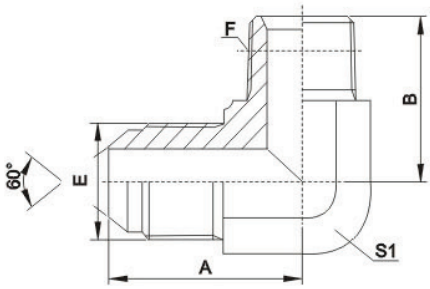
PART NO.	THREAD			DIMENSIONS			
	E	F	G	A	B	C	S1
AB-02	G1/8"X28	G1/8"X28	G1/8"X28	19.8	19.8	19.8	11
AB-04	G1/4"X19	G1/4"X19	G1/4"X19	24.5	24.5	24.5	14
AB-04-06-04	G1/4"X19	G3/8"X19	G1/4"X19	26.5	27.5	26.5	16
AB-06-04-06	G3/8"X19	G1/4"X19	G3/8"X19	27.5	26.5	27.5	16
AB-06	G3/8"X19	G3/8"X19	G3/8"X19	27.5	27.5	27.5	16
AB-06-08-06	G3/8"X19	G1/2"X14	G3/8"X19	31	34.5	31	22
AB-08-06-08	G1/2"X14	G3/8"X19	G1/2"X14	34.5	31	34.5	22
AB-08	G1/2"X14	G1/2"X14	G1/2"X14	34.5	34.5	34.5	22
AB-10	G5/8"X14	G5/8"X14	G5/8"X14	35	35	35	22
AB-12	G3/4"X14	G3/4"X14	G3/4"X14	40	40	40	27
AB-12-16-12	G3/4"X14	G1"X11	G3/4"X14	43.5	46	43.5	33
AB-16-12-16	G1"X11	G3/4"X14	G1"X11	46	43.5	46	33
AB-16	G1"X11	G1"X11	G1"X11	46	46	46	33
AB-20	G1.1/4"X11	G1.1/4"X11	G1.1/4"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
AB-32	G2"X11	G2"X11	G2"X11	72.5	72.5	72.5	63



1ST-SP

JIS GAS MALE 60° CONE/BSPT MALE

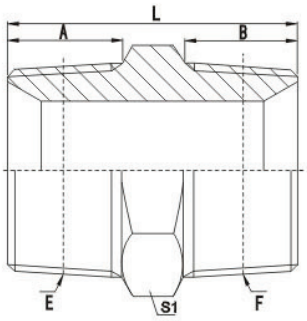
PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1ST-02SP	G1/8"X28	R1/8"X28	12	10	28	14
1ST-02-04SP	G1/8"X28	R1/4"X19	12	14.5	32.5	17
1ST-04SP	G1/4"X19	R1/4"X19	16	14.5	36.5	17
1ST-04-02SP	G1/4"X19	R1/8"X28	16	10	32	17
1ST-04-06SP	G1/4"X19	R3/8"X19	16	15	37	19
1ST-04-08SP	G1/4"X19	R1/2"X14	16	20	44	22
1ST-06SP	G3/8"X19	R3/8"X19	18	15	39	19
1ST-06-04SP	G3/8"X19	R1/4"X19	18	14.5	40.5	22
1ST-06-08SP	G3/8"X19	R1/2"X14	18	20	46	22
1ST-08SP	G1/2"X14	R1/2"X14	20	20	48	22
1ST-08-04SP	G1/2"X14	R1/4"X19	20	14.5	42.5	22
1ST-08-06SP	G1/2"X14	R3/8"X19	20	15	45	27
1ST-08-12SP	G1/2"X14	R3/4"X14	20	20	50	27
1ST-12SP	G3/4"X14	R3/4"X14	22	20	53	30
1ST-12-08SP	G3/4"X14	R1/2"X14	22	20	52	30
1ST-12-16SP	G3/4"X14	R1"X11	22	25.5	58.5	36
1ST-16SP	G1"X11	R1"X11	24	25.5	62.5	41
1ST-16-12SP	G1"X11	R3/4"X14	24	20	57	41
1ST-20SP	G1.1/4"X11	R1.1/4"X11	27	26.5	66	46
1ST-24SP	G1.1/2"X11	R1.1/2"X11	27	26.5	67.5	50
1ST-32SP	G2"X11	R2"X11	30	30	77	65



1ST9-SP

90° ELBOW JIS GAS MALE 60° CONE/BSPT MALE

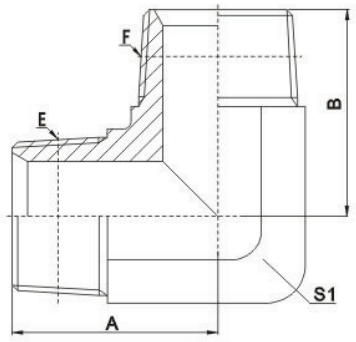
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
1ST9-02SP	G1/8"X28	R1/8"X28	21.8	21	11
1ST9-02-04SP	G1/8"X28	R1/4"X19	24.3	25.5	14
1ST9-04SP	G1/4"X19	R1/4"X19	29	25.5	14
1ST9-04-02SP	G1/4"X19	R1/8"X28	29	23.5	14
1ST9-04-06SP	G1/4"X19	R3/8"X19	30	28.5	16
1ST9-06SP	G3/8"X19	R3/8"X19	31.5	28.5	16
1ST9-06-04SP	G3/8"X19	R1/4"X19	31.5	26.5	16
1ST9-06-08SP	G3/8"X19	R1/2"X14	36	36	22
1ST9-08SP	G1/2"X14	R1/2"X14	38	36	22
1ST9-08-06SP	G1/2"X14	R3/8"X19	38	32.5	22
1ST9-08-12SP	G1/2"X14	R3/4"X14	41	43.5	27
1ST9-12SP	G3/4"X14	R3/4"X14	43	43.5	27
1ST9-12-08SP	G3/4"X14	R1/2"X14	43	39.5	27
1ST9-12-16SP	G3/4"X14	R1"X11	47	50	33
1ST9-16SP	G1"X11	R1"X11	48.5	50	33
1ST9-20SP	G1.1/4"X11	R1.1/4"X11	57	56.5	41
1ST9-24SP	G1.1/2"X11	R1.1/2"X11	61	62.5	48
1ST9-32SP	G2"X11	R2"X11	73.2	74.2	63



1T-SP

BSPT MALE

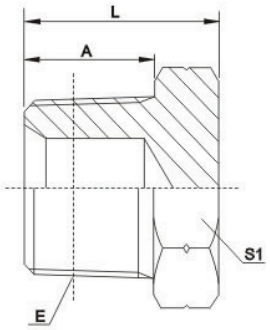
PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1T-02SP	R1/8"X28	R1/8"X28	10	10	26	12
1T-02-04SP	R1/8"X28	R1/4"X19	10	14.5	30.5	14
1T-02-06SP	R1/8"X28	R3/8"X19	10	15	31	17
1T-04SP	R1/4"X19	R1/4"X19	14.5	14.5	34	14
1T-04-06SP	R1/4"X19	R3/8"X19	14.5	15	35	17
1T-04-08SP	R1/4"X19	R1/2"X14	15	20	43	22
1T-06SP	R3/8"X19	R3/8"X19	15	15	36	17
1T-06-08SP	R3/8"X19	R1/2"X14	15	20	43	22
1T-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-12SP	R3/4"X14	R3/4"X14	20	20	48	27
1T-12-16SP	R3/4"X14	R1"X11	20	25.5	55.5	36
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-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



1T9-SP

90° ELBOW BSPT MALE

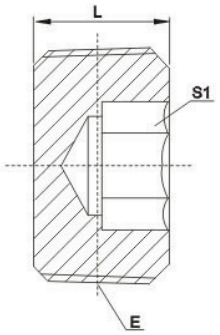
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
1T9-02SP	R1/8"X28	R1/8"X28	21	21	11
1T9-02-04SP	R1/8"X28	R1/4"X19	23.5	25.5	14
1T9-04SP	R1/4"X19	R1/4"X19	25.5	25.5	14
1T9-04-06SP	R1/4"X19	R3/8"X19	26.5	28.5	16
1T9-04-08SP	R1/4"X19	R1/2"X14	30.5	36	22
1T9-06SP	R3/8"X19	R3/8"X19	28.5	28.5	16
1T9-06-08SP	R3/8"X19	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	57.5	57.5	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

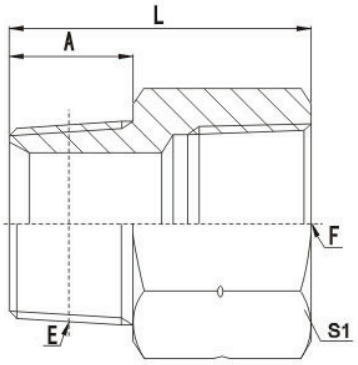
PART NO.	THREAD	DIMENSIONS		
	E	A	L	S1
4T-02SP	R1/8"X28	10	16	12
4T-04SP	R1/4"X19	14.5	20	14
4T-06SP	R3/8"X19	15	21	17
4T-08SP	R1/2"X14	20	27	22
4T-12SP	R3/4"X14	20	29	27
4T-16SP	R1"X11	25.5	36.5	36
4T-20SP	R1.1/4"X11	26.5	38.5	46
4T-24SP	R1.1/2"X11	26.5	42	50
4T-32SP	R2"X11	30	47	65



4TN

BSPT MALE HOLLOW HEX PLUG

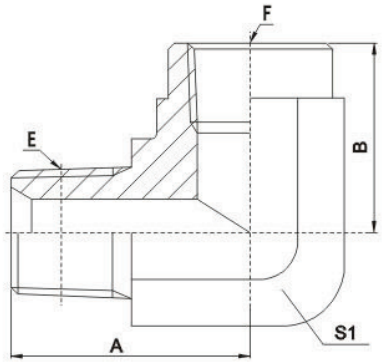
PART NO.	THREAD	DIMENSIONS	
	E	L	S1
4TN-02	R1/8"X28	8	5
4TN-04	R1/4"X19	10	6
4TN-06	R3/8"X19	12	8
4TN-08	R1/2"X14	15	10
4TN-12	R3/4"X14	18	12
4TN-16	R1"X11	20	17
4TN-20	R1.1/4"X11	22	22



5T-SP

BSPT MALE / BSPT FEMALE

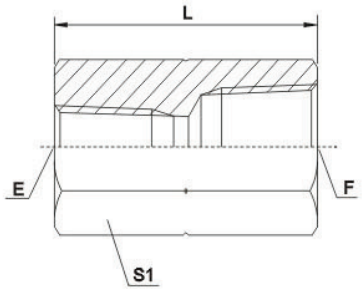
PART NO.	THREAD		DIMENSIONS		
	E	F	A	L	S1
5T-02-04SP	R1/8"X28	Rc1/4"X19	11	32.5	19
5T-04-02SP	R1/4"X19	Rc1/8"X28	14.5	20.5	14
5T-04SP	R1/4"X19	Rc1/4"X19	14.5	36	19
5T-04-06SP	R1/4"X19	Rc3/8"X19	14.5	38	22
5T-06-02SP	R3/8"X19	Rc1/8"X28	15	23	19
5T-06-04SP	R3/8"X19	Rc1/4"X19	15	23	19
5T-06SP	R3/8"X19	Rc3/8"X19	15	38.5	22
5T-06-08SP	R3/8"X19	Rc1/2"X14	15	44	27
5T-08-04SP	R1/2"X14	Rc1/4"X19	20	30	24
5T-08-06SP	R1/2"X14	Rc3/8"X19	20	30	24
5T-08SP	R1/2"X14	Rc1/2"X14	20	49	27
5T-08-12SP	R1/2"X14	Rc3/4"X14	20	51	36
5T-12-06SP	R3/4"X14	Rc3/8"X19	20	31	30
5T-12-08SP	R3/4"X14	Rc1/2"X14	20	31	30
5T-12SP	R3/4"X14	Rc3/4"X14	20	51	36
5T-12-16SP	R3/4"X14	Rc1"X11	20	56.5	41
5T-16-08SP	R1"X11	Rc1/2"X14	25.5	37	36
5T-16-12SP	R1"X11	Rc3/4"X14	25.5	37	36
5T-16SP	R1"X11	Rc1"X11	25.5	60	41
5T-16-20SP	R1"X11	Rc1.1/4"X11	25.5	64	50
5T-20-12SP	R1.1/4"X11	Rc3/4"X14	26.5	38	46
5T-20-16SP	R1.1/4"X11	Rc1"X11	26.5	38	46
5T-20SP	R1.1/4"X11	Rc1.1/4"X11	26.5	64.5	50
5T-24-16SP	R1.1/2"X11	Rc1"X11	26.5	41	50
5T-24-20SP	R1.1/2"X11	Rc1.1/4"X11	26.5	41	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



5T9-SP

90° ELBOW BSPT MALE / BSPT FEMALE

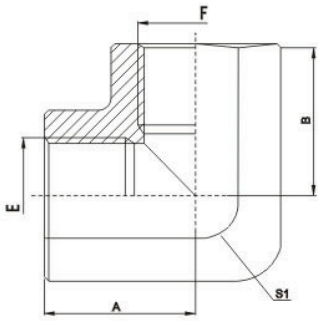
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
5T9-02SP	R1/8"X28	Rc1/8"X28	24.5	23	16
5T9-04SP	R1/4"X19	Rc1/4"X19	28.5	25	19
5T9-06SP	R3/8"X19	Rc3/8"X19	33.5	25	24
5T9-08SP	R1/2"X14	Rc1/2"X14	40.8	31.5	30
5T9-12SP	R3/4"X14	Rc3/4"X14	47.5	37	33
5T9-16SP	R1"X11	Rc1"X11	56.5	43	41
5T9-20SP	R1.1/4"X11	Rc1.1/4"X11	61	50	48
5T9-24SP	R1.1/2"X11	Rc1.1/2"X11	75	55	63



7T

BSPT FEMALE

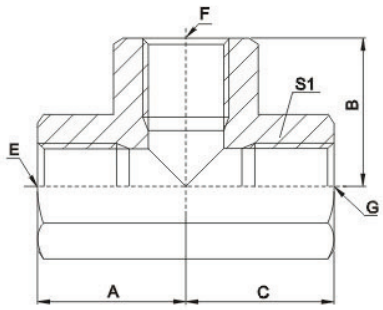
PART NO.	THREAD		DIMENSIONS	
	E	F	L	S1
7T-02	Rc1/8"X28	Rc1/8"X28	20	14
7T-02-04	Rc1/8"X28	Rc1/4"X19	30	19
7T-04	Rc1/4"X19	Rc1/4"X19	30	19
7T-04-06	Rc1/4"X19	Rc3/8"X19	30	22
7T-04-08	Rc1/4"X19	Rc1/2"X14	40	27
7T-06	Rc3/8"X19	Rc3/8"X19	30	22
7T-06-08	Rc3/8"X19	Rc1/2"X14	40	27
7T-06-12	Rc3/8"X19	Rc3/4"X14	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° ELBOW BSPT FEMALE

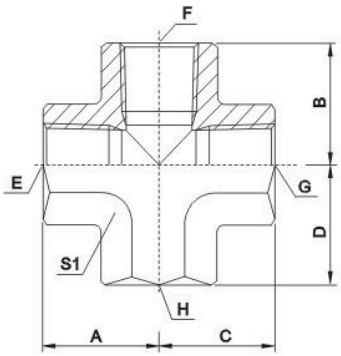
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
7T9-02PK	Rc1/8"X28	Rc1/8"X28	20	20	16
7T9-02-04PK	Rc1/8"X28	Rc1/4"X19	20	22.5	19
7T9-04PK	Rc1/4"X19	Rc1/4"X19	22.5	22.5	19
7T9-06PK	Rc3/8"X19	Rc3/8"X19	26	26	24
7T9-08PK	Rc1/2"X14	Rc1/2"X14	31	31	27
7T9-12PK	Rc3/4"X14	Rc3/4"X14	34	34	33
7T9-16PK	Rc1"X11	Rc1"X11	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 TEE

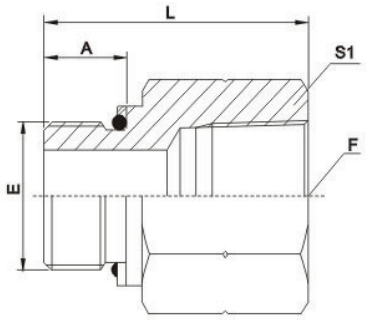
PART NO.	THREAD			DIMENSIONS			
	E	F	G	A	B	C	S1
GT-02PK	Rc1/8"X28	Rc1/8"X28	Rc1/8"X28	20	20	20	16
GT-04PK	Rc1/4"X19	Rc1/4"X19	Rc1/4"X19	22.5	22.5	22.5	19
GT-06PK	Rc3/8"X19	Rc3/8"X19	Rc3/8"X19	26	26	26	24
GT-08PK	Rc1/2"X14	Rc1/2"X14	Rc1/2"X14	31	31	31	27
GT-12PK	Rc3/4"X14	Rc3/4"X14	Rc3/4"X14	34	34	34	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 CROSS

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



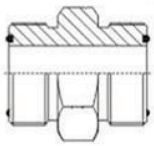
5GT

BSP MALE O-RING / BSPT FEMALE

PART NO.	THREAD		O-RING	DIMENSIONS		
	E	F	E	A	L	S1
5GT-02	Rc1/8"X28	Rc1/8"X28	O011	9.5	26	14
5GT-04	Rc1/4"X19	Rc1/4"X19	O111	10	32	19
5GT-06	Rc3/8"X19	Rc3/8"X19	O113	11.5	37	22
5GT-08-06	Rc1/2"X14	Rc3/8"X19	O115	14	38	27
5GT-08	Rc1/2"X14	Rc1/2"X14	O115	14	46	27
5GT-12	Rc3/4"X14	Rc3/4"X14	O119	15.5	49.5	36
5GT-16	Rc1"X11	Rc1"X11	O217	18	52	41

ORFS ADAPTERS

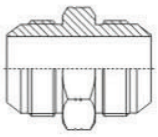
1F P210



ORFS MALE O-RING

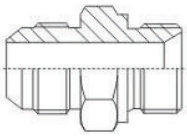
JIC 74° CONE FLARED TUBE ADAPTERS

1J P211



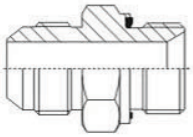
JIC MALE 74° CONE

1JM P212



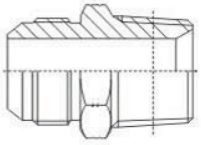
JIC MALE 74° CONE/METRIC MALE 60° SEAT

1JM-WD P213



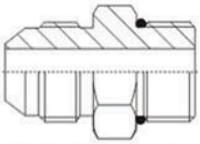
JIC MALE 74° CONE /METRIC MALE CAPTIVE SEAL

1JN P214



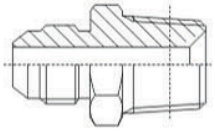
JIC MALE 74° CONE /NPT MALE

1JO P215



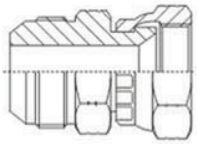
JIC MALE 74° CONE /SAE O-RING BOSS L-SERIES ISO 11926-3

1JT-SP P216



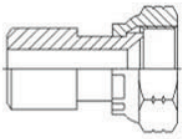
JIC MALE 74° CONE /BSPT MALE

2J P217



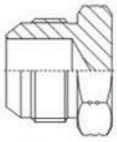
JIC MALE 74° CONE /JIC FEMALE 74° SEAT

2WJ P218



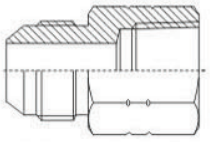
BUTT-WELD TUBE /JIC FEMALE 74° SEAT

4J P218



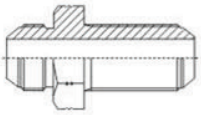
JIC MALE 74° CONE PLUG

5JN P219



JIC MALE 74° CONE /NPT FEMALE

6J P220



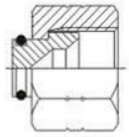
JIC MALE 74° CONE BULKHEAD

8J P220



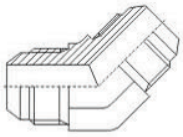
JIC LOCK NUT

9J P221



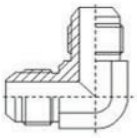
JIC FEMALE 74° SEAT PLUG

1J4 P221



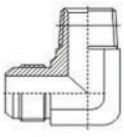
45° ELBOW JIC MALE 74° CONE

1J9 P222



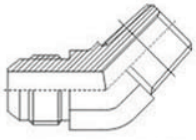
90° ELBOW JIC MALE 74° CONE

1JN9 P223



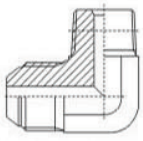
90° ELBOW JIC MALE 74° CONE /NPT MALE

1JT4-SP P224



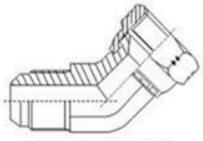
45° ELBOW JIC MALE 74° CONE/BSPT MALE

1JT9-SP P225



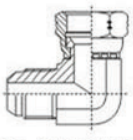
90° ELBOW JIC MALE 74° CONE/BSPT MALE

2J4 P226



45° ELBOW JIC MALE 74° CONE /JIC FEMALE 74° SEAT

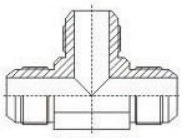
2J9 P227



90° ELBOW JIC MALE 74° CONE /JIC FEMALE 74° SEAT

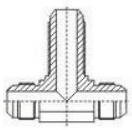
JIC 74° CONE FLARED TUBE ADAPTERS

AJ P228



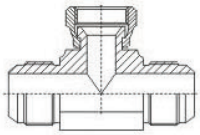
JIC MALE 74° CONE TEE

AJ6JJ P229



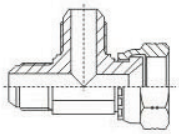
JIC MALE 74° CONE BULKHEAD BRANCH TEE

BJ P229



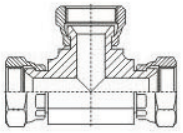
JIC MALE 74° CONE /JIC FEMALE BRANCH TEE

CJ P230



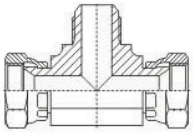
JIC MALE 74° CONE /JIC FEMALE 74° SEAT RUN TEE

DJ P230



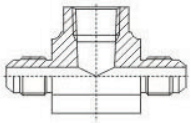
JIC FEMALE 74° SEAT TEE

EJ P231



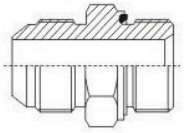
JIC FEMALE 74° SEAT /JIC MALE 74° CONE BRANCH TEE

KJNJ P231



JIC MALE 74° CONE /NPT FEMALE BRANCH TEE

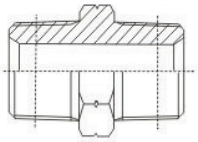
1JB-WD P232



JIC MALE 74° CONE /BSP MALE CAPTIVE SEAL

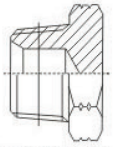
NPT THREAD ADAPTERS

1N P233



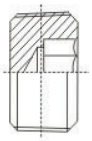
NPT MALE

4N P234



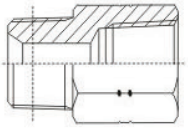
NPT MALE PLUG

4NN P234



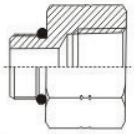
NPT MALE HOLLOW HEX PLUG

5N P235



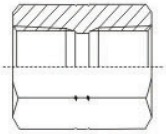
NPT MALE /NPT FEMALE

5ON P236



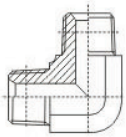
SAE O-RING BOSS L-SERIES ISO 11926-3 /NPT FEMALE

7N P237



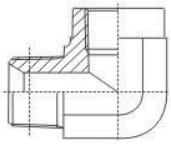
NPT FEMALE

1N9 P238



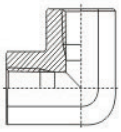
90° ELBOW NPT MALE

5N9 P238



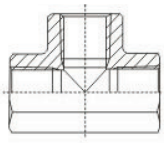
90° ELBOW NPT MALE /NPT FEMALE

7N9-PK P239



90° ELBOW NPT FEMALE

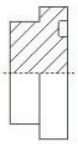
GN-PK P239



NPT FEMALE TEE

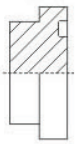
ISO 6162 FLANGE ADAPTERS

4FL P240

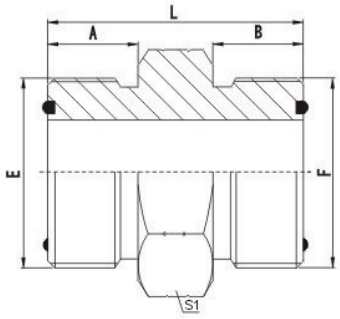


ISO 6162-1 L-SERIES FLANGE PLUG

4FS P240



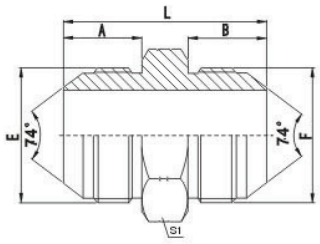
ISO 6162-2 S-SERIES FLANGE PLUG

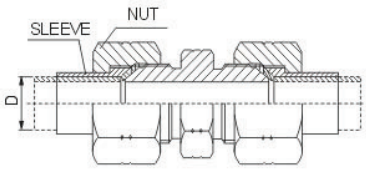


1F

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	O011	O011	9.8	9.8	27.5	17
1F-04-06	9/16"X18	11/16"X16	O011	O012	9.8	11.2	29.7	19
1F-04-08	9/16"X18	13/16"X16	O011	O014	9.8	12.8	32.5	22
1F-06	11/16"X16	11/16"X16	O012	O012	11.2	11.2	31.1	19
1F-06-08	11/16"X16	13/16"X16	O012	O014	11.2	12.8	33.8	22
1F-06-10	11/16"X16	1"X14	O012	O016	11.2	15.5	38	27
1F-08	13/16"X16	13/16"X16	O014	O014	12.8	12.8	35.4	22
1F-08-10	13/16"X16	1"X14	O014	O016	12.8	15.5	40	27
1F-08-12	13/16"X16	1.3/16"X12	O014	O018	12.8	17	43	32
1F-10	1"X14	1"X14	O016	O016	15.5	15.5	42.5	27
1F-10-12	1"X14	1.3/16"X12	O016	O018	15.5	17	45.5	32
1F-12	1.3/16"X12	1.3/16"X12	O018	O018	17	17	47.1	32
1F-12-16	1.3/16"X12	1.7/16"X12	O018	O021	17	17.5	45.5	38
1F-12-20	1.3/16"X12	1.11/16"X12	O018	O025	17	17.5	50.5	46
1F-16	1.7/16"X12	1.7/16"X12	O021	O021	17.5	17.5	49.3	38
1F-16-20	1.7/16"X12	1.11/16"X12	O021	O025	17.5	17.5	51.3	46
1F-16-24	1.7/16"X12	2"X12	O021	O029	17.5	17.5	53	55
1F-20	1.11/16"X12	1.11/16"X12	O025	O025	17.5	17.5	51.3	46
1F-20-24	1.11/16"X12	2"X12	O025	O029	17.5	17.5	53	55
1F-24	2"X12	2"X12	O029	O029	17.5	17.5	53	55



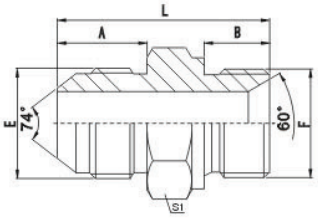


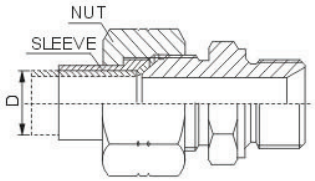
1J

JIC MALE 74° CONE

PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1J-02	5/16"X24	5/16"X24	11.4	11.4	29	12
1J-02-03	5/16"X24	3/8"X24	11.4	12.2	29.5	12
1J-03	3/8"X24	3/8"X24	12.2	12.2	30.5	12
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"X14	1/2"X20	14	14	34	14
1J-05-06	1/2"X14	9/16"X18	14	14.1	34	17
1J-05-08	1/2"X14	3/4"X16	14	16.7	38.5	22
1J-05-10	1/2"X14	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	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-16-24	1.5/16"X12	1.7/8"X12	23.1	27.5	65.5	50
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-20-32	1.5/8"X12	2.1/2"X12	24.3	33.9	75	65
1J-24	1.7/8"X12	1.7/8"X12	27.5	27.5	70	50
1J-24-32	1.7/8"X12	2.1/2"X12	27.5	33.9	78.5	65
1J-32	2.1/2"X12	2.1/2"X12	33.9	33.9	85	65

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



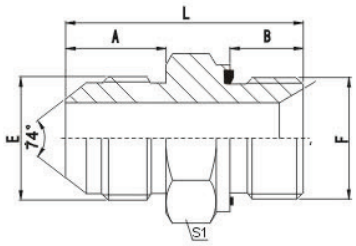


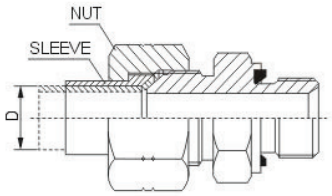
1JM

JIC MALE 74° CONE / METRIC MALE 60° SEAT

PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1JM-04-10	7/16"X20	M10X1	14	8	29	14
1JM-04-12	7/16"X20	M12X1.5	14	10	31	17
1JM-04-14	7/16"X20	M14X1.5	14	11	32	19
1JM-05-10	1/2"X20	M10X1	14	8	28	14
1JM-05-12	1/2"X20	M12X1.5	14	10	30	17
1JM-05-14	1/2"X20	M14X1.5	14	11	32	19
1JM-06-12	9/16"X18	M12X1.5	14.1	10	31	17
1JM-06-14	9/16"X18	M14X1.5	14.1	11	33	19
1JM-06-16	9/16"X18	M16X1.5	14.1	12	35	22
1JM-06-18	9/16"X18	M18X1.5	14.1	12	34	24
1JM-08-16	3/4"X16	M16X1.5	16.7	12	37.5	22
1JM-08-18	3/4"X16	M18X1.5	16.7	12	36.5	24
1JM-08-20	3/4"X16	M20X1.5	16.7	14	41	27
1JM-08-22	3/4"X16	M22X1.5	16.7	14	41	27
1JM-10-20	7/8"X14	M20X1.5	19.3	14	44	27
1JM-10-22	7/8"X14	M22X1.5	19.3	14	43.5	27
1JM-10-26	7/8"X14	M26X1.5	19.3	16	47.5	32
1JM-12-20	1.1/16"X12	M20X1.5	21.9	14	47	30
1JM-12-22	1.1/16"X12	M22X1.5	21.9	14	47	30
1JM-12-26	1.1/16"X12	M26X1.5	21.9	16	50	32

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



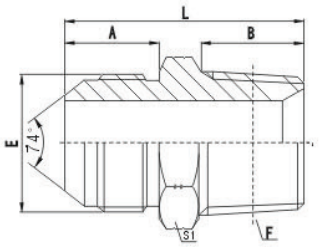


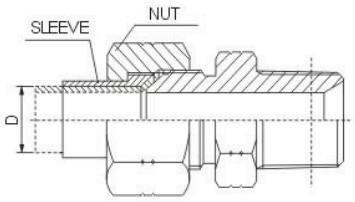
1JM-WD

JIC MALE 74° CONE / METRIC MALE CAPTIVE SEAL

PART NO.	THREAD		CAPTIVE	DIMENSIONS			
	E	F	F	A	B	L	S1
1JM-04-10WD	7/16"X20	M10X1	WD-B02	14	8	29.5	17
1JM-04-12WD	7/16"X20	M12X1.5	WD-M12	14	12	34	17
1JM-05-14WD	1/2"X20	M14X1.5	WD-B04	14	12	34	19
1JM-06-14WD	9/16"X18	M14X1.5	WD-B04	14.1	12	34	19
1JM-06-18WD	9/16"X18	M18X1.5	WD-M18	14.1	12	36.5	24
1JM-06-20WD	9/16"X18	M20X1.5	WD-M20	14.1	14	40.5	27
1JM-08-18WD	3/4"X16	M18X1.5	WD-M18	16.7	12	39	24
1JM-08-20WD	3/4"X16	M20X1.5	WD-M20	16.7	14	43	27
1JM-08-22WD	3/4"X16	M22X1.5	WD-M22	16.7	14	43.5	27
1JM-10-18WD	7/8"X14	M18X1.5	WD-M18	19.3	12	41.5	24
1JM-10-20WD	7/8"X14	M20X1.5	WD-M20	19.3	14	45.5	27
1JM-10-22WD	7/8"X14	M22X1.5	WD-M22	19.3	14	46	27
1JM-12-20WD	1.1/16"X12	M20X1.5	WD-M20	21.9	14	48.5	30
1JM-12-22WD	1.1/16"X12	M22X1.5	WD-M22	21.9	14	49	30
1JM-12-26WD	1.1/16"X12	M26X1.5	WD-B12	21.9	16	52	32
1JM-12-27WD	1.1/16"X12	M27X2	WD-B12	21.9	16	52	32
1JM-16-26WD	1.5/16"X12	M26X1.5	WD-B12	23.1	16	53	36
1JM-16-33WD	1.5/16"X12	M33X2	WD-B16	23.1	18	57	41
1JM-20-42WD	1.5/8"X12	M42X2	WD-B20	24.3	20	62	50
1JM-20-48WD	1.5/8"X12	M48X2	WD-B24	24.3	22	64	55
1JM-24-48WD	1.7/8"X12	M48X2	WD-B24	27.5	22	67.5	55

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



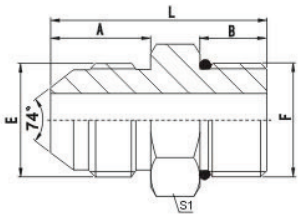


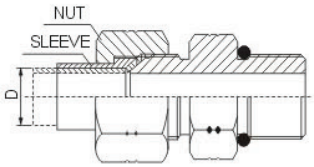
1JN

JIC MALE 74° CONE / NPT MALE

PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1JN-02	5/16"X24	Z1/8"X27	11.4	10.5	28	12
1JN-04-02	7/16"X20	Z1/8"X27	14	10.5	30.5	12
1JN-04	7/16"X20	Z1/4"X18	14	15	35	17
1JN-04-06	7/16"X20	Z3/8"X18	14	16	36	19
1JN-04-08	7/16"X20	Z1/2"X14	14	19.5	41.5	24
1JN-05-04	1/2"X20	Z1/4"X18	14	15	35	17
1JN-05-06	1/2"X20	Z3/8"X18	14	16	36	19
1JN-05-08	1/2"X20	Z1/2"X14	14	19.5	41.5	24
1JN-06-04	9/16"X18	Z1/4"X18	14.1	15	34.5	17
1JN-06	9/16"X18	Z3/8"X18	14.1	16	36	19
1JN-06-08	9/16"X18	Z1/2"X14	14.1	19.5	41.5	24
1JN-08-04	3/4"X16	Z1/4"X18	16.7	15	39	22
1JN-08-06	3/4"X16	Z3/8"X18	16.7	16	40	22
1JN-08	3/4"X16	Z1/2"X14	16.7	19.5	44	24
1JN-08-12	3/4"X16	Z3/4"X14	16.7	19.5	46.5	30
1JN-10-06	7/8"X14	Z3/8"X18	19.3	16	43.5	24
1JN-10-08	7/8"X14	Z1/2"X14	19.3	19.5	47	24
1JN-10-12	7/8"X14	Z3/4"X14	19.3	19.5	49	30
1JN-12-08	1.1/16"X12	Z1/2"X14	21.9	19.5	51	30
1JN-12	1.1/16"X12	Z3/4"X14	21.9	19.5	51.5	30
1JN-12-16	1.1/16"X12	Z1"X11.5	21.9	25.5	58.5	36
1JN-12-20	1.1/16"X12	Z1.1/4"X11.5	21.9	26.5	61.5	46
1JN-14-12	1.3/16"X12	Z3/4"X14	22.6	19.5	53	32
1JN-16-12	1.5/16"X12	Z3/4"X14	23.1	19.5	53.5	36
1JN-16	1.5/16"X12	Z1"X11.5	23.1	25.5	58.5	36
1JN-16-20	1.5/16"X12	Z1.1/4"X11.5	23.1	26.5	62.5	46
1JN-16-24	1.5/16"X12	Z1.1/2"X11.5	23.1	27.5	65.5	50
1JN-20-16	1.5/8"X12	Z1"X11.5	24.3	25.5	63	46
1JN-20	1.5/8"X12	Z1.1/4"X11.5	24.3	26.5	63.5	46
1JN-20-24	1.5/8"X12	Z1.1/2"X11.5	24.3	27.5	67	50
1JN-24-20	1.7/8"X12	Z1.1/4"X11.5	27.5	26.5	69	50
1JN-24	1.7/8"X12	Z1.1/2"X11.5	27.5	27.5	70	50
1JN-24-32	1.7/8"X12	Z2"X11.5	27.5	27.5	72	65
1JN-32	2.1/2"X12	Z2"X11.5	33.9	27.5	78.5	65
1JN-32-24	2.1/2"X12	Z1.1/2"X11.5	33.9	27.5	78.5	65

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



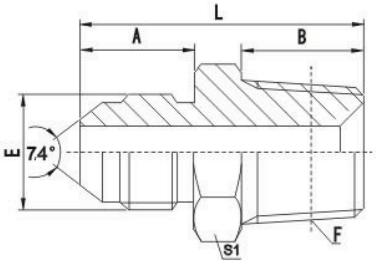


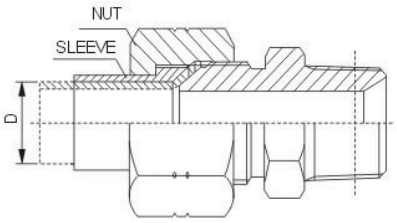
1JO

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

PART NO.	THREAD		O-RING	DIMENSIONS			
	E	F	F	A	B	L	S1
1JO-04-02	7/16"X20	5/16"X24	O902	14	7.54	27.5	14
1JO-04-03	7/16"X20	3/8"X24	O903	14	7.54	27.5	14
1JO-04	7/16"X20	7/16"X20	O904	14	9.14	29	14
1JO-04-05	7/16"X20	1/2"X20	O905	14	9.14	29	17
1JO-04-06	7/16"X20	9/16"X18	O906	14	9.93	30	17
1JO-04-08	7/16"X20	3/4"X16	O908	14	11.13	33	22
1JO-05	1/2"X20	1/2"X20	O905	14	9.14	29	17
1JO-05-04	1/2"X20	7/16"X20	O904	14	9.14	29	14
1JO-05-06	1/2"X20	9/16"X18	O906	14	9.93	30	17
1JO-05-08	1/2"X20	3/4"X16	O908	14	11.13	33	22
1JO-06	9/16"X18	9/16"X18	O906	14.1	9.93	30	17
1JO-06-04	9/16"X18	7/16"X20	O904	14.1	9.14	29	17
1JO-06-05	9/16"X18	1/2"X20	O905	14.1	9.14	29.5	17
1JO-06-08	9/16"X18	3/4"X16	O908	14.1	11.13	33	22
1JO-06-10	9/16"X18	7/8"X14	O910	14.1	12.7	37	27
1JO-06-12	9/16"X18	1.1/16"X12	O912	14.1	15.09	40	32
1JO-08	3/4"X16	3/4"X16	O908	16.7	11.13	36	22
1JO-08-04	3/4"X16	7/16"X20	O904	16.7	9.14	34	22
1JO-08-06	3/4"X16	9/16"X18	O906	16.7	9.93	35	22
1JO-08-10	3/4"X16	7/8"X14	O910	16.7	12.7	40	27
1JO-08-12	3/4"X16	1.1/16"X12	O912	16.7	15.09	43	32
1JO-08-14	3/4"X16	1.3/16"X12	O914	16.7	15.09	43	36
1JO-10	7/8"X14	7/8"X14	O910	19.3	12.7	42.5	27
1JO-10-08	7/8"X14	3/4"X16	O908	19.3	11.13	39	24
1JO-10-12	7/8"X14	1.1/16"X12	O912	19.3	15.09	45.5	32
1JO-10-14	7/8"X14	1.3/16"X12	O914	19.3	15.09	45.5	36
1JO-12	1.1/16"X12	1.1/16"X12	O912	21.9	15.09	48	32
1JO-12-08	1.1/16"X12	3/4"X16	O908	21.9	11.13	43	30
1JO-12-10	1.1/16"X12	7/8"X14	O910	21.9	12.7	45	30
1JO-12-14	1.1/16"X12	1.3/16"X12	O914	21.9	15.09	48	36
1JO-12-16	1.1/16"X12	1.5/16"X12	O916	21.9	15.09	48	38
1JO-14	1.3/16"X12	1.3/16"X12	O914	22.6	15.09	48.5	36
1JO-14-12	1.3/16"X12	1.1/16"X12	O912	22.6	15.09	48.5	32
1JO-14-16	1.3/16"X12	1.5/16"X12	O916	22.6	15.09	50.5	38
1JO-16	1.5/16"X12	1.5/16"X12	O916	23.1	15.09	49	38
1JO-16-12	1.5/16"X12	1.1/16"X12	O912	23.1	15.09	49	36
1JO-16-14	1.5/16"X12	1.3/16"X12	O914	23.1	15.09	49	36
1JO-16-20	1.5/16"X12	1.5/8"X12	O920	23.1	15.09	53	50
1JO-20	1.5/8"X12	1.5/8"X12	O920	24.3	15.09	54.5	50
1JO-20-16	1.5/8"X12	1.5/16"X12	O916	24.3	15.09	52.5	46
1JO-20-24	1.5/8"X12	1.7/8"X12	O924	24.3	15.09	54.5	55
1JO-24	1.7/8"X12	1.7/8"X12	O924	27.5	15.09	57.5	55
1JO-24-20	1.7/8"X12	1.5/8"X12	O920	27.5	15.09	57.5	50
1JO-24-32	1.7/8"X12	2.1/2"X12	O932	27.5	15.09	59.5	70
1JO-32	2.1/2"X12	2.1/2"X12	O932	33.9	15.09	66	70

Note: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.



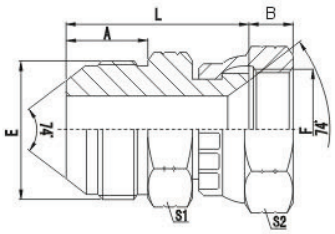


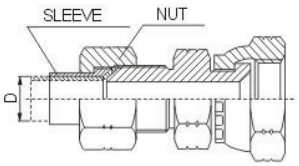
1JT-SP

JIC MALE 74° CONE / BSPT MALE

PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1JT-04-02SP	7/16"X20	R1/8"X28	14	10	30	12
1JT-04SP	7/16"X20	R1/4"X19	14	14.5	34.5	14
1JT-04-06SP	7/16"X20	R3/8"X19	14	15	35	17
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-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-06SP	9/16"X18	R3/8"X19	14.1	15	34	17
1JT-06-08SP	9/16"X18	R1/2"X14	14.1	20	41	22
1JT-08-06SP	3/4"X16	R3/8"X19	16.7	15	39	22
1JT-08SP	3/4"X16	R1/2"X14	16.7	20	44.5	22
1JT-08-12SP	3/4"X16	R3/4"X14	16.7	20	46	30
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-12-08SP	1.1/16"X12	R1/2"X14	21.9	20	51	30
1JT-12SP	1.1/16"X12	R3/4"X14	21.9	20	51	30
1JT-12-16SP	1.1/16"X12	R1"X11	21.9	25.5	57.5	36
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	57.5	36
1JT-16-12SP	1.5/16"X12	R3/4"X14	23.1	20	53	36
1JT-16SP	1.5/16"X12	R1"X11	23.1	25.5	59	36
1JT-16-20SP	1.5/16"X12	R1.1/4"X11	23.1	26.5	61.5	46
1JT-20-16SP	1.5/8"X12	R1"X11	24.3	25.5	62.5	46
1JT-20SP	1.5/8"X12	R1.1/4"X11	24.3	26.5	63	46
1JT-20-24SP	1.5/8"X12	R1.1/2"X11	24.3	26.5	66.5	50
1JT-24-20SP	1.7/8"X12	R1.1/4"X11	27.5	26.5	67.5	50
1JT-24SP	1.7/8"X12	R1.1/2"X11	27.5	26.5	69.5	50
1JT-24-32SP	1.7/8"X12	R2"X11	27.5	30	74.5	65
1JT-32-24SP	2.1/2"X12	R1.1/2"X11	33.9	26.5	77.5	65
1JT-32SP	2.1/2"X12	R2"X11	33.9	30	80	65

Note: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.



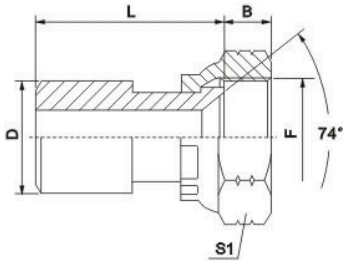


2J

JIC MALE 74° CONE / JIC FEMALE 74° SEAT

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	7/16"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"X14	1/2"X20	14	9.5	29	14	17
2J-05-06	1/2"X14	9/16"X18	14	10.5	28.5	14	19
2J-05-08	1/2"X14	3/4"X16	14	11	30.5	19	24
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-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-10-08	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-12-10	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-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	53	41	50
2J-20	1.5/8"X12	1.5/8"X12	24.3	17	54.5	46	50
2J-20-24	1.5/8"X12	1.7/8"X12	24.3	20	55.5	46	55
2J-24	1.7/8"X12	1.7/8"X12	27.5	20	61	50	55
2J-24-32	1.7/8"X12	2.1/2"X12	27.5	24.5	63	65	75
2J-32	2.1/2"X12	2.1/2"X12	33.9	24.5	69.5	65	75

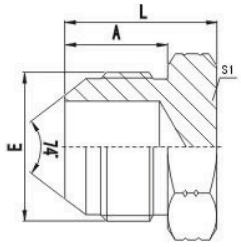
Note:Nut and sleeve should be ordered separately.The nut NB200 and sleeve NB500 is suitable for metric tube,the nut NB200 and sleeve NB300 is suitable for inch tube.

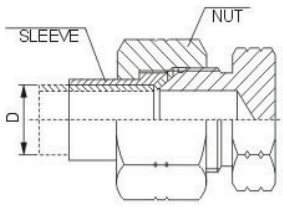


2WJ

BUTT-WELD TUBE / JIC FEMALE 74° SEAT

PART NO.	THREAD		DIMENSIONS			
	F	TUBE O.D.	B	D	L	S1
2WJ-10-04	7/16"X20	10	9	10	25.5	15
2WJ-12-05	1/2"X20	12	9.5	12	27	17
2WJ-14-04	7/16"X20	14	9	14	27	15
2WJ-14-06	9/16"X18	14	10.5	14	55	19
2WJ-18-08	3/4"X16	18	11	18	60	24
2WJ-20-10	7/8"X14	20	13	20	33	27
2WJ-22-12	1.1/16"X12	22	15	22	68	32
2WJ-28-16	1.5/16"X12	28	16	28	68	41
2WJ-34-20	1.5/8"X12	34	17	34	75	50



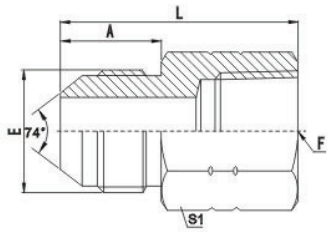


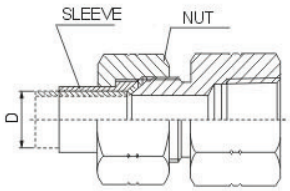
4J

JIC MALE 74° CONE PLUG

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

Note: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.



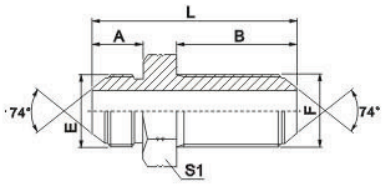


5JN

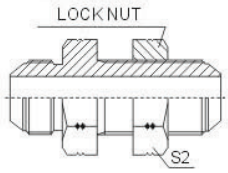
JIC MALE 74° CONE / NPT FEMALE

PART NO.	THREAD		DIMENSIONS		
	E	F	A	L	S1
5JN-04-02	7/16"X20	Z1/8"X27	14	30	17
5JN-04	7/16"X20	Z1/4"X18	14	35.5	19
5JN-05-04	1/2"X20	Z1/4"X18	14	35.3	19
5JN-06-04	9/16"X18	Z1/4"X18	14.1	35.6	19
5JN-06	9/16"X18	Z3/8"X18	14.1	37.1	22
5JN-06-08	9/16"X18	Z1/2"X14	14.1	42.5	30
5JN-08-06	3/4"X16	Z3/8"X18	16.7	39.6	22
5JN-08	3/4"X16	Z1/2"X14	16.7	45.6	30
5JN-08-12	3/4"X16	Z3/4"X14	16.7	45	36
5JN-10-08	7/8"X14	Z1/2"X14	19.3	48	30
5JN-10-12	7/8"X14	Z3/4"X14	19.3	49.7	36
5JN-12-08	1.1/16"X12	Z1/2"X14	21.9	52.1	30
5JN-12	1.1/16"X12	Z3/4"X14	21.9	52.3	36
5JN-16-12	1.5/16"X12	Z3/4"X14	23.1	50	36
5JN-16	1.5/16"X12	Z1"X11.5	23.1	59.7	41
5JN-20	1.5/8"X12	Z1.1/4"X11.5	24.3	61.5	50
5JN-24	1.7/8"X12	Z1.1/2"X11.5	27.5	62.5	60
5JN-32	2.1/2"X12	Z2"X11.5	33.9	70	70

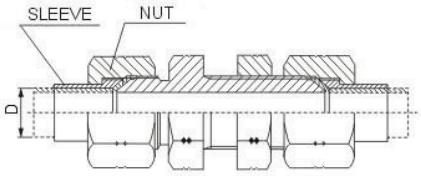
Note:Nut and sleeve should be ordered separately.The nut NB200 and sleeve NB500 is suitable for metric tube,the nut NB200 and sleeve NB300 is suitable for inch tube.



6J



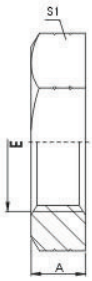
6J-LN



JIC MALE 74° CONE BULKHEAD

PART NO.	THREAD		DIMENSIONS				
	E	F	A	B	L	S1	S2
6J-04	7/16"X20	7/16"X20	14	32.5	52.5	17	17
6J-05	1/2"X20	1/2"X20	14	32.5	52.5	19	19
6J-06	9/16"X18	9/16"X18	14.1	32.5	54.5	22	22
6J-08	3/4"X16	3/4"X16	16.7	36.5	61.5	24	24
6J-10	7/8"X14	7/8"X14	19.3	40	69.5	30	30
6J-12	1.1/16"X12	1.1/16"X12	21.9	44.5	78.5	36	36
6J-14	1.3/16"X12	1.3/16"X12	22.6	44.5	79.2	38	38
6J-16	1.5/16"X12	1.5/16"X12	23.1	44.5	79.8	41	41
6J-20	1.5/8"X12	1.5/8"X12	24.3	45.7	84	50	50
6J-24	1.7/8"X12	1.7/8"X12	27.5	46	89.5	55	55
6J-32	2.1/2"X12	2.1/2"X12	33.9	53.1	106.5	70	70

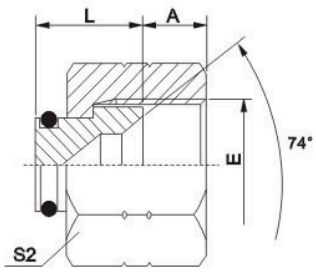
NOTE: In case if you are interested to order the adapter with lock nut,please inser suffix "LN" after our part NO.,for example 6J-12LN Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube,the nut NB200 and sleeve NB300 is suitable for inch tube.



8J

JIC LOCK NUT

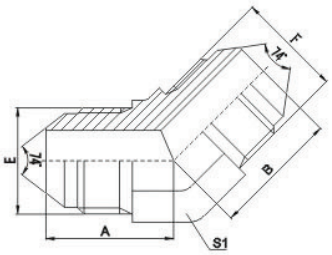
PART NO.	THREAD	DIMENSIONS	
	E	A	S1
8J-04	7/16"X20	7	17
8J-05	1/2"X20	7	19
8J-06	9/16"X18	7	22
8J-08	3/4"X16	8	24
8J-10	7/8"X14	9	30
8J-12	1.1/16"X12	10.5	36
8J-14	1.3/16"X12	10.5	38
8J-16	1.5/16"X12	10.5	41
8J-20	1.5/8"X12	10.5	50
8J-24	1.7/8"X12	10.5	55
8J-32	2.1/2"X12	10.5	70

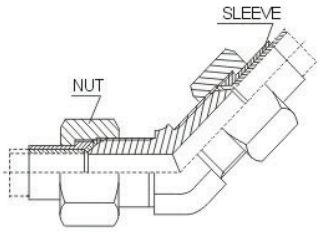


9J

JIC FEMALE 74° SEAT PLUG

PART NO.	THREAD	DIMENSIONS		
	E	A	L	S2
9J-04	7/16"X20	9	10.5	15
9J-05	1/2"X20	9.5	11	17
9J-06	9/16"X18	10.5	11	19
9J-08	3/4"X16	11	13	24
9J-10	7/8"X14	13	13.5	27
9J-12	1.1/16"X12	15	15	32
9J-14	1.3/16"X12	15	15	36
9J-16	1.5/16"X12	16	15.5	41
9J-20	1.5/8"X12	17	18.5	50
9J-24	1.7/8"X12	20	19	55
9J-32	2.1/2"X12	23.5	20.5	75



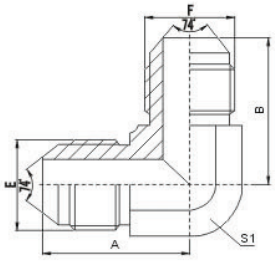


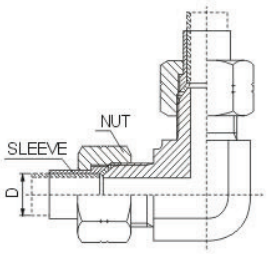
1J4

45° ELBOW 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

Note: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.



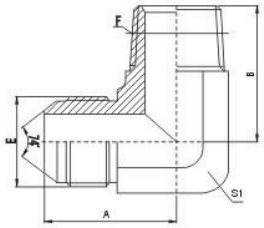


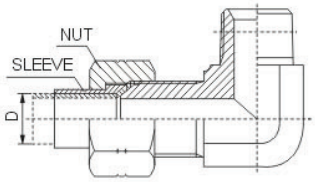
1J9

90° ELBOW JIC MALE 74° CONE

PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
1J9-02	5/16"X24	5/16"X24	20.5	20.5	11
1J9-03	3/8"X24	3/8"X24	22	22	11
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

Note: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.



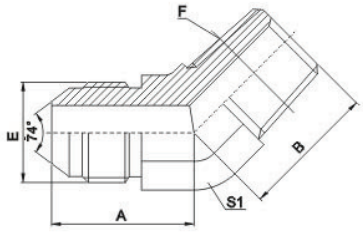


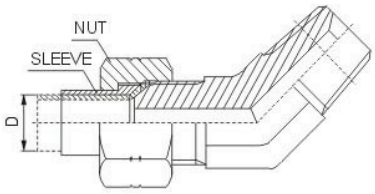
1JN9

90° ELBOW JIC MALE 74° CONE / NPT MALE

PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
1JN9-02	5/16"X24	Z1/8"X27	21	21	11
1JN9-03-02	3/8"X24	Z1/8"X27	22	21	11
1JN9-04	7/16"X20	Z1/4"X18	26.6	25.5	14
1JN9-04-02	7/16"X20	Z1/8"X27	24.5	21	11
1JN9-04-06	7/16"X20	Z3/8"X18	29.5	31	19
1JN9-05-02	1/2"X20	Z1/8"X27	26.6	23.5	14
1JN9-05-04	1/2"X20	Z1/4"X18	26.6	25.5	14
1JN9-05-06	1/2"X20	Z3/8"X18	29.5	31	19
1JN9-06	9/16"X18	Z3/8"X18	30	31	19
1JN9-06-04	9/16"X18	Z1/4"X18	26.9	25.5	14
1JN9-06-08	9/16"X18	Z1/2"X14	32	36.7	22
1JN9-08	3/4"X16	Z1/2"X14	34.8	37.3	22
1JN9-08-04	3/4"X16	Z1/4"X18	32	28.5	19
1JN9-08-06	3/4"X16	Z3/8"X18	32	31	19
1JN9-08-12	3/4"X16	Z3/4"X14	37.9	44	27
1JN9-10-06	7/8"X14	Z3/8"X18	37.8	32.5	22
1JN9-10-08	7/8"X14	Z1/2"X14	37.8	37.3	22
1JN9-10-12	7/8"X14	Z3/4"X14	41	44	27
1JN9-10-16	7/8"X14	Z1"X11.5	44.5	50	33
1JN9-12	1.1/16"X12	Z3/4"X14	44.2	44	27
1JN9-12-08	1.1/16"X12	Z1/2"X14	44.2	40	27
1JN9-12-16	1.1/16"X12	Z1"X11.5	49	50	33
1JN9-12-20	1.1/16"X12	Z1.1/4"X11.5	52.5	54.5	41
1JN9-14-12	1.3/16"X12	Z3/4"X14	47.5	45	30
1JN9-14-16	1.3/16"X12	Z1"X11.5	48.7	50	33
1JN9-16	1.5/16"X12	Z1"X11.5	49	50	33
1JN9-16-12	1.5/16"X12	Z3/4"X14	49	45.2	33
1JN9-16-20	1.5/16"X12	Z1.1/4"X11.5	54	60.5	41
1JN9-16-24	1.5/16"X12	Z1.1/2"X11.5	59.4	59.5	48
1JN9-20	1.5/8"X12	Z1.1/4"X11.5	55.5	54.5	41
1JN9-20-16	1.5/8"X12	Z1"X11.5	55.5	54.5	41
1JN9-20-24	1.5/8"X12	Z1.1/2"X11.5	59.4	63	48
1JN9-24	1.7/8"X12	Z1.1/2"X11.5	62.5	63	48
1JN9-24-20	1.7/8"X12	Z1.1/4"X11.5	62.5	63	48
1JN9-32-24	2.1/2"X12	Z1.1/2"X11.5	75.4	70	63
1JN9-32	2.1/2"X12	Z2"X11.5	75.4	67.5	63

Note: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.



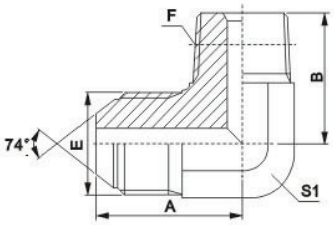


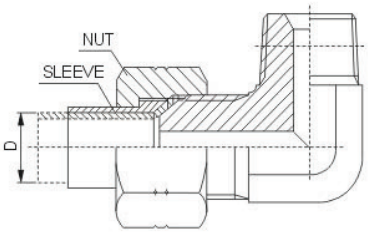
1JT4-SP

45° ELBOW JIC MALE 74° CONE / BSPT MALE

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	22.5	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	14
1JT4-06-04SP	9/16"X18	R1/4"X19	22.8	21	14
1JT4-06SP	9/16"X18	R3/8"X19	23	23	16
1JT4-06-08SP	9/16"X18	R1/2"X14	25	29.5	22
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	33	31.5	27
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
1JT4-20-24SP	1.5/8"X12	R1.1/2"X11	46	47.5	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
1JT4-32SP	2.1/2"X12	R2"X11	58	50	63

Note: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.



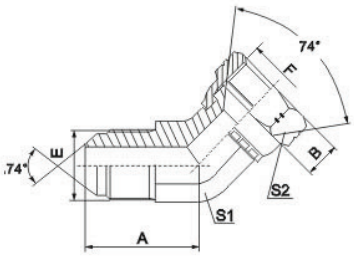


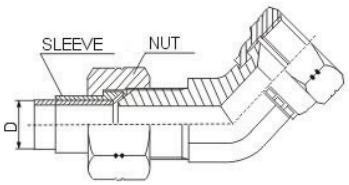
1JT9-SP

90° ELBOW JIC MALE 74° CONE / BSPT MALE

PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
1JT9-02SP	5/16"X24	R1/8"X28	20.5	21	11
1JT9-04-02SP	7/16"X20	R1/8"X28	24.5	21	11
1JT9-04SP	7/16"X20	R1/4"X19	26.6	25.5	14
1JT9-04-06SP	7/16"X20	R3/8"X19	27.5	28	16
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
1JT9-06-02SP	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
1JT9-06SP	9/16"X18	R3/8"X19	28.5	28.5	16
1JT9-06-08SP	9/16"X18	R1/2"X14	32	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
1JT9-08SP	3/4"X16	R1/2"X14	34.8	36	22
1JT9-08-12SP	3/4"X16	R3/4"X14	37.9	43.5	27
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
1JT9-12-08SP	1.1/16"X12	R1/2"X14	44.2	40	27
1JT9-12SP	1.1/16"X12	R3/4"X14	44.2	43.5	27
1JT9-12-16SP	1.1/16"X12	R1"X11	47.8	50	33
1JT9-16-12SP	1.5/16"X12	R3/4"X14	49	47.5	33
1JT9-16SP	1.5/16"X12	R1"X11	49	50	33
1JT9-16-20SP	1.5/16"X12	R1.1/4"X11	54	56.5	41
1JT9-20-16SP	1.5/8"X12	R1"X11	55.5	56.5	41
1JT9-20SP	1.5/8"X12	R1.1/4"X11	55.5	56.5	41
1JT9-24-20SP	1.7/8"X12	R1.1/4"X11	62.5	61	48
1JT9-24SP	1.7/8"X12	R1.1/2"X11	62.5	62.5	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

Note: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.



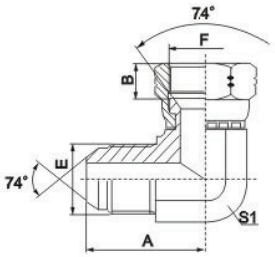


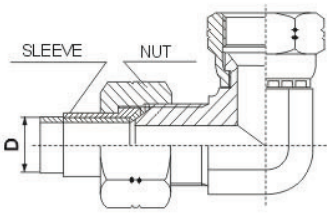
2J4

45° ELBOW JIC MALE 74° CONE/
JIC FEMALE 74° SEAT

PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	S1	S2
2J4-04	7/16"X20	7/16"X20	21.5	9	11	15
2J4-05	1/2"X20	1/2"X20	22	9.5	14	17
2J4-06	9/16"X18	9/16"X18	22.8	10.5	14	19
2J4-08	3/4"X16	3/4"X16	26.8	11	19	24
2J4-10	7/8"X14	7/8"X14	31	13	22	27
2J4-12	1.1/16"X12	1.1/16"X12	35.5	15	27	32
2J4-14	1.3/16"X12	1.3/16"X12	37	15	30	36
2J4-16	1.5/16"X12	1.5/16"X12	38.5	16	33	41
2J4-20	1.5/8"X12	1.5/8"X12	43	17	41	50
2J4-24	1.7/8"X12	1.7/8"X12	49	20	48	55
2J4-32	2.1/2"X12	2.1/2"X12	58	24.5	63	75

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



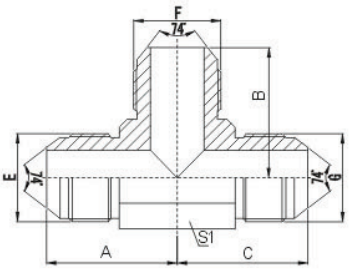


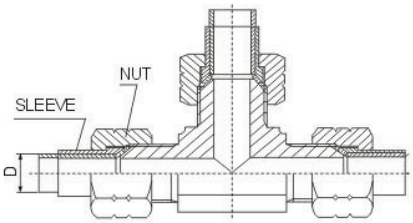
2J9

90° ELBOW JIC MALE 74° CONE/
JIC FEMALE 74° SEAT

PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	S1	S2
2J9-02	5/16"X24	5/16"X24	21	5.6	11	12
2J9-03	3/8"X24	3/8"X24	22	5	11	14
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	28.5	11	16	24
2J9-08-06	3/4"X16	9/16"X18	32	10.5	19	19
2J9-08	3/4"X16	3/4"X16	32	11	19	24
2J9-08-10	3/4"X16	7/8"X14	32	13	19	27
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
2J9-12-16	1.1/16"X12	1.5/16"X12	46	16	30	41
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
2J9-16-20	1.5/16"X12	1.5/8"X12	54	17	41	50
2J9-20-16	1.5/8"X12	1.5/16"X12	55.5	16	41	41
2J9-20	1.5/8"X12	1.5/8"X12	55.5	17	41	50
2J9-20-24	1.5/8"X12	1.7/8"X12	59.5	20	48	55
2J9-24-20	1.7/8"X12	1.5/8"X12	62.5	17	48	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	75.5	24.5	63	75

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



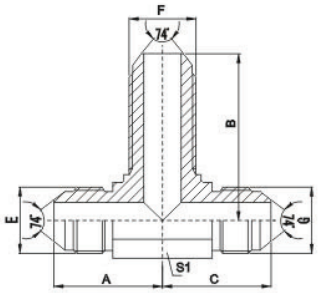


AJ

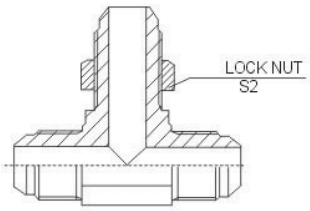
JIC MALE 74° CONE TEE

PART NO.	THREAD			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-12	1.1/16"X12	1.1/16"X12	1.1/16"X12	44.2	44.2	44.2	27
AJ-16	1.5/16"X12	1.5/16"X12	1.5/16"X12	49	49	49	33
AJ-16-12-16	1.5/16"X12	1.1/16"X12	1.5/16"X12	49	48	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
AJ-32	2.1/2"X12	2.1/2"X12	2.1/2"X12	78	78	78	63

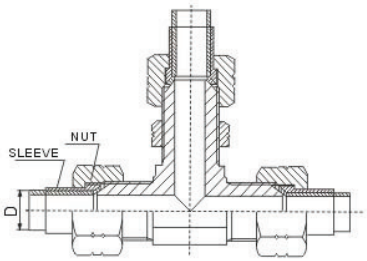
NOTE: Nut and sleeve should be ordered separately.The nut NB200 andsleeve NB500 is suitable for metric tube,the nut NB200 and sleeve NB300 is suitable for inch tube.



AJ6JJ



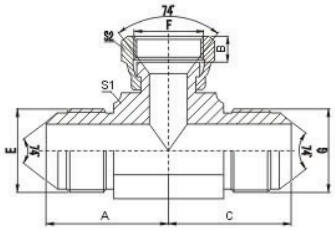
AJ6JJ-LN

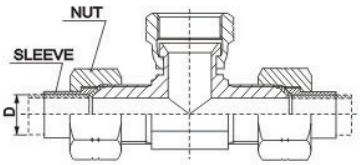


JIC MALE 74° CONE BULKHEAD BRANCH TEE

PART NO.	THREAD			DIMENSIONS				
	E	F	G	A	B	C	S1	S2
AJ6JJ-04	7/16"X20	7/16"X20	7/16"X20	24.5	40.4	24.5	11	17
AJ6JJ-05	1/2"X20	1/2"X20	1/2"X20	26.6	43.7	26.6	14	19
AJ6JJ-06	9/16"X18	9/16"X18	9/16"X18	26.9	46	26.9	14	22
AJ6JJ-08	3/4"X16	3/4"X16	3/4"X16	32	53.5	32	19	24
AJ6JJ-10	7/8"X14	7/8"X14	7/8"X14	37.8	60.7	37.8	22	30
AJ6JJ-12	1.1/16"X12	1.1/16"X12	1.1/16"X12	44.2	67.8	44.2	27	36
AJ6JJ-14	1.3/16"X12	1.3/16"X12	1.3/16"X12	46.2	69.5	46.2	30	38
AJ6JJ-16	1.5/16"X12	1.5/16"X12	1.5/16"X12	49	71	49	33	41

NOTE：In case if you are interested to order the adapter with lock nut,please insert suffix "LN" after our part NO.,for exampleAJ6JJ-12LN 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.



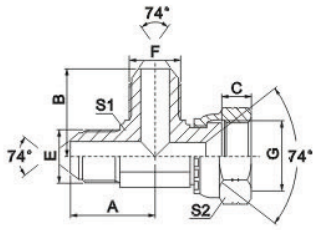


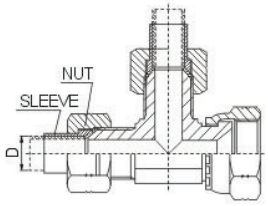
BJ

JIC MALE 74° CONE /
JICE FEMALE BRANCH TEE

PART NO.	THREAD			DIMENSIONS				
	E	F	G	A	B	C	S1	S2
BJ-04	7/16"X20	7/16"X20	7/16"X20	24.5	9	24.5	11	15
BJ-05	1/2"X20	1/2"X20	1/2"X20	26.5	9.5	26.6	14	17
BJ-06	9/16"X18	9/16"X18	9/16"X18	26.9	10.5	26.9	14	19
BJ-08	3/4"X16	3/4"X16	3/4"X16	32	11	32	19	24
BJ-10	7/8"X14	7/8"X14	7/8"X14	37.8	14	37.8	22	27
BJ-12	1.1/16"X12	1.1/16"X12	1.1/16"X12	44.2	15	44.2	27	32
BJ-14	1.3/16"X12	1.3/16"X12	1.3/16"X12	47.5	15	47.5	30	36
BJ-16	1.5/16"X12	1.5/16"X12	1.5/16"X12	49	16	49	33	41
BJ-20	1.5/8"X12	1.5/8"X12	1.5/8"X12	56	17	56	41	50
BJ-24	1.7/8"X12	1.7/8"X12	1.7/8"X12	62.5	20	62.5	48	55
BJ-32	2.1/2"X12	2.1/2"X12	2.1/2"X12	78	24.5	78	63	75

NOTE：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.



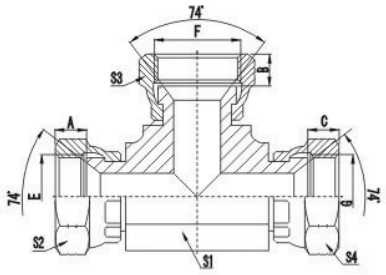


CJ

JIC MALE 74° CONE /
JIC FEMALE 74° SEAT RUN TEE

PART NO.	THREAD			DIMENSIONS				
	E	F	G	A	B	C	S1	S2
CJ-04	7/16"X20	7/16"X20	7/16"X20	24.5	24.5	9	11	15
CJ-05	1/2"X20	1/2"X20	1/2"X20	26.5	26.5	9.5	14	17
CJ-06	9/16"X18	9/16"X18	9/16"X18	26.9	26.9	10.5	14	19
CJ-08	3/4"X16	3/4"X16	3/4"X16	32	32	9.5	19	24
CJ-10	7/8"X14	7/8"X14	7/8"X14	37.8	37.8	13	22	27
CJ-12	1.1/16"X12	1.1/16"X12	1.1/16"X12	44.2	44.2	15	27	32
CJ-14	1.3/16"X12	1.3/16"X12	1.3/16"X12	47.5	47.5	15	30	36
CJ-16	1.5/16"X12	1.5/16"X12	1.5/16"X12	49	49	16	33	41
CJ-20	1.5/8"X12	1.5/8"X12	1.5/8"X12	56	56	17	41	50
CJ-24	1.7/8"X12	1.7/8"X12	1.7/8"X12	62.5	62.5	20	48	55
CJ-32	2.1/2"X12	2.1/2"X12	2.1/2"X12	78	78	24.5	63	75

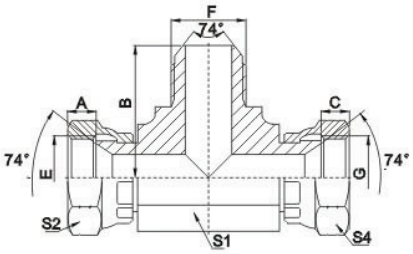
NOTE: Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube,the nut NB200 and sleeve Nb300 is suitable for inch tube.

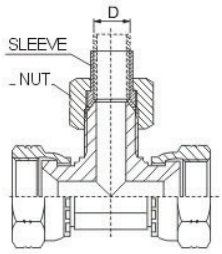


DJ

JIC FEMALE 74° SEAT TEE

PART NO.	THREAD			DIMENSIONS		
	E	F	G	A,B,C	S1	S2,S3,S4
DJ-04	7/16"X20	7/16"X20	7/16"X20	9	11	15
DJ-05	1/2"X20	1/2"X20	1/2"X20	9.5	11	17
DJ-06	9/16"X18	9/16"X18	9/16"X18	10.5	14	19
DJ-08	3/4"X16	3/4"X16	3/4"X16	11	16	24
DJ-10	7/8"X14	7/8"X14	7/8"X14	14	22	27
DJ-12	1.1/16"X12	1.1/16"X12	1.1/16"X12	15	24	32
DJ-16	1.5/16"X12	1.5/16"X12	1.5/16"X12	16	33	41



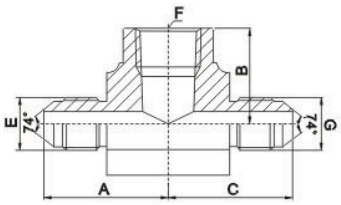


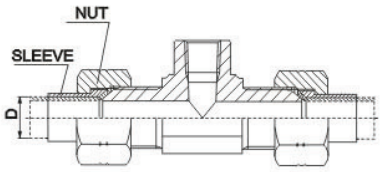
EJ

JIC FEMALE 74° SEAT /
JIC MALE 74° CONE BRANCH TEE

PART NO.	THREAD			DIMENSIONS			
	E	F	G	A,C	B	S1	S2
EJ-04	7/16"X20	7/16"X20	7/16"X20	9	24.5	11	15
EJ-06	9/16"X18	9/16"X18	9/16"X18	10.5	26.9	14	19
EJ-08	3/4"X16	3/4"X16	3/4"X16	11	32	19	24
EJ-10	7/8"X14	7/8"X14	7/8"X14	14	37.8	22	27
EJ-12	1.1/16"X12	1.1/16"X12	1.1/16"X12	15	44.2	24	32
EJ-16	1.5/16"X12	1.5/16"X12	1.5/16"X12	16	49	33	41
EJ-20	1.5/8"X12	1.5/8"X12	1.5/8"X12	17	56	41	50
EJ-24	1.7/8"X12	1.7/8"X12	1.7/8"X12	20	62.5	48	55

NOTE: 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.



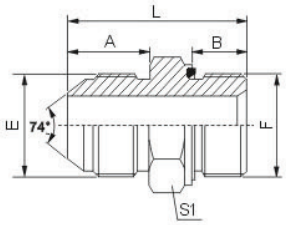


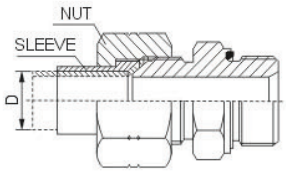
KJNJ

JIC MALE 74° CONE / NPT FEMALE BRANCH TEE

PART NO.	THREAD			DIMENSIONS			
	E	F	G	A	B	C	S2
KJNJ-04	7/16"X20	Z1/4"X18	7/16"X20	29.5	22.4	29.5	19
KJNJ-04-02-04	7/16"X20	Z1/8"X27	7/16"X20	26.5	16.8	26.5	16
KJNJ-05-02-05	1/2"X20	Z1/8"X27	1/2"X20	27.5	16.8	27.5	16
KJNJ-05-04-05	1/2"X20	Z1/4"X18	1/2"X20	29.5	22.4	29.5	19
KJNJ-06	9/16"X18	Z3/8"X18	9/16"X18	33.5	25.9	33.5	24
KJNJ-06-04-06	9/16"X18	Z1/4"X18	9/16"X18	30	22.4	30	19
KJNJ-08	3/4"X16	Z1/2"X14	3/4"X16	39.5	31.2	39.5	30
KJNJ-08-06-08	3/4"X16	Z3/8"X18	3/4"X16	36	25.9	36	24
KJNJ-10-08-10	7/8"X14	Z1/2"X14	7/8"X14	42.5	31.2	42.5	30
KJNJ-12	1.1/16"X12	Z3/4"X14	1.1/16"X12	48	34.5	48	33
KJNJ-16	1.5/16"X12	Z1"X11.5	1.5/16"X12	54	41.1	54	41
KJNJ-20	1.5/8"X12	Z1.1/4"X11.5	1.5/8"X12	59.4	43.2	59.4	48

NOTE: 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.



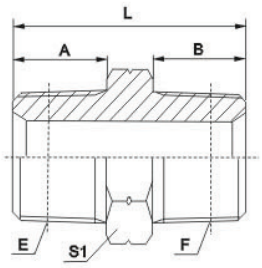


1JB-WD

JIC MALE 74° CONE / BSP MALE CAPTIVE SEAL

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

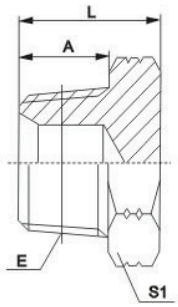
NOTE: Nut and sleeve should be ordered separately. The nut NB200 and sleeve NB500 is suitable for metric tube,the nut NB200 and sleeve NB300 is suitable for inch tube.



1N

NPT MALE

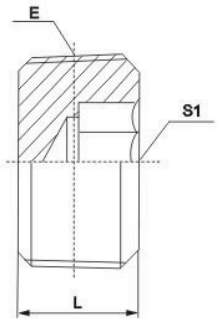
PART NO.	THREAD		DIMENSIONS			
	E	F	A	B	L	S1
1N-02	Z1/8"X27	Z1/8"X27	10.5	10.5	27	12
1N-02-04	Z1/8"X27	Z1/4"X18	10.5	15	31	17
1N-02-06	Z1/8"X27	Z3/8"X18	10.5	16	32	19
1N-04	Z1/4"X18	Z1/4"X18	15	15	35	17
1N-04-06	Z1/4"X18	Z3/8"X18	15	16	37	19
1N-04-08	Z1/4"X18	Z1/2"X14	15	19.5	41.5	22
1N-06	Z3/8"X18	Z3/8"X18	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	61	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	65	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	69	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	71	65



4N

NPT MALE PLUG

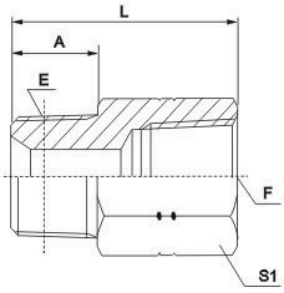
PART NO.	THREAD	DIMENSIONS		
	E	A	L	S1
4N-02	Z1/8"X27	10.5	16	12
4N-04	Z1/4"X18	15	20	17
4N-06	Z3/8"X18	16	21	19
4N-08	Z1/2"X14	19.5	27	22
4N-12	Z3/4"X14	19.5	29.5	27
4N-16	Z1"X11.5	25.5	36.5	36
4N-20	Z1.1/4"X11.5	26.5	38.5	46
4N-24	Z1.1/2"X11.5	27.5	43	50
4N-32	Z2"X11.5	27.5	43.5	65



4NN

NPT MALE HOLLOW HEX PLUG

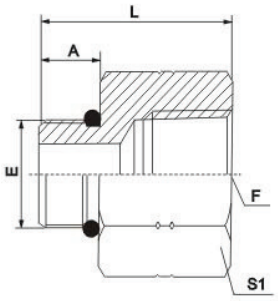
PART NO.	THREAD	DIMENSIONS	
	E	L	S1
4NN-02	Z1/8"X27	8	5
4NN-04	Z1/4"X18	10	6
4NN-06	Z3/8"X18	12	8
4NN-08	Z1/2"X14	15	10
4NN-12	Z3/4"X14	16	12
4NN-16	Z1"X11.5	18	17



5N

NPT MALE / NPT FEMALE

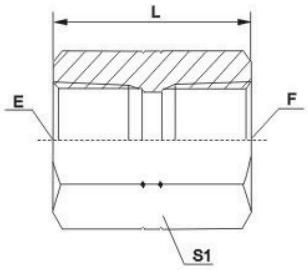
PART NO.	THREAD		DIMENSIONS		
	E	F	A	L	S1
5N-02	Z1/8"X27	Z1/8"X27	10.5	25.5	17
5N-02-04	Z1/8"X27	Z1/4"X18	10.5	31	19
5N-02-06	Z1/8"X27	Z3/8"X18	11	31	24
5N-04-02	Z1/4"X18	Z1/8"X27	15	22	17
5N-04	Z1/4"X18	Z1/4"X18	15	35.3	19
5N-04-06	Z1/4"X18	Z3/8"X18	15	36.6	24
5N-04-08	Z1/4"X18	Z1/2"X14	15	43	30
5N-06-02	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	17	43.7	30
5N-06-12	Z3/8"X18	Z3/4"X14	17	47	36
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-12-06	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	55.4	41
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	63.5	50
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	61.5	50
5N-20-24	Z1.1/4"X11.5	Z1.1/2"X11.5	26.5	62.5	60
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-24-32	Z1.1/2"X11.5	Z2"X11.5	27.5	66.5	70
5N-32-20	Z2"X11.5	Z1.1/4"X11.5	27.5	44.5	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	62.5	70



5ON

SAE O-RING BOSS L-SERIES
ISO 11926-3 / NPT FEMALE

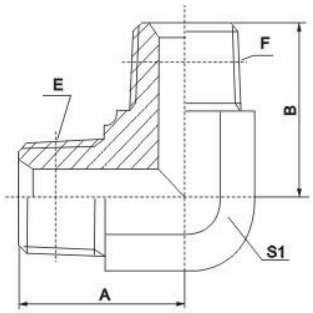
PART NO.	THREAD		O-RING	DIMENSIONS		
	E	F	E	A	L	S1
5ON-02	5/16"X24	Z1/8"X27	O902	7.54	24.5	17
5ON-02-04	5/16"X24	Z1/4"X18	O902	7.54	29	19
5ON-03-02	3/8"X24	Z1/8"X27	O903	7.54	24.5	17
5ON-03-04	3/8"X24	Z1/4"X18	O903	7.54	29	19
5ON-04-02	7/16"X20	Z1/8"X27	O904	9.1	24.5	17
5ON-04	7/16"X20	Z1/4"X18	O904	9.1	30.5	19
5ON-04-06	7/16"X20	Z3/8"X18	O904	9.1	30.7	24
5ON-05-02	1/2"X20	Z1/8"X27	O905	9.1	26	17
5ON-06-04	9/16"X18	Z1/4"X18	O906	9.9	31.5	19
5ON-08-04	3/4"X16	Z1/4"X18	O908	11.1	32.5	22
5ON-08-06	3/4"X16	Z3/8"X18	O908	11.1	34	22
5ON-08	3/4"X16	Z1/2"X14	O908	11.1	40	30
5ON-08-12	3/4"X16	Z3/4"X14	O908	11.1	40.1	36
5ON-10-08	7/8"X14	Z1/2"X14	O910	12.7	41.5	30
5ON-10-06	7/8"X14	Z3/8"X18	O910	12.7	35.5	27
5ON-10-12	7/8"X14	Z3/4"X14	O910	12.7	41	36
5ON-12-08	1.1/16"X12	Z1/2"X14	O912	15.1	42	32
5ON-12	1.1/16"X12	Z3/4"X14	O912	15.1	45.5	36
5ON-12-16	1.1/16"X12	Z1"X11.5	O912	15.1	50.5	41
5ON-16-12	1.5/16"X12	Z3/4"X14	O916	15.1	43	38
5ON-16	1.5/16"X12	Z1"X11.5	O916	15.1	51.5	41
5ON-20-16	1.5/8"X12	Z1"X11.5	O920	15.1	40	50
5ON-20	1.5/8"X12	Z1.1/4"X11.5	O920	15.1	53.5	50
5ON-24-16	1.7/8"X12	Z1"X11.5	O924	15.1	34	55
5ON-24-20	1.7/8"X12	Z1.1/4"X11.5	O924	15.1	48	55
5ON-24	1.7/8"X12	Z1.1/2"X11.5	O924	15.1	53.5	60
5ON-32	2.1/2"X12	Z2"X11.5	O932	15.1	50	70



7N

NPT FEMALE

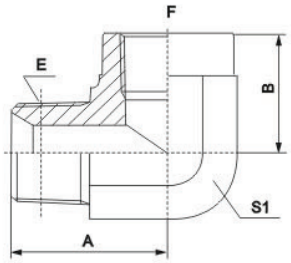
PART NO.	THREAD		DIMENSIONS	
	E	F	L	S1
7N-02	Z1/8"X27	Z1/8"X27	24	17
7N-02-04	Z1/8"X27	Z1/4"X18	27	19
7N-02-06	Z1/8"X27	Z3/8"X18	30	22
7N-04	Z1/4"X18	Z1/4"X18	29	19
7N-04-06	Z1/4"X18	Z3/8"X18	31	22
7N-04-08	Z1/4"X18	Z1/2"X14	35	30
7N-06	Z3/8"X18	Z3/8"X18	29	22
7N-06-08	Z3/8"X18	Z1/2"X14	38	30
7N-06-12	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



1N9

90° ELBOW NPT MALE

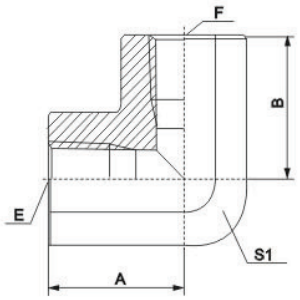
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
1N9-02	Z1/8"X27	Z1/8"X27	21	21	11
1N9-02-04	Z1/8"X27	Z1/4"X18	23.5	25.5	14
1N9-04	Z1/4"X18	Z1/4"X18	25.5	25.5	14
1N9-04-06	Z1/4"X18	Z3/8"X18	28	31	19
1N9-04-08	Z1/4"X18	Z1/2"X14	30.5	36.5	22
1N9-06	Z3/8"X18	Z3/8"X18	31	31	19
1N9-06-08	Z3/8"X18	Z1/2"X14	33.8	37.3	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
1N9-12-16	Z3/4"X14	Z1"X11.5	46.5	50	33
1N9-16	Z1"X11.5	Z1"X11.5	50	50	33
1N9-20	Z1.1/4"X11.5	Z1.1/4"X11.5	54	54	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



5N9

90° ELBOW NPT MALE / NPT FEMALE

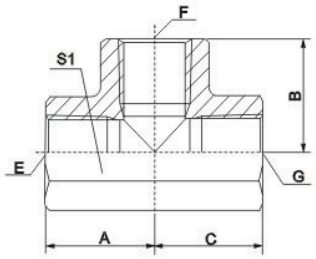
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
5N9-02	Z1/8"X27	Z1/8"X27	24.5	17.8	16
5N9-04-02	Z1/4"X18	Z1/8"X27	26.5	16.8	16
5N9-04	Z1/4"X18	Z1/4"X18	28	22.4	19
5N9-04-06	Z1/4"X18	Z3/8"X18	31	25	24
5N9-06-04	Z3/8"X18	Z1/4"X18	31	22.4	19
5N9-06	Z3/8"X18	Z3/8"X18	33.5	25	24
5N9-08	Z1/2"X14	Z1/2"X14	41.2	31.2	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	Z1"X11.5	Z1"X11.5	54.5	41.1	41
5N9-20	Z1.1/4"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



7N9-PK

90° ELBOW NPT FEMALE

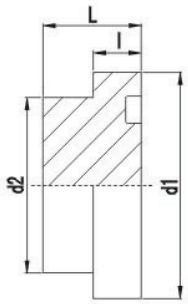
PART NO.	THREAD		DIMENSIONS		
	E	F	A	B	S1
7N9-02PK	Z1/8"X27	Z1/8"X27	20	20	16
7N9-02-04PK	Z1/8"X27	Z1/4"X18	20	22.5	19
7N9-04PK	Z1/4"X18	Z1/4"X18	22.5	22.5	19
7N9-04-06PK	Z1/4"X18	Z3/8"X18	25	26	24
7N9-06PK	Z3/8"X18	Z3/8"X18	26	26	24
7N9-06-08PK	Z3/8"X18	Z1/2"X14	26	31	27
7N9-08PK	Z1/2"X14	Z1/2"X14	31	31	27
7N9-08-12PK	Z1/2"X14	Z3/4"X14	34	34	33
7N9-12PK	Z3/4"X14	Z3/4"X14	34	34	33
7N9-12-16PK	Z3/4"X14	Z1"X11.5	42	42	41
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 FEMALE TEE

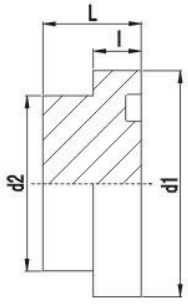
PART NO.	THREAD			DIMENSIONS			
	E	F	G	A	B	C	S1
GN-02PK	Z1/8"X27	Z1/8"X27	Z1/8"X27	20	20	20	16
GN-04PK	Z1/4"X18	Z1/4"X18	Z1/4"X18	22.5	22.5	22.5	19
GN-06PK	Z3/8"X18	Z3/8"X18	Z3/8"X18	26	26	26	24
GN-08PK	Z1/2"X14	Z1/2"X14	Z1/2"X14	31	31	31	27
GN-12PK	Z3/4"X14	Z3/4"X14	Z3/4"X14	34	34	34	33
GN-16PK	Z1"X11.5	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



4FL

ISO 6162-1 L-SERIES FLANGE PLUG

PART NO.	FLANGE SIZE	O-RING	DIMENSIONS				Mpa
			d1	d2	L	l	
4FL-08	1/2"	O210	30.2	24	16	6.8	34.5
4FL-12	3/4"	O214	38.1	31.5	17	6.8	
4FL-16	1"	O219	44.4	38	17	8	
4FL-20	1.1/4"	O222	50.8	43	17	8	27.6
4FL-24	1.1/2"	O225	60.3	50	19	8	20.7
4FL-32	2"	O228	71.4	62	19	9.6	
4FL-40	2.1/2"	O232	84.1	74	40	9.6	17.2
4FL-48	3"	O237	101.6	90	45	9.6	13.8



4FS

ISO 6162-1 S-SERIES FLANGE PLUG

PART NO.	FLANGE SIZE	O-RING	DIMENSIONS				Mpa
			d1	d2	L	l	
4FS-08	1/2"	O210	31.8	24	18	7.8	42
4FS-12	3/4"	O214	41.3	32	18	8.8	
4FS-16	1"	O219	47.6	38	18	9.5	
4FS-20	1.1/4"	O222	54	44	18	10.3	
4FS-24	1.1/2"	O225	63.5	51	20	12.6	
4FS-32	2"	O228	79.4	67	30	12.6	