PRODUCT CATALOGUE

FITTINGS & ADAPTORS

Hose fittings · Brass & steel compression · Pneumatics · Tubing · Tools

VISIT US

Unit 2B, 22 Mulder Street
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Gauteng, 1020

24/7 ON-CALL SERVICE

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Hydraulic Squad (Pty) Ltd Reg No. 2019/591521/07 VAT No. 4110314210

HYDRAULIC SQUAD

MISSION

TO CONTINUE STRIVING TO DO THE VERY BEST, TO GIVE OUR CUSTOMERS EFFICIENT, RELIABLE SERVICE AND QUALITY PRODUCTS.

VISION

TO BE KNOWN AS A RESPECTED SERVICE ORIENTATED COMPANY WITHIN OUR INDUSTRY.

CONDITIONS

PRICES EXCLUDE VAT AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.

CONTACT DETAILS

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COMPANY DETAILS

HYDRAULIC SQUAD (PTY) LTD
VAT NO: 4110314210
COMPANY REGISTRATION 2019/591521/07

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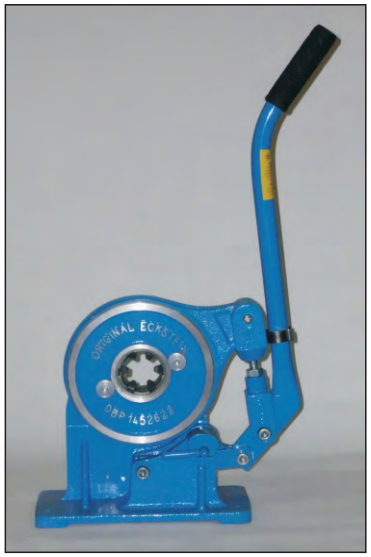
TOOLS & ACCESSORIES

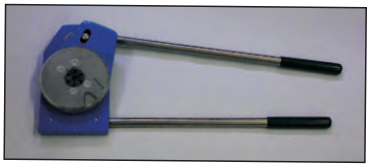
UPS 1 HANDCRIMPER

ITEMS	DESCRIPTION
100000	UPS1 HANDCRIMPER
	• 6 POINT PRESSING
	• USE WITH H COLLARS
	• INCL. TWO CRIMP SETS
	• CRIMPING RANGE 09-30MM ID COLLARS
	• BENCH MOUNTED
	• SEPERATE DIES ON REQUEST



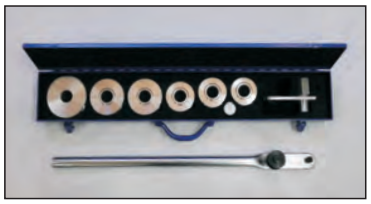
UPJ 2 HANDCRIMPER

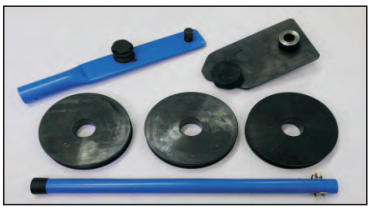
ITEMS	DESCRIPTION
100300	UPJ 2 HANDCRIMPER
	• 6 POINT PRESSING
	• USE WITH H COLLARS
	• ONLY ONE CRIMP SET
	• CRIMPING RANGE 09-17MM ID COLLARS



PIPE BENDERS FOR STEEL TUBE

ITEMS	DESCRIPTION
100500	06-18MM PIPE BENDER IN CARDBOARD BOX
100501	06-18MM PIPE BENDER IN STEEL BOX
	• PIPE BENDER WITH CHANGEABLE
	FORMERS FOR DIFFERENT PIPE SIZES
	• 06, 08, 10, 12, 14, 15, 16 & 18MM
100520	20-25MM PIPE BENDER
	• PIPE BENDER WITH CHANGEABLE
	FORMERS FOR DIFFERENT PIPE SIZES
	• 20, 22 & 25MM





PIPE BENDERS FOR BUNDY

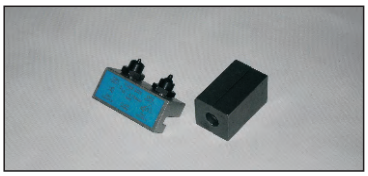
ITEMS	DESCRIPTION
100530	3/16 & 6MM BENDER FOR BUNDY

PIPE CUTTERS

ITEMS	DESCRIPTION
100630	STEEL PIPE CUTTER
	• CUTS 03-30MM STEEL PIPE

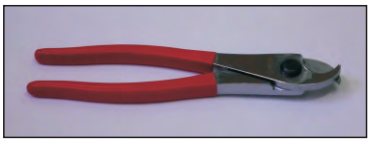
FLARING TOOL

ITEMS	DESCRIPTION
100840	FLARING TOOL
	• COMES IN METAL BOX
	• INCL. THREE DIE SETS 3/16, 06MM & 5/16
	• FLARES DOUBLE & SINGLE
	• VICE MOUNTED
	• ONLY FOR BUNDY TUBE
100871	3/16 FLARE SET
100872	1/4 FLARE SET
100873	5/16 / 08MM FLARE SET
100874	3/8 FLARE SET
100875	1/2 FLARE SET
100881	06MM FLARE SET
100889	10 MM FLARE SET
100890	12MM FLARE SET



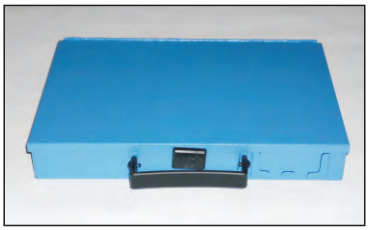
HOSE CUTTERS

ITEMS	DESCRIPTION
100602	22MM HOSE CUTTER
	• USE TO CUT PA TUBE OR RUBBER HOSE
100606	22MM BLADE
100620	SILVER HOSE CUTTER
	• USE TO CUT SILVER BRAIDED HOSE



SECTION BOXES

ITEMS	DESCRIPTION
100903	08 SECTION BOX
100902	12 SECTION BOX
100901	18 SECTION BOX



COPPER WASHER KIT

ITEMS	DESCRIPTION
100920	COPPER WASHER KIT
	• INCL. 18 DIFFERENT SIZES
	SIZES RANGE FROM 06-30MM - 1325 PIECES

* DOWTY AND ALUMINIUM WASHER KITS AVAILABLE ON REQUEST

O-RING KITS

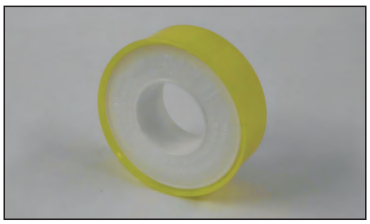
ITEMS	DESCRIPTION
125903	O-RING KIT IMPERIAL BOX G
125904	O-RING KIT METRIC BOX H
	• 70 SHORE HARDNESS
	• 30 SIZES
	• 382 - 385 PIECES

BLOW GUN

ITEMS	DESCRIPTION	SIZE
3200	BLOW GUN	1/4 BSP FEMALE

PTFE TAPE

ITEMS	DESCRIPTION	SOLD PER ROLL
100930	PTFE TAPE	ROLL



PICKING TOOL

ITEMS	DESCRIPTION
125905	PICKING TOOL FOR O'RINGS

PZ SILVER BRAIDED FUEL HOSE

ITEMS	DESCRIPTION	HOSE ID-MM	HOSE OD-MM	WORKING PRESSURE
101005	NW02	4.5	9.5	20 BAR
101006	NW04	5.5	10.5	20 BAR
101008	NW06	7.5	12.5	15 BAR
101010	NW08	9.5	14.0	15 BAR
101012	NW10	11.5	18.0	15 BAR
101015	NW13	14.5	22.0	15 BAR
101018	NW16	17.0	25.0	15 BAR
101020 NW20	NW20	22.0	32.0	10 BAR
101025 NW25	NW25	25.0	33.0	10 BAR

MAX TEMP 80°C
DIN 73379

PZA COTTON COVERED FUEL HOSE

ITEMS	DESCRIPTION	HOSE ID-MM	HOSE OD-MM	WORKING PRESSURE
101303	PZA 3	3.2	7.0	20 BAR
101304	PZA 5	4.5	9.5	20 BAR
101306	PZA 6	5.5	10.5	20 BAR
101308	PZA 8	7.5	12.5	15 BAR
101310	PZA10	9.5	15.0	15 BAR
101312	PZA12	11.5	17.5	15 BAR
101315	PZA15	14.5	21.5	12 BAR

MAX TEMP 80ºC
DIN 73379

PZG SMOOTH FUEL HOSE

ITEMS	DESCRIPTION	HOSE ID-MM	HOSE OD-MM	WORKING PRESSURE	BURST PRESSURE
281-0209	PZG 3	3.2	7.5	30 BAR	75 BAR
281-0310	PZG 5	4.5	10.5	30 BAR	75 BAR
281-0400	PZG 6	5.5	11.5	20 BAR	50 BAR
281-0600	PZG 8	7.5	13.5	20 BAR	50 BAR
281-0800	PZG10	9.3	15.3	20 BAR	50 BAR
281-1000	PZG12	11.5	18.5	20 BAR	50 BAR

MAX TEMP 80ºC
DIN 73379

CLEAR PVC REINFORCED HOSE 30 METER COILS

ITEMS	DESCRIPTION	HOSE ID-MM	HOSE OD-MM	WORKING PRESSURE	BURST PRESSURE
101906	CR006	6.0	10.5	13 BAR	59 BAR
101908	CR008	8.0	13.0	12 BAR	52 BAR
101910	CR010	10.0	15.0	11 BAR	45 BAR
101912	CR012	12.0	18.0	11 BAR	42 BAR
101916	CR016	16.0	22.0	10 BAR	40 BAR
101919	CR020	20.0	25.0	10 BAR	40 BAR
101925	CR025	25.0	32.0	10 BAR	40 BAR

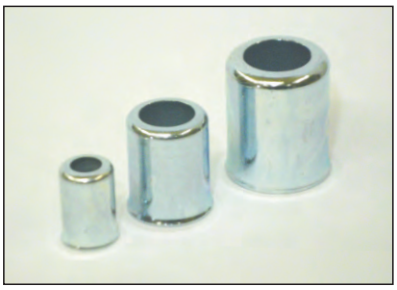
MAX TEMP 70ºC

SPIRAL GUARD - BLACK POLYETHELENE

ITEMS	DESCRIPTION	ID	OD	RANGE
102016	SG-16	13	16	13-18
102020	SG-20	16	20	16-26
102025	SG-25	21	25	22-28
102032	SG-32	27	32	27-40
102040	SG-40	34	40	34-44

H COLLARS

ITEMS	DESCRIPTION	COLLAR ID-MM	BORE MM	LENGTH
104040	H09	09.0	05.5	17.0
104050	H10	10.0	06.5	17.0
104060	H11	11.0	07.5	17.0
104062	H12	12.0	07.5	20.0
104080	H13	13.5	10.0	20.0
104084	H14	14.0	10.0	20.0
104105	H15	15.0	11.7	20.0
104100	H16	16.0	11.7	20.0
104107	H17	17.0	11.7	21.0
104118	H18	18.0	13.8	21.0
104112	H19	19.0	13.8	26.0
104120	H20	20.0	13.8	26.5
104122	H22	22.0	15.6	32.5
104123	H23	23.0	17.0	32.5
104124	H24	24.5	17.0	33.0
104126	H26	26.5	19.5	32.5
104128	H28	28.0	22.5	35.0
104130	H30	30.0	24.0	32.5
104132	H32	32.0	24.0	34.0
104133	H33	33.0	24.0	34.0



SN NIPPLES

ITEMS	DESCRIPTION	U NUT TO SUIT	HOSE ID-MM
105050	SN02	105510	04.5
105060	SN04	105512	05.5
105080	SN06	105514	07.5
105100	SN08	105516	09.5
105112	SN10	105518	11.5
105150	SN13	105522	14.5

DIN 7608

U NUTS

ITEMS	DESCRIPTION	THREAD SIZE	SN TO SUIT	HEX SW
105510	UWM 2	M10X1.0	105050	12
105512	UWM 4	M12X1.5	105060	14
105514	UWM 6	M14X1.5	105080	17
105516	UWM 8	M16X1.5	105100	19
105518	UWM10	M18X1.5	105112	22
105522	UWM13	M22X1.5	105150	27
105605	UZ 2	1/8 BSP	105050	14
105606	UZ 4	1/4 BSP	105060	17
105608	UZ 6	1/4 BSP	105080	17
105610	UZ 8	3/8 BSP	105100	19

DIN 3870

RSN BANJOS FOR RUBBER HOSE

ITEMS	DESCRIPTION	HOSE ID	HOLE FOR BOLT
106006	RSN 1	4-5	M06
106008	RSN 2	4-5	M08
106010	RSN 4	5-6	M10
106012	RSN 6-4	5-6	M12
106014	RSN 8-4	5-6	M14
106112	RSN 6	8	M12
106114	RSN 8-6	8	M14
106214	RSN 8	10	M14
106216	RSN 10-8	10	M16
106316	RSN 10	12	M16
106318	RSN 13-8	12	M18
106418	RSN 13	15	M18

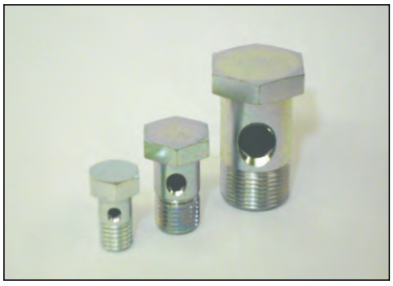
DIN 7642

DRSN BANJOS FOR RUBBER HOSE

ITEMS	DESCRIPTION	HOSE ID	HOLE FOR BOLT
106808	DRSN 2-2	4-5	M08
106810	DRSN 4-2	5-6	M10
106812	DRSN 6-2	8	M12
106814	DRSN 8-2	10	M14

HS BANJO BOLTS

ITEMS	DESCRIPTION	THREAD SIZE	SHAFT LENGTH	HEX SW
107006	HS 1	M06X1.00	17.0	11
107008	HS 2	M08X1.00	17.0	12
107009	HS 3-1.25	M08X1.25	17.0	12
107010	HS 4	M10X1.00	19.0	14
107210	HS 4-1.25	M10X1.25	19.0	14
107011	HS 5	M10X1.50	19.0	14
107212	HS 6-1.25	M12X1.25	19.0	17
107012	HS 6	M12X1.50	24.0	17
107014	HS 8	M14X1.50	26.0	19
107016	HS 10	M16X1.50	28.0	22
107018	HS 13	M18X1.50	32.0	24
107022	HS 16	M22X1.50	39.0	27
107026	HS 20	M26X1.50	45.0	32
107030	HS 26	M30X1.50	51.0	36
107040	HS 1/8	1/8 BSP	19.0	14
107041	HS 1/4	1/4 BSP	26.0	19
107042	HS 3/8	3/8 BSP	28.0	22
107043	HS 1/2	1/2 BSP	39.0	27



DIN 7643

DHS DOUBLE BANJO BOLTS

ITEMS	DESCRIPTION	THREAD SIZE	SHAFT LENGTH	HEX SW
107108	DHS 2	M08X1.0	27.0	12
107110	DHS 4	M10X1.0	30.0	14
107112	DHS 6	M12X1.5	38.0	17
107114	DHS 8	M14X1.5	42.0	19
107116	DHS 10	M16X1.5	46.0	22
107118	DHS 13	M18X1.5	54.0	24

DIN 7643

BE STANDPIPES

ITEMS	DESCRIPTION	STANDPIPE OD	HOSE ID
108306	BE 6-90º	M06	5-6
108308	BE 8-90º	M08	8
108310	BE10-90º	M10	10
108312	BE12-90º	M12	12
108315	BE15-90º	M15	15
108307	BE 6-45º	M06	5-6
108309	BE 8-45º	M08	8
108311	BE10-45º	M10	10
108313	BE12-45º	M12	12
108504	BE 4	M04	5
108506	BE 6	M06	6
108508	BE 8	M08	8
108510	BE 10	M10	10
108512	BE 12	M12	12
108515	BE 15	M15	15
108518	BE 18	M18	18

RL SOLDER BANJOS

ITEMS	DESCRIPTION	FOR PIPE OD	HOLE FOR BOLT
109008	RL 3	M05	M08
109010	RL 4	M06	M10
109012	RL 6-6	M06	M12
109112	RL 6	M08	M12
109114	RL 8-6	M08	M14
109214	RL 8	M10	M14
109216	RL 10-8	M10	M16
109316	RL 10	M12	M16
109318	RL 13-10	M12	M18
109418	RL 13	M15	M18
109422	RL 16	M18	M22
109526	RL 20	M22	M26
109530	RL 25	M28	M30

DIN 7642

DRL SOLDER BANJOS

ITEMS	DESCRIPTION	FOR PIPE OD	HOLE FOR BOLT
109608	DRL 2-2	M05	M08
109610	DRL 4-2	M06	M10
109612	DRL 6-2	M08	M12
109614	DRL 8-2	M10	M14

LN SEALING CONES

ITEMS	DESCRIPTION	FOR PIPE OD	U NUT TO SUIT
109705	LN 5	M05	105510
109706	LN 6	M06	105512
109708	LN 8	M08	105514
109710	LN 10	M10	105516
109712	LN 12	M12	105518
109715	LN 15	M15	105522
109718	LN 18	M18	105526

DIN 7608

AL SOLDER STUDS

ITEMS	DESCRIPTION	FOR PIPE OD	THREAD SIZE
109806	LST 6-12	M06	M12X1.5
109808	LST 8-14	M08	M14X1.5
109810	LST10-16	M10	M16X1.5

DIN 7633

SA HOSE NIPPLES

ITEMS	DESCRIPTION	FITS ID HOSE MM	THREAD SIZE
110205	SA 5-10	4-5	M10X1.0
110206	SA 6-12	5-6	M12X1.5
110208	SA 8-14	8	M14X1.5
110210	SA10-16	10	M16X1.5
110212	SA12-18	12	M18X1.5

RSP BANJOS FOR NYLON TUBE

ITEMS	DESCRIPTION	TUBE ID	HOLE FOR BOLT
120505	RSP 4-08	M04	M08
120506	RSP 4-10	M04	M10
120507	RSP 4-12	M04	M12
120508	RSP 4-14	M04	M14
120509	RSP 4-16	M04	M16
120516	RSP 5-12	M05	M12
120520	RSP 6-10	M06	M10
120521	RSP 6-12	M06	M12
120522	RSP 6-14	M06	M14
120523	RSP 6-16	M06	M16
120530	RSP 8-12	M08	M12
120531	RPS 8-14	M08	M14
120532	RSP 8-16	M08	M16
120540	RSP 9-14	M09	M14
120541	RSP 9-16	M09	M16

SP NIPPLES FOR NYLON TUBE

ITEMS	DESCRIPTION	U NUT	TUBE ID
120600	SP 4-10	105510	M04
120601	SP 4-12	105512	M04
120610	SP 6-14	105514	M06
120616	SP 8-16	105516	M08
120620	SP 9-16	105516	M09
120622	SP 9-18	105518	M09

AF-CAB HOSE & REUSABLE FITTINGS

ITEMS	DESCRIPTION	FITS ID	
120900	HAF-4 COLLAR	3/16	12 HEX SW
120903	BE 6L STANDPIPE	3/16	6.0 MM
120904	AF-4 POLYAMIDE HOSE	3/16	325 BAR
120916	BE 6L 90º STANDPIPE	3/16	6.0 MM
120934	BE 6L 45º STANDPIPE	3/16	6.0 MM

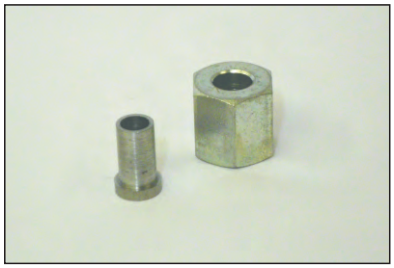
INJECTOR SOLDER NIPPLE

ITEMS	DESCRIPTION	FITS OD TUBE	INJECTOR NUT TO SUIT
123022	DELN 12	M6.0X2.0	123042
123024	DELN 14	M6.0X2.0	123044

INJECTOR SLEEVES & NUTS

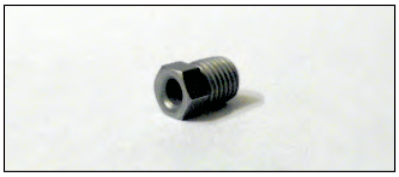
ITEMS	DESCRIPTION	FITS OD TUBE MM	INJECTOR NUT TO SUIT
123032	DEVH 12	M6.0X2.0	123042
123034	DEVH 14	M6.0X2.0	123044

ITEMS	DESCRIPTION	THREAD SIZE MM	INJECTOR SLEEVE TO SUIT
123042	DEUM 12	M12X1.5	123032
123044	DEUM 14	M14X1.5	123034



TUBE NUT

ITEMS	DESCRIPTION	THREAD SIZE	TUBE OD
124800	M08X1.0 TUBE NUT	08X1.0	04



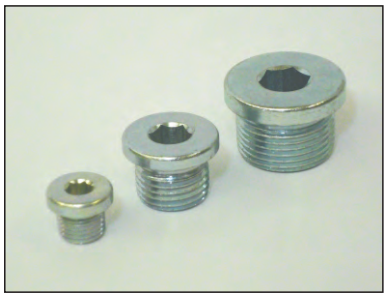
VSS HEX PLUGS

ITEMS	DESCRIPTION	THREAD SIZE	HEX SW
124110	VSS 10	M10X1.0	10
124112	VSS 12	M12X1.5	13
124114	VSS 14	M14X1.5	13
124116	VSS 16	M16X1.5	17
124118	VSS 18	M18X1.5	17
124120	VSS 20	M20X1.5	19
124122	VSS 22	M22X1.5	19
124124	VSS 24	M24X1.5	22
124126	VSS 26	M26X1.5	24
124130	VSS 30	M30X1.5	24
124209	VSS 1/8	1/8 BSP	10
124213	VSS 1/4	1/4 BSP	13
124217	VSS 3/8	3/8 BSP	17
124221	VSS 1/2	1/2 BSP	19
124227	VSS 3/4	3/4 BSP	24
124233	VSS 1"	1" BSP	27

DIN 910

IVSS INTERNAL PLUGS

ITEMS	DESCRIPTION	THREAD SIZE	INSIDE HEX MM
124310	IVSS 10	M10X1.0	5
124312	IVSS 12	M12X1.5	6
124314	IVSS 14	M14X1.5	6
124316	IVSS 16	M16X1.5	8
124318	IVSS 18	M18X1.5	8
124320	IVSS 20	M20X1.5	10
124322	IVSS 22	M22X1.5	10
124324	IVSS 24	M24X1.5	12
124326	IVSS 26	M26X1.5	12
124330	IVSS 30	M30X1.5	17
124409	IVSS 1/8	1/8 BSP	5
124413	IVSS 1/4	1/4 BSP	6
124417	IVSS 3/8	3/8 BSP	8
124421	IVSS 1/2	1/2 BSP	10
124427	IVSS 3/4	3/4 BSP	12
124433	IVSS 1"	1" BSP	17



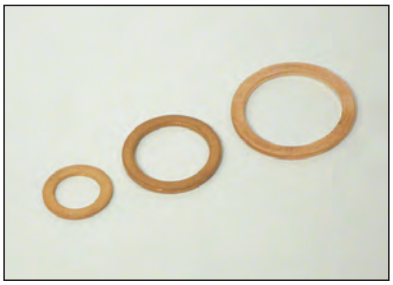
DIN 908

IVSS INTERNAL PLUG

ITEMS	DESCRIPTION	THREAD SIZE	INSIDE HEX MM
124338	IVSS M08X1.0 (NO SHOULDER)	M08X1.0	4

CU COPPER WASHERS

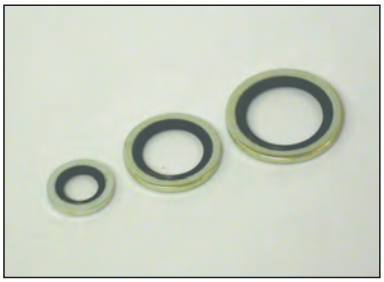
ITEMS	DESCRIPTION	ID MM	OD MM	THICKNESS MM
125006	CU 5-9	05	09	1.0
125007	CU 6-10	06	10	1.0
125008	CU 6-12	06	12	1.0
125009	CU 8-12	08	12	1.0
125011	CU 8-14	08	14	1.0
125015	CU 10-14 1/8 BSP	10	14	1.0
125016	CU 10-16 1/8 BSP	10	16	1.0
125017	CU 10-16	10	16	2.0
125020	CU 12-16	12	16	1.5
125022	CU 12-18	12	18	1.5
125025	CU 13-18 1/4 BSP	13	18	1.5
125026	CU 14-18	14	18	1.5
125027	CU 13-18	13	18	1.0
125028	CU 14-20	14	20	1.5
125030	CU 14-20	14	20	2.0
125032	CU 16-20	16	20	1.5
125034	CU 16-22	16	22	1.5
125236	CU 17-21 3/8 BSP	17	21	1.5
125238	CU 17-23 3/8 BSP	17	23	1.5
125240	CU 18-22	18	22	1.5
125242	CU 18-24	18	24	1.5
125246	CU 20-26	20	26	1.5
125248	CU 21-26 1/2 BSP	21	26	1.5
125250	CU 22-27	22	27	1.5
125252	CU 22-29	22	29	1.5
125254	CU 24-30	24	30	2.0
125256	CU 24-32	24	32	2.0
125258	CU 26-32	26	32	2.0
125260	CU 27-32 3/4 BSP	27	32	2.0
125262	CU 28-36	28	36	2.0
125264	CU 30-36	30	36	2.0
125266	CU 30-38	30	38	2.0
125268	CU 32-38	32	38	2.0
125270	CU 33-39 1"BSP	33	39	2.0
125274	CU 36-42	36	42	2.0
125276	CU 40-47	40	47	2.0
125277	CU 42-49 1 1/4 BSP	42	49	2.0
125278	CU 45-52	45	52	2.0
125282	CU 48-55 1 1/2 BSP	48	55	2.0
125284	CU 50-57	50	57	2.0
125288	CU 60-68 2" BSP	60	68	2.0



DIN 7603

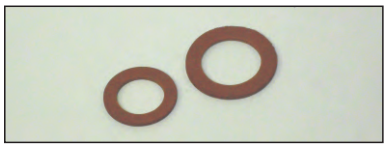
DW DOWTY WASHERS

ITEMS	DESCRIPTION	DW ID	DW OD	THICKNESS MM
125480	DW - 2	1/8	15.88	2.0
125481	DW - 4	1/4	20.57	2.0
125482	DW - 6	3/8	23.80	2.0
125483	DW - 8	1/2	28.58	2.5
125488	DW -10	5/8	31.75	2.5
125484	DW -12	3/4	34.93	2.5
125485	DW -16	1"	42.80	3.2
125486	DW -20	1 1/4	52.38	3.2
125487	DW -24	1 1/2	58.60	3.2
125489	DW -32	2"	73.03	3.2
125491	DW 06	M06	11.00	1.0
125492	DW 08	M08	14.00	1.0
125493	DW 10	M10	16.08	1.5
125494	DW 12	M12	19.00	1.5
125495	DW 14	M14	22.00	1.5
125496	DW 16	M16	24.00	1.5
125498	DW 18	M18	26.00	1.5
125499	DW 20	M20	28.00	1.5
125500	DW 22	M22	30.00	2.0
125501	DW 24	M24	32.00	2.0
125484	DW 26	M26	34.93	2.5
125504	DW 30	M30	38.20	2.5



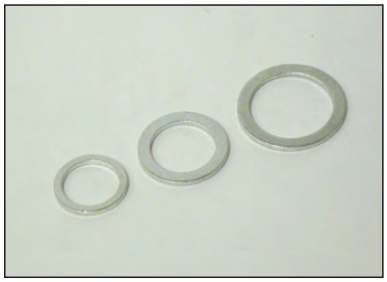
VF FIBRE WASHERS

ITEMS	DESCRIPTION	ID MM	OD MM	THICKNESS
125700	VF - 15MM STOSS FLATFACE	12.0	19.0	1.5
125710	VF - 18MM STOSS FLATFACE	15.0	24.0	1.5



AL ALUMINIUM WASHERS

ITEMS	DESCRIPTION	ID MM	OD MM	THICKNESS MM
125607	AL 6-10	06	10	1.0
125610	AL 8-12	08	12	1.0
125615	AL 10-14	10	14	1.0
125620	AL 12-16	12	16	1.5
125628	AL 14-20	14	20	1.5
125634	AL 16-22	16	22	1.5
125642	AL 18-24	18	24	1.5
125650	AL 22-27	22	27	1.5
125658	AL 26-32	26	32	2.0



DIN 7603

DRRU GASKETS & O-RINGS

ITEMS	DESCRIPTION	ID MM	OD MM	THREAD SIZE
125800	DRRU 10	10	15	M10
125801	DRRU 12	12	17	M12
125802	DRRU 14	14	19	M14
125803	DRRU 16	16	21	M16
125804	DRRU 18	18	23	M18
125805	DRRU 22	22	27	M22
125806	DRRU 26	26	31	M26

SGL NORMA HOSE CLAMPS

ITEMS	DESCRIPTION	CLAMPING RANGE MM	WIDTH MM
126208	SGL 08-12	08-12	9
126210	SGL 08-16	08-16	9
126212	SGL 12-22	12-22	9
126216	SGL 16-27	16-27	9
126220	SGL 20-32	20-32	9
126225	SGL 25-40	25-40	9
126235	SGL 35-50	35-50	9
126240	SGL 40-60	40-60	9
126250	SGL 50-70	50-70	9
126260	SGL 60-80	60-80	9
126270	SGL 70-90	70-90	9
126280	SGL 80-100	80-100	9
126290	SGL 90-110	90-110	9

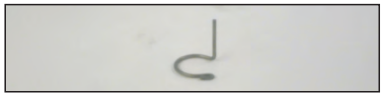
RSGU PIPE CLAMPS

ITEMS	DESCRIPTION	TUBE OD	BAND WIDTH	BOLT SIZE MM
127700	RSGU 06-12	06	12	5
127702	RSGU 06-15	06	15	6
127705	RSGU 08-12	08	12	5
127708	RSGU 08-15	08	15	6
127710	RSGU 10-12	10	12	5
127712	RSGU 10-15	10	15	6
127714	RSGU 12-12	12	12	5
127715	RSGU 12-15	12	15	6
127720	RSGU 15-15	15	15	6
127724	RSGU 16-15	16	15	6
127730	RSGU 18-15	18	15	6
127734	RSGU 20-15	20	15	6
127736	RSGU 22-15	22	15	6
127739	RSGU 25-15	25	15	6
127742	RSGU 28-20	28	20	8
127744	RSGU 30-20	30	20	8
127754	RSGU 35-20	35	20	8
127757	RSGU 40-20	40	20	8
127760	RSGU 45-20	45	20	8
127762	RSGU 50-20	50	20	8

BALL JOINTS

ITEMS	DESCRIPTION	THREAD MM	BALL MM
129000	WGL M 5	M05X0.80	8
129001	WGL M 6	M06X1.00	10
129002	WGL M 6 LEFT	M06X1.00	10
129003	WGL M 6 LONG	M06X1.00	10
129005	WGL M 8	M08X1.25	13
129006	WGL M 8 LEFT	M08X1.25	13
129007	WGL M 8 LONG	M08X1.25	13
129010	WGL M 10	M10X1.50	16
129012	WGL M 12	M12X1.75	16
	BALL PLUG		
129101	BZ M 6	M06X1.00	10
129106	BZ M 8	M08X1.25	13
	BALL SOCKET		
129121	KP M 6	M06X1.00	
129126	KP M 8	M08X1.25	
	SECURING PLUG		
129201	SI M 6	M06	
129206	SI M 8	M08	

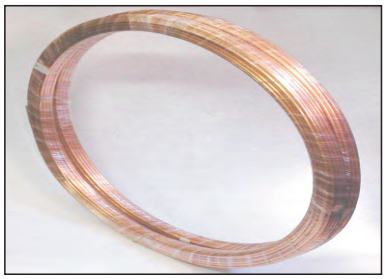
DIN 71802



CU COPPER TUBE

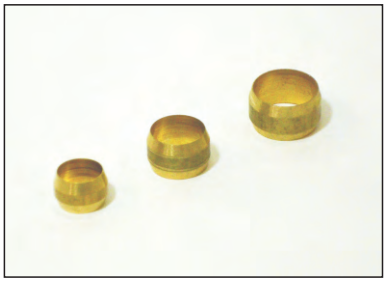
ITEMS	DESCRIPTION	OD MM	ID MM
127972	06X1.0 CU TUBE	06	04
127973	08X1.0 CU TUBE	08	06
127974	10X1.0 CU TUBE	10	08
127975	12X1.0 CU TUBE	12	10

50 METER COILS



DKN BRASS STUFFING CONES / OLIVES

ITEMS	DESCRIPTION	ID	TUBE
128000	DKN 4	M04	M04
128002	DKN 6	M06	M06
128003	DKN 8	M08	M08
128004	DKN 10	M10	M10
128005	DKN 12	M12	M12
128114	DKN 14	M14	M14
128115	DKN 15	M15	M15
128116	DKN 16	M16	M16
128102	DKN 1/8	1/8	1/8
128103	DKN 3/16	3/16	3/16
128104	DKN 1/4	1/4	1/4
128105	DKN 5/16	5/16	5/16
128106	DKN 3/8	3/8	3/8
128108	DKN 1/2	1/2	1/2



VHP INSERTS FOR NYLON TUBE

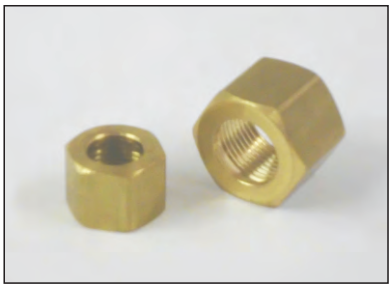
ITEMS	DESCRIPTION	TUBE ID	TUBE OD
120200	VHP 4-1.0	M02	M04
120210	VHP 6-1.0	M04	M06
120215	VHP 8-1.0	M06	M08
120215	VHP 9-1.5	M06	M09
120225	VHP10-1.0	M08	M10
120225	VHP11-1.5	M08	M11
120235	VHP12-1.5	M09	M12
120244	VHP14-1.5	M11	M14
120250	VHP15-1.5	M12	M15
120250	VHP16-2.0	M12	M16
120260	VHP18-2.0	M14	M18
120303	VHP 3/16	3.79	3/16
120304	VHP 1/4	4.35	1/4
120306	VHP 3/8	6.73	3/8
120308	VHP 1/2	9.70	1/2

BRASS FITTING THREAD SIZES

METRIC		IMPERIAL	
M04	08X1.0	1/8	5/16-24 UNF
M06	10X1.0	3/16	3/8-24 UNF
M08	12X1.0	1/4	7/16-24 UNF
M10	16X1.5	5/16	1/2-24 UNF
M12	18X1.5	3/8	9/16-24 UNF
		1/2	11/16-20 UNF

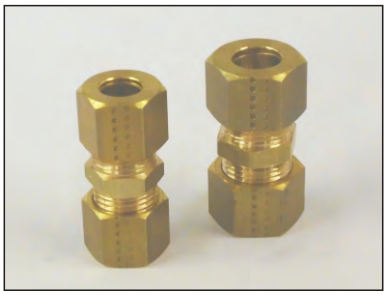
BRASS NUTS

ITEMS	DESCRIPTION	PIPE OD
200104	04MM BRASS NUT	M04
200106	06MM BRASS NUT	M06
200108	08MM BRASS NUT	M08
200110	10MM BRASS NUT	M10
200112	12MM BRASS NUT	M12
201102	1/8 BRASS NUT	1/8
201103	3/16 BRASS NUT	3/16
201104	1/4 BRASS NUT	1/4
201105	5/16 BRASS NUT	5/16
201106	3/8 BRASS NUT	3/8
201108	1/2 BRASS NUT	1/2



BRASS COMPRESSION UNIONS

ITEMS	DESCRIPTION	PIPE OD
200204	04MM BRASS UNION	M04
200206	06MM BRASS UNION	M06
200208	08MM BRASS UNION	M08
200210	10MM BRASS UNION	M10
200212	12MM BRASS UNION	M12
200215	15MM BRASS UNION	M15
201202	1/8 BRASS UNION	1/8
201203	3/16 BRASS UNION	3/16
201204	1/4 BRASS UNION	1/4
201205	5/16 BRASS UNION	5/16
201206	3/8 BRASS UNION	3/8
201208	1/2 BRASS UNION	1/2



BRASS COMPRESSION ELBOWS

ITEMS	DESCRIPTION	PIPE OD
200304	04MM BRASS ELBOW	M04
200306	06MM BRASS ELBOW	M06
200308	08MM BRASS ELBOW	M08
200310	10MM BRASS ELBOW	M10
200312	12MM BRASS ELBOW	M12
201302	1/8 BRASS ELBOW	1/8
201303	3/16 BRASS ELBOW	3/16
201304	1/4 BRASS ELBOW	1/4
201305	5/16 BRASS ELBOW	5/16
201306	3/8 BRASS ELBOW	3/8
201308	1/2 BRASS ELBOW	1/2

BRASS COMPRESSION TEES

ITEMS	DESCRIPTION	PIPE OD
200404	04MM BRASS TEE	M04
200406	06MM BRASS TEE	M06
200408	08MM BRASS TEE	M08
200410	10MM BRASS TEE	M10
200412	12MM BRASS TEE	M12
201402	1/8 BRASS TEE	1/8
201403	3/16 BRASS TEE	3/16
201404	1/4 BRASS TEE	1/4
201405	5/16 BRASS TEE	5/16
201406	3/8 BRASS TEE	3/8
201408	1/2 BRASS TEE	1/2

BRASS COMPRESSION MALE STUDS BSPT

ITEMS	DESCRIPTION	TUBE OD	THREAD
210418	04-1/8 BSPT BRASS MALE STUD	M04	1/8
210618	06-1/8 BSPT BRASS MALE STUD	M06	1/8
210614	06-1/4 BSPT BRASS MALE STUD	M06	1/4
210818	08-1/8 BSPT BRASS MALE STUD	M08	1/8
210814	08-1/4 BSPT BRASS MALE STUD	M08	1/4
210838	08-3/8 BSPT BRASS MALE STUD	M08	3/8
211014	10-1/4 BSPT BRASS MALE STUD	M10	1/4
211038	10-3/8 BSPT BRASS MALE STUD	M10	3/8
211012	10-1/2 BSPT BRASS MALE STUD	M10	1/2
211238	12-3/8 BSPT BRASS MALE STUD	M12	3/8
211212	12-1/2 BSPT BRASS MALE STUD	M12	1/2

BRASS COMPRESSION MALE STUDS NPT

ITEMS	DESCRIPTION	TUBE OD	THREAD
220218	1/8-1/8 NPT BRASS MALE STUD	1/8	1/8
220318	3/16-1/8 NPT BRASS MALE STUD	3/16	1/8
220418	1/4-1/8 NPT BRASS MALE STUD	1/4	1/8
220414	1/4-1/4 NPT BRASS MALE STUD	1/4	1/4
220518	5/16-1/8 NPT BRASS MALE STUD	5/16	1/8
220514	5/16-1/4 NPT BRASS MALE STUD	5/16	1/4
220614	3/8-1/4 NPT BRASS MALE STUD	3/8	1/4
220638	3/8-3/8 NPT BRASS MALE STUD	3/8	3/8
220612	3/8-1/2 NPT BRASS MALE STUD	3/8	1/2
220838	1/2-3/8 NPT BRASS MALE STUD	1/2	3/8
220812	1/2-1/2 NPT BRASS MALE STUD	1/2	1/2

BRASS COMPRESSION STUD ELBOWS BSPT

ITEMS	DESCRIPTION	PIPE OD	THREAD
230418	04-1/8 BSPT BRASS MALE ELBOW	M04	1/8
230618	06-1/8 BSPT BRASS MALE ELBOW	M06	1/8
230614	06-1/4 BSPT BRASS MALE ELBOW	M06	1/4
230818	08-1/8 BSPT BRASS MALE ELBOW	M08	1/8
230814	08-1/4 BSPT BRASS MALE ELBOW	M08	1/4
231014	10-1/4 BSPT BRASS MALE ELBOW	M10	1/4
231038	10-3/8 BSPT BRASS MALE ELBOW	M10	3/8
231012	10-1/2 BSPT BRASS MALE ELBOW	M10	1/2
231238	12-3/8 BSPT BRASS MALE ELBOW	M12	3/8
231212	12-1/2 BSPT BRASS MALE ELBOW	M12	1/2

BRASS COMPRESSION MALE STUD ELBOWS NPT

ITEMS	DESCRIPTION	PIPE OD	THREAD
240218	1/8-1/8 NPT BRASS STUD ELBOW	1/8	1/8
240318	3/16-1/8 NPT BRASS STUD ELBOW	3/16	1/8
240418	1/4-1/8 NPT BRASS STUD ELBOW	1/4	1/8
240414	1/4-1/4 NPT BRASS STUD ELBOW	1/4	1/4
240518	5/16-1/8 NPT BRASS STUD ELBOW	5/16	1/8
240514	5/16-1/4 NPT BRASS STUD ELBOW	5/16	1/4
240614	3/8-1/4 NPT BRASS STUD ELBOW	3/8	1/4
240638	3/8-3/8 NPT BRASS STUD ELBOW	3/8	3/8
240838	1/2-3/8 NPT BRASS STUD ELBOW	1/2	3/8
240812	1/2-1/2 NPT BRASS STUD ELBOW	1/2	1/2

EQUAL FEMALE TEE NICKEL PLATED BRASS

ITEMS	DESCRIPTION	THREAD SIZE
2003-1/8	EFT 1/8	1/8 BSP
2003-1/4	EFT 1/4	1/4 BSP
2003-3/8	EFT 3/8	3/8 BSP
2003-1/2	EFT 1/2	1/2 BSP

EQUAL FEMALE ELBOW NICKEL PLATED BRASS

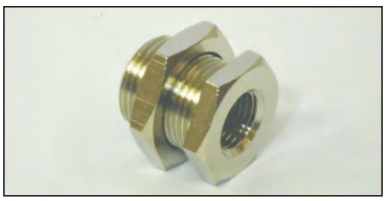
ITEMS	DESCRIPTION	THREAD SIZE
2013-1/8	EFE 1/8	1/8 BSP
2013-1/4	EFE 1/4	1/4 BSP
2013-3/8	EFE 3/8	3/8 BSP
2013-1/2	EFE 1/2	1/2 BSP

MALE/FEMALE ELBOW NICKEL PLATED BRASS

ITEMS	DESCRIPTION	THREAD SIZE
2020-1/8	MFE 1/8	1/8 BSP
2020-1/4	MFE 1/4	1/4 BSP
2020-3/8	MFE 3/8	3/8 BSP
2020-1/2	MFE 1/2	1/2 BSP

BULKHEAD ADAPTOR NICKEL PLATED BRASS

ITEMS	DESCRIPTION	BULKHEAD SIZE	FEMALE SIZE
2117-00-13	BA20-1/4	M20X1.5	1/4 BSP



HEX NIPPLES NICKEL PLATED BRASS

ITEMS	DESCRIPTION	THREAD SIZE
2500-1/8	HN 1/8	1/8 BSPT
2500-1/4	HN 1/4	1/4 BSPT
2500-3/8	HN 3/8	3/8 BSPT
2500-1/2	HN 1/2	1/2 BSPT

UNEQUAL HEX NIPPLES NICKEL PLATED BRASS

ITEMS	DESCRIPTION	THREAD SIZE
2510-1/8-1/4	UHN 1/8-1/4	1/8 X 1/4 BSPT
2510-1/4-3/8	UHN 1/4-3/8	1/4 X 3/8 BSPT
2510-1/4-1/2	UHN 1/4-1/2	1/4 X 1/2 BSPT
2510-3/8-1/2	UHN 3/8-1/2	3/8 X 1/2 BSPT

REDUCERS BSP NICKEL PLATED BRASS

ITEMS	DESCRIPTION	THREAD SIZE
2531-1/8-1/4	RED 1/4-1/8	1/4M X 1/8F BSP
2531-1/4-3/8	RED 3/8-1/4	3/8M X 1/4F BSP
2531-1/4-1/2	RED 1/2-1/4	1/2M X 1/4F BSP
2531-3/8-1/2	RED 1/2-3/8	1/2M X 3/8F BSP
2531-1/2-3/4	RED 3/4-1/2	3/4M X 1/2F BSP

REDUCERS BSPT NICKEL PLATED BRASS

ITEMS	DESCRIPTION	THREAD SIZE
2532-1/8-1/4	RED 1/4-1/8	1/4MX1/8F BSPT
2532-1/4-3/8	RED 3/8-1/4	3/8MX1/4F BSPT
2532-3/8-1/2	RED 1/2-3/8	1/2MX3/8F BSPT
2532-1/2-3/4	RED 3/4-1/2	3/4MX1/2F BSPT

HEX SOCKETS NICKEL PLATED BRASS

ITEMS	DESCRIPTION	THREAD SIZE
2543-1/8	HSC 1/8	1/8 BSP
2543-1/4	HSC 1/4	1/4 BSP
2543-3/8	HSC 3/8	3/8 BSP
2543-1/2	HSC 1/2	1/2 BSP
2543-3/4	HSC 3/4	3/4 BSP

HOSE MENDERS BRASS

ITEMS	DESCRIPTION	HOSE ID
2600-07-07	HM 1/4	1/4
2600-08-08	HM 5/16	5/16
2600-10-10	HM 3/8	3/8
2600-13-13	HM 1/2	1/2

BARB TEES BRASS

ITEMS	DESCRIPTION	HOSE ID
2603-07-07	1/4 BARB TEE	1/4
2603-08-08	5/16 BARB TEE	5/16
2603-10-10	3/8 BARB TEE	3/8
2603-13-13	1/2 BARB TEE	1/2

SILENCERS

ITEMS	DESCRIPTION	THREAD SIZE
2670-00-10	CONE SHAPED-1/8	1/8 BSP
2670-00-13	CONE SHAPED-1/4	1/4 BSP
2670-00-17	CONE SHAPED-3/8	3/8 BSP
2670-00-21	CONE SHAPED-1/2	1/2 BSP

AF BRASS HOSE TAILS

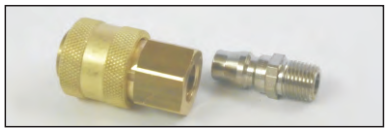
ITEMS	DESCRIPTION	TAIL SIZE	THREAD SIZE
2701-05-1/8	AF 203 BT	05	1/8 BSPT
2701-07-1/8	AF 204 BT	07	1/8 BSPT
2701-07-1/4	AF 404 BT	07	1/4 BSPT
2701-07-3/8	AF 604 BT	07	3/8 BSPT
2701-08-1/4	AF 405 BT	08	1/4 BSPT
2701-08-3/8	AF 605 BT	08	3/8 BSPT
2701-10-1/4	AF 406 BT	10	1/4 BSPT
2701-10-3/8	AF 606 BT	10	3/8 BSPT
2701-10-1/2	AF 806 BT	10	1/2 BSPT
2701-12-1/4	AF 408 BT	12	1/4 BPST
2701-12-3/8	AF 608 BT	12	3/8 BSPT
2701-12-1/2	AF 808 BT	12	1/2 BSPT

PNEUMATIC COUPLERS & PROBES

- SINGLE SHUT-OFF
- 35 BAR WORKING PRESSURE

RECTUS 13 SERIES COUPLERS & PROBES

ITEMS	DESCRIPTION	THREAD SIZE
130605	13KAIW13MPX	1/4 FEMALE COUPLER
130620	13SFAK13SXN	1/4 MALE PROBE



RECTUS 14 SERIES COUPLERS & PROBES

ITEMS	DESCRIPTION	SIZE
14-A2B	22SFAK13SXN	1/4 MALE PROBE
14-A3B	22SFIW13SXN	1/4 FEMALE PROBE
14-A8C	22SFTF06SXN	1/4 HOSE TAIL PROBE
14-A8D	22SFTF08SXN	5/16 HOSE TAIL PROBE
14-A8E	22SFTF10SXN	3/8 HOSE TAIL PROBE
14-B53	14KAIW13MPX	1/4 FEMALE COUPLER

RECTUS 21 SERIES COUPLERS & PROBES

ITEMS	DESCRIPTION	THREAD SIZE
130070	21 KAAW10MPX	1/8 MALE COUPLER
130072	21 KAIW 10MPX	1/8 FEMALE COUPLER
130078	21 SFAW10MXX	1/8 MALE PROBE
130080	21 SFIW 10MXX	1/8 FEMALE PROBE

RECTUS 26 SERIES COUPLERS & PROBES

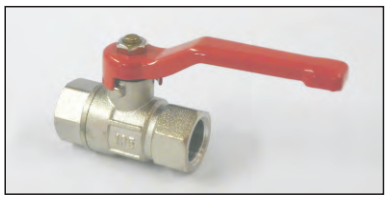
ITEMS	DESCRIPTION	SIZE
3201-A	26SFTF04MXX	04 HOSE TAIL PROBE
3201-B	26SFTF06MXX	06 HOSE TAIL PROBE
3201-C	26SFTF08MXX	08 HOSE TAIL PROBE
3201-D	26SFTF10MXX	10 HOSE TAIL PROBE
3201-F	26SFTF13MXX	13 HOSE TAIL PROBE
3203-B	26SFIW13MXX	1/4 FEMALE PROBE
3203-D	26SFIW17MXX	3/8 FEMALE PROBE
3203-F	26SFIW21MXX	1/2 FEMALE PROBE
3204-A	26SFAW10MXX	1/8 MALE PROBE
3204-B	26SFAW13MXX	1/4 MALE PROBE
3204-D	26SFAW17MXX	3/8 MALE PROBE
3204-F	26SFAW21MXX	1/2 MALE PROBE
320B2-B	26KATF06MPX	06 HOSE TAIL COUPLER
320B2-C	26KATF08MPX	08 HOSE TAIL COUPLER
320B2-D	26KATF10MPX	10 HOSE TAIL COUPLER
320B2-F	26KATF13MPX	13 HOSE TAIL COUPLER
320B3-B	26KAIW13MPX	1/4 FEMALE COUPLER
320B3-D	26KAIW17MPX	3/8 FEMALE COUPLER
320B3-F	26KAIW21MPX	1/2 FEMALE COUPLER
320B4-A	26KAAW10MPX	1/8 MALE COUPLER
320B4-B	26KAAW13MPX	1/4 MALE COUPLER
320B4-D	26KAAW17MPX	3/8 MALE COUPLER
320B4-F	26KAAW21MPX	1/2 MALE COUPLER

B23

ITEMS	DESCRIPTION	THREAD SIZE
130705	B23 COUPLER	1/4 FEMALE COUPLER
130720	H2C PROBE	1/4 MALE PROBE

LOW PRESSURE BALL VALVES

ITEMS	DESCRIPTION	THREAD SIZE
130814	1/4 LPBV	1/4 BSP
130838	3/8 LPBV	3/8 BSP
130812	1/2 LPBV	1/2 BSP



METRIC NYLON TUBE-30M COILS

ITEMS	DESCRIPTION	OD	ID	WALL	WORKING PRESSURE	BURST PRESSURE
40-04-00	04MM WHITE	04	02	1.0	45 BAR	133 BAR
40-04-01	04MM BLACK	04	02	1.0	45 BAR	133 BAR
40-04-02	04MM GREEN	04	02	1.0	45 BAR	133 BAR
40-04-03	04MM RED	04	02	1.0	45 BAR	133 BAR
40-04-04	04MM BLUE	04	02	1.0	45 BAR	133 BAR
40-04-05	04MM YELLOW	04	02	1.0	45 BAR	133 BAR
40-06-00	06MM WHITE	06	04	1.0	27 BAR	80 BAR
40-06-01	06MM BLACK	06	04	1.0	27 BAR	80 BAR
40-06-02	06MM GREEN	06	04	1.0	27 BAR	80 BAR
40-06-03	06MM RED	06	04	1.0	27 BAR	80 BAR
40-06-04	06MM BLUE	06	04	1.0	27 BAR	80 BAR
40-06-05	06MM YELLOW	06	04	1.0	27 BAR	80 BAR
40-08-00	08MM WHITE	08	06	1.0	19 BAR	57 BAR
40-08-01	08MM BLACK	08	06	1.0	19 BAR	57 BAR
40-08-02	08MM GREEN	08	06	1.0	19 BAR	57 BAR
40-08-03	08MM RED	08	06	1.0	19 BAR	57 BAR
40-08-04	08MM BLUE	08	06	1.0	19 BAR	57 BAR
40-08-05	08MM YELLOW	08	06	1.0	19 BAR	57 BAR
40-09-01	09MM BLACK	09	06	1.5	27 BAR	80 BAR
40-10-00	10MM WHITE	10	08	1.0	15 BAR	44 BAR
40-10-01	10MM BLACK	10	08	1.0	15 BAR	44 BAR
40-10-02	10MM GREEN	10	08	1.0	15 BAR	44 BAR
40-10-03	10MM RED	10	08	1.0	15 BAR	44 BAR
40-10-04	10MM BLUE	10	08	1.0	15 BAR	44 BAR
40-10-05	10MM YELLOW	10	08	1.0	15 BAR	44 BAR
40-11-01	11MM BLACK	11	08	1.5	21 BAR	63 BAR
40-12-00	12MM WHITE	12	09	1.5	19 BAR	57 BAR
40-12-01	12MM BLACK	12	09	1.5	19 BAR	57 BAR
40-12-02	12MM GREEN	12	09	1.5	19 BAR	57 BAR
40-12-03	12MM RED	12	09	1.5	19 BAR	57 BAR
40-12-04	12MM BLUE	12	09	1.5	19 BAR	57 BAR
40-12-05	12MM YELLOW	12	09	1.5	19 BAR	57 BAR
40-14-01	14MM BLACK	14	11	1.5	19 BAR	57 BAR
40-14-03	14MM RED	14	11	1.5	19 BAR	57 BAR
40-15-01	15MM BLACK	15	12	1.5	15 BAR	44 BAR
40-16-01	16MM BLACK	16	12	2.0	15 BAR	44 BAR

MAX TEMP 70º C

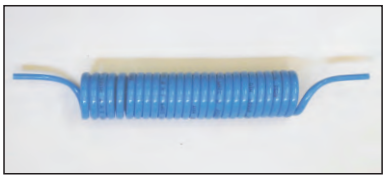
IMPERIAL NYLON TUBE-30M COILS

ITEMS	DESCRIPTION	OD	ID	WALL	WORKING PRESSURE	BURST PRESSURE
41-02-00	1/8 WHITE	1/8	2.18	0.5	25 BAR	75 BAR
41-02-01	1/8 BLACK	1/8	2.18	0.5	25 BAR	75 BAR
41-03-00	3/16 WHITE	3/16	3.76	0.5	16 BAR	47 BAR
41-03-01	3/16 BLACK	3/16	3.76	0.5	16 BAR	47 BAR
41-04-00	1/4 WHITE	1/4	4.35	1.0	25 BAR	75 BAR
41-04-01	1/4 BLACK	1/4	4.35	1.0	25 BAR	75 BAR
41-06-00	3/8 WHITE	3/8	6.73	1.4	16 BAR	47 BAR
41-06-01	3/8 BLACK	3/8	6.73	1.4	16 BAR	47 BAR
41-08-00	1/2 WHITE	1/2	9.70	1.5	17 BAR	50 BAR
41-08-01	1/2 BLACK	1/2	9.70	1.5	17 BAR	50 BAR
41-12-00	3/4 WHITE	3/4	15.1	2.0	44.5 BAR	63 BAR
41-12-01	3/4 BLACK	3/4	15.1	2.0	44.5 BAR	63 BAR

MAX TEMP 70º C

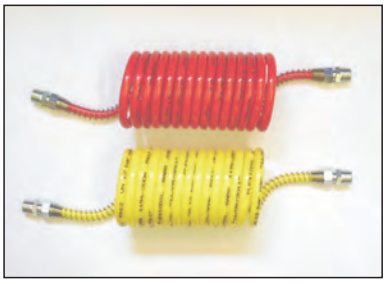
BLUE AIR COILS NO FITTINGS

ITEMS	DESCRIPTION	OD MM	ID MM	WORKING LENGTH	WORKING PRESSURE	BURST PRESSURE
40-AC-25	BLUE AIR COIL	08	06	2.5M	19 BAR	57 BAR
40-AC-50	BLUE AIR COIL	08	06	5.0M	19 BAR	57 BAR
40-AC-75	BLUE AIR COIL	08	06	7.5M	19 BAR	57 BAR



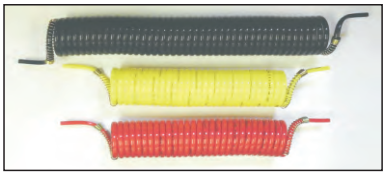
SUZI COILS

ITEMS	DESCRIPTION	OD MM	THREAD SIZE	WORKING LENGTH	WORKING PRESSURE	BURST PRESSURE
40-SC-03	RED SUZI COIL 1/2	12	1/2 BSPT	2.5M	19 BAR	57 BAR
40-SC-05	YEL SUZI COIL 1/2	12	1/2 BSPT	2.5M	19 BAR	57 BAR
40-S16-03	RED SUZI COIL M16	12	M16	2.5M	19 BAR	57 BAR
40-S16-05	YEL SUZI COIL M16	12	M16	2.5M	19 BAR	57 BAR
40-SC-03-5M	RED SUZI COIL 1/2	12	1/2 BSPT	5.0M	19 BAR	57 BAR
40-SC-05-5M	YEL SUZI COIL 1/2	12	1/2 BSPT	5.0M	19 BAR	57 BAR



SUZI COILS NO FITTINGS

ITEMS	DESCRIPTION	OD MM	ID	WORKING LENGTH	WORKING PRESSURE	BURST PRESSURE
40-S12-01	BLACK SUZI COIL	12	09	7.5M	19 BAR	57 BAR
40-S12-03	RED SUZI COIL	12	09	5.0M	19 BAR	57 BAR
40-S12-05	YEL SUZI COIL	12	09	5.0M	19 BAR	57 BAR

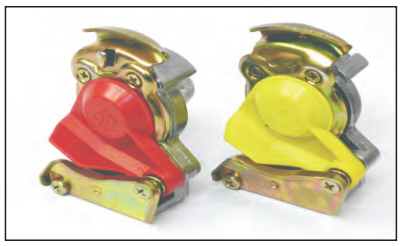


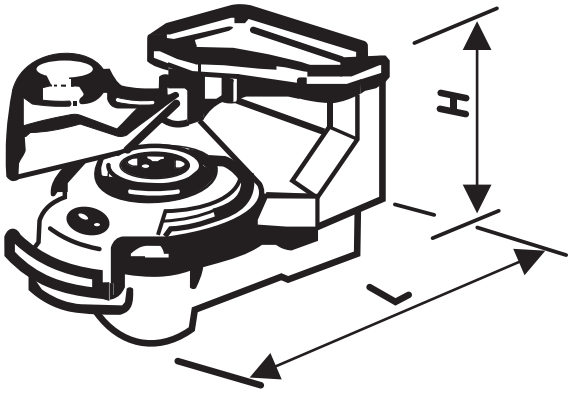
F & J COUPLERS

ITEMS	DESCRIPTION	THREAD SIZE	LENGTH MM
40-BA06	F & J FEMALE COUPLER	1/2 BSP	64.0
40-BA07	SHORT STEM CHECK VALVE	1/2 BSP	69.5
40-BA08	LONG STEM CHECK VALVE	1/2 BSP	117.5
40-BD01	F & J MALE COUPLER	1/2 BSP	71.5
40-BD08	STRIKER PLUG	1/2 BSP	49.0
40-DC01	FEMALE DUST COVER	1/2 BSP	114.5
40-DC02	MALE DUST COVER		66.0

PALM COUPLERS

ITEMS	DESCRIPTION	THREAD SIZE	L	H
676911	YELLOW WITHOUT VALVE	16X1.5	95	56
676913	RED WITHOUT VALVE	16X1.5	95	56
676921	YELLOW WITH VALVE	16X1.5	95	62
676922	RED WITH VALVE	16X1.5	95	62





THREAD SIZES AND WORKING PRESSURE ON STEEL COMPRESSION FITTINGS

EXTRA LIGHT SERIES-LL

TUBE OD	THREAD SIZE ON NUT	WORKING PRESSURE
04LL	M08X1.0	100 BAR
06LL	M10X1.0	100 BAR
08LL	M12X1.0	100 BAR
10LL	M14X1.5	100 BAR
12LL	M16X1.5	100 BAR
16LL	M22X1.5	100 BAR
18LL	M24X1.5	100 BAR
22LL	M28X1.5	100 BAR

LIGHT SERIES-L

TUBE OD	THREAD SIZE ON NUT	WORKING PRESSURE
06L	M12X1.5	500 BAR
08L	M14X1.5	500 BAR
10L	M16X1.5	500 BAR
12L	M18X1.5	400 BAR
15L	M22X1.5	400 BAR
18L	M26X1.5	400 BAR
22L	M30X2.0	250 BAR
28L	M36X2.0	250 BAR
35L	M45X2.0	250 BAR
42L	M52X2.0	250 BAR

HEAVY SERIES-S

TUBE OD	THREAD SIZE ON NUT	WORKING PRESSURE
06S	M14X1.5	800 BAR
08S	M16X1.5	800 BAR
10S	M18X1.5	800 BAR
12S	M20X1.5	630 BAR
14S	M22X1.5	630 BAR
16S	M24X1.5	630 BAR
20S	M30X2.0	400 BAR
25S	M36X2.0	400 BAR
30S	M42X2.0	400 BAR
38S	M52X2.0	400 BAR

D CUT RINGS

ITEMS	DESCRIPTION	PIPE OD
500004	D04LL	M04
500006	D06LL	M06
600006	D06L	M06
500008	D08LL	M08
600008	D08L	M08
600010	D10L	M10
600012	D12L	M12
600014	D14S	M14
600015	D15L	M15
500016	D16LL	M16
600016	D16S	M16
600018	D18L	M18
600020	D20S	M20
600022	D22L	M22
600025	D25S	M25
600028	D28L	M28
600030	D30S	M30
600035	D35L	M35
600038	D38S	M38
600042	D42L	M42

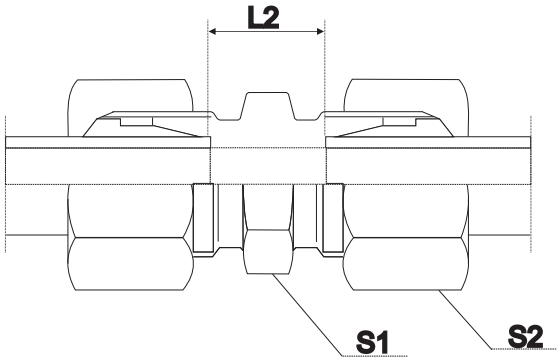
M NUTS

ITEMS	DESCRIPTION	PIPE OD
500104	M04LL	M04
500106	M06LL	M06
600106	M06L	M06
600107	M06S	M06
500108	M08LL	M08
600108	M08L	M08
600109	M08S	M08
600110	M10L	M10
600111	M10S	M10
600112	M12L	M12
600113	M12S	M12
600114	M14S	M14
600115	M15L	M15
500116	M16LL	M16
600116	M16S	M16
600118	M18L	M18
600120	M20S	M20
600122	M22L	M22
600125	M25S	M25
600128	M28L	M28
600130	M30S	M30
600135	M35L	M35
600138	M38S	M38
600142	M42L	M42

*** PLEASE NOTE** - DIMENSIONS ON STEEL COMPRESSION FITTINGS MAY DIFFER FROM DIAGRAM DUE TO DIFFERENT SOURCE OF SUPPLY

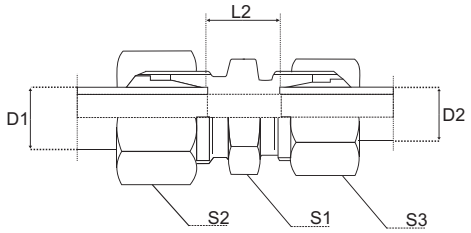
G UNIONS

ITEMS	DESCRIPTION	PIPE OD	L2	S1	S2
500204	G04LL	M04	9	12	10
500206	G06LL	M06	9	12	12
600206	G06L	M06	10	12	14
600206S	G06S	M06	13	14	17
500208	G08LL	M08	12	12	14
600208	G08L	M08	11	14	17
600208S	G08S	M08	15	17	19
600209	G09L	M09	11	14	17
600210	G10L	M10	12	17	19
600210S	G10S	M10	15	19	22
600211	G11L	M11	11	17	19
600212	G12L	M12	13	19	22
600212S	G12S	M12	17	22	24
600214	G14S	M14	17	24	27
600215	G15L	M15	13	24	27
500216	G16LL	M16	13	27	27
600216	G16S	M16	17	27	30
600218	G18L	M18	15	27	32
600220	G20S	M20	22	32	36
600222	G22L	M22	18	32	36
600225	G25S	M25	24	41	41
600228	G28L	M28	18	41	41
600230	G30S	M30	23	46	50
600235	G35L	M35	20	46	50
600238	G38S	M38	26	55	60
600242	G42L	M42	21	55	60



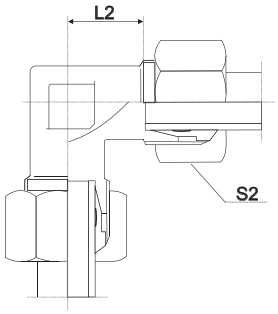
GR UNIONS

ITEMS	DESCRIPTION	D1	D2	L2	S1	S2	S3
601806	GR08/06L	M08	M06	11	14	17	14
601006	GR10/06L	M10	M06	12	17	19	14
601008	GR10/08L	M10	M08	12	17	19	17
601206	GR12/06L	M12	M06	13	19	22	14
601208	GR12/08L	M12	M08	13	19	22	17
601210	GR12/10L	M12	M10	14	19	22	19
601512	GR15/12L	M15	M12	15	24	27	22
601815	GR18/15L	M18	M15	16.5	27	32	27



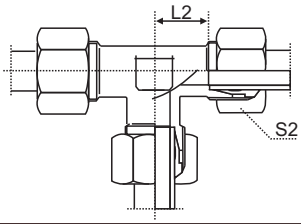
W ELBOW UNIONS

ITEMS	DESCRIPTION	PIPE OD	L2	S2
500304	W04LL	M04	11	10
500306	W06LL	M06	9.5	12
600306	W06L	M06	10	14
500308	W08LL	M08	11.5	14
600308	W08L	M08	14	17
600310	W10L	M10	15	19
600312	W12L	M12	17	22
600313	W12S	M12	17	24
600315	W15L	M15	18	27
600316	W16S	M16	22	30
600318	W18L	M18	22	32
600320	W20S	M20	25	36
600322	W22L	M22	26	36
600325	W25S	M25	27	46
600328	W28L	M28	24	41
600330	W30S	M30	35.5	50
600335	W35L	M35	34.5	50
600338	W38S	M38	41.0	60



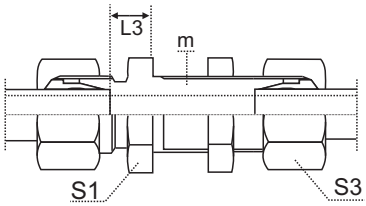
T EQUAL UNIONS

ITEMS	DESCRIPTION	PIPE OD	L2	S2
500404	T04LL	M04	8	10
500406	T06LL	M06	9	12
600406	T06L	M06	12	14
500408	T08LL	M08	11.5	14
600408	T08L	M08	14	17
600410	T10L	M10	14	19
600411	T10S	M10	16	22
600412	T12L	M12	17	22
600413	T12S	M12	21	24
600415	T15L	M15	20	27
600416	T16S	M16	22	30
600418	T18L	M18	22	32
600420	T20S	M20	25	36
600422	T22L	M22	24	36
600425	T25S	M25	26	46
600428	T28L	M28	26	41
600430	T30S	M30	35.5	50
600435	T35L	M35	34.5	50
600438	T38S	M38	41.0	60



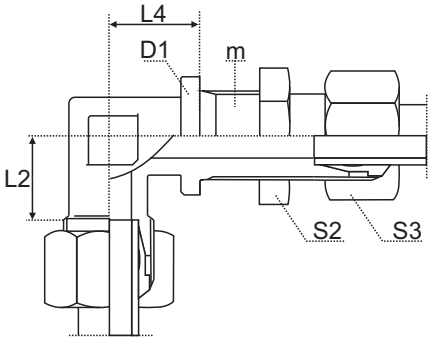
SV BULKHEADS

ITEMS	DESCRIPTION	PIPE OD	L3	S1	S3	M
600506	SV06L	M06	7.0	17	14	12X1.5
600508	SV08L	M08	8.0	19	17	14X1.5
600510	SV10L	M10	10.0	22	19	16X1.5
600511	SV10S	M10	14.5	24	22	18X1.5
600512	SV12L	M12	10.0	24	22	18X1.5
600513	SV12S	M12	14.5	27	24	20X1.5
600515	SV15L	M15	11.0	27	27	22X1.5
600516	SV16S	M16	16.0	32	30	24X1.5
600518	SV18L	M18	13.5	32	32	26X1.5
600522	SV22L	M22	16.0	36	36	30X2.0
600525	SV25S	M25	20.0	46	46	36X2.0



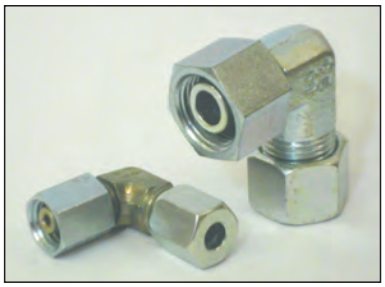
WSV BULKHEAD ELBOWS

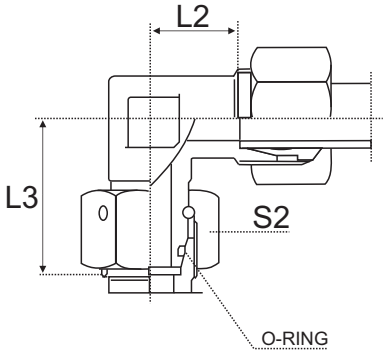
ITEMS	DESCRIPTION	PIPE OD	L2	L4	D1	S2	S3	M
600606	WSV06L	M06	12.0	14	17.5	17	14	12X1.5
600608	WSV08L	M08	14.0	17	19.0	19	17	14X1.5
600610	WSV10L	M10	15.0	18	22.5	22	19	16X1.5
600612	WSV12L	M12	17.0	20	24.0	24	22	18X1.5
600613	WSV12S	M12	20.0	21	27.5	27	24	20X1.5
600615	WSV15L	M15	20.0	23	27.0	30	27	22X1.5
600618	WSV18L	M18	23.5	24	32.5	36	32	26X1.5
600622	WSV22L	M22	27.5	30	36.0	41	36	30X2.0



EVW SWIVEL ELBOWS

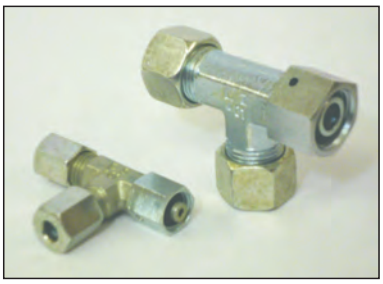
ITEMS	DESCRIPTION	PIPE OD	L2	L3	S2
600706	EVW06L	M06	12.0	26.0	14
600708	EVW08L	M08	14.0	26.0	17
600710	EVW10L	M10	15.0	29.0	19
600711	EVW10S	M10	17.5	30.0	22
600712	EVW12L	M12	17.0	29.5	22
600713	EVW12S	M12	18.0	31.0	24
600715	EVW15L	M15	19.0	32.5	27
600716	EVW16S	M16	22.0	34.0	30
600718	EVW18L	M18	23.5	34.0	32
600720	EVW20S	M20	26.5	43.0	36
600722	EVW22L	M22	25.5	37.0	36
600725	EVW25S	M25	28.0	48.0	46
600728	EVW28L	M28	26.0	40.0	41
600735	EVW35L	M35	34.0	50.0	50

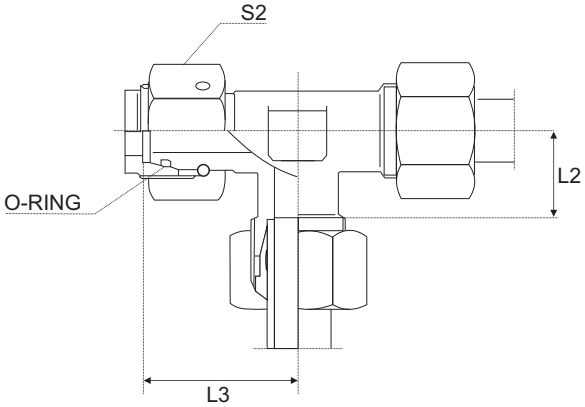




EVL SWIVEL ON RUN

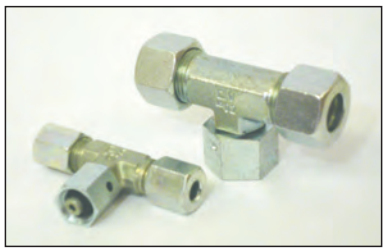
ITEMS	DESCRIPTION	PIPE OD	L2	L3	S2
600806	EVL06L	M06	12.0	26.0	14
600808	EVL08L	M08	14.0	26.0	17
600810	EVL10L	M10	15.0	29.0	19
600812	EVL12L	M12	17.0	29.5	22
600815	EVL15L	M15	20.0	32.5	27
600816	EVL16S	M16	22.5	36.5	30
600818	EVL18L	M18	23.5	34.0	32
600822	EVL22L	M22	27.5	38.0	36

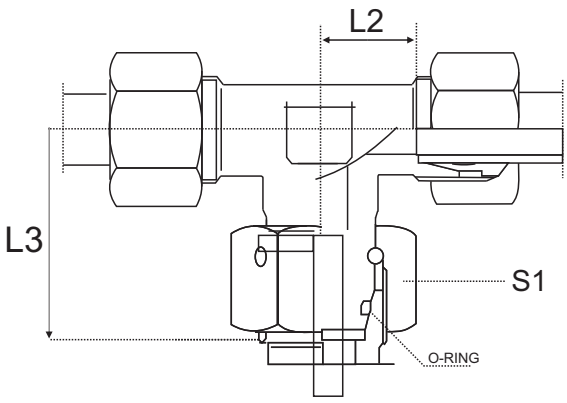




EVT SWIVEL ON BRANCH

ITEMS	DESCRIPTION	PIPE OD	L2	L3	S1
600906	EVT06L	M06	12.0	25.0	14
600908	EVT08L	M08	14.0	26.5	17
600910	EVT10L	M10	15.0	28.0	19
600912	EVT12L	M12	16.0	29.5	22
600915	EVT15L	M15	19.0	32.0	27
600916	EVT16S	M16	22.0	34.0	30
600918	EVT18L	M18	23.0	34.0	32
600922	EVT22L	M22	27.5	38.5	36





GE MALE STUDS METRIC

ITEMS	DESCRIPTION	PIPE OD	FIG.	L2	L3	S1	S2	R/M
510452	GE04LLM06X1.0	M04	1	6.50	8	10	10	08X1.0
510456	GE04LLM08X1.0	M04	1	6.50	8	10	10	08X1.0
510460	GE04LLM10X1.0	M04	1	6.50	8	10	10	10X1.0
510652	GE06LLM06X1.0	M06	1	6.50	8	11	12	06X1.0
510656	GE06LLM08X1.0	M06	1	6.50	8	11	12	08X1.0
510660	GE06LLM10X1.0	M06	1	6.50	8	11	12	10X1.00
610660	GE06LM10X1.0	M06	2	8.50	8	14	14	10X1.0
610667	GE06LM12X1.5	M06	2	10.0	12	17	14	12X1.5
610671	GE06LM14X1.5	M06	2	10.0	12	19	14	14X1.5
610675	GE06LM16X1.5	M06	3	10.0	12	22	14	16X1.5
610682	GE06LM22X1.5	M06	3	10.0	12	27	14	22X1.5
510860	GE08LLM10X1.0	M08	1	8.50	8	12	14	10X1.0
610867	GE08LM12X1.5	M08	2	10.0	12	17	17	12X1.5
610871	GE08LM14X1.5	M08	2	10.0	12	19	17	14X1.5
610875	GE08LM16X1.5	M08	3	10.0	12	22	17	16X1.5
610882	GE08LM22X1.5	M08	3	10.0	12	27	17	22X1.5
611067	GE10LM12X1.5	M10	2	10.0	12	17	19	12X1.5
611071	GE10LM14X1.5	M10	2	11.0	12	19	19	14X1.5
611072	GE10LMED	M10	4	11.0	12	19	19	14X1.5
611075	GE10LM16X1.5	M10	3	10.0	12	22	19	16X1.5
611082	GE10LM22X1.5	M10	3	10.0	12	27	19	22X1.5
611267	GE12LM12X1.5	M12	2	11.0	12	19	22	12X1.5
611271	GE12LM14X1.5	M12	2	12.5	12	19	22	14X1.5
611275	GE12LM16X1.5	M12	2	12.5	12	22	22	16X1.5
611276	GE12LMED	M12	4	12.5	12	22	22	16X1.5
611278	GE12LM18X1.5	M12	2	12.5	12	24	22	18X1.5
611282	GE12LM22X1.5	M12	3	10.0	12	27	22	22X1.5
611571	GE15LM14X1.5	M15	2	13.0	12	24	27	14X1.5
611575	GE15LM16X1.5	M15	2	13.0	12	24	27	16X1.5
611578	GE15LM18X1.5	M15	2	13.5	12	24	27	18X1.5
611582	GE15LM22X1.5	M15	3	10.0	12	27	27	22X1.5
611589	GE15LM26X1.5	M15	2	15.0	16	24	27	26X1.5
611683	GE16SMED	M16	4	18.5	14	27	30	22X1.5
611878	GE18LM18X1.5	M18	2	13.0	12	27	32	18X1.5
611882	GE18LM22X1.5	M18	2	14.5	14	27	32	22X1.5
611883	GE18LMED	M18	4	14.5	14	'27	32	22X1.5
612282	GE22LM22X1.5	M22	2	16.5	14	32	36	22X1.5
612289	GE22LM26X1.5	M22	2	16.5	16	32	36	26X1.5

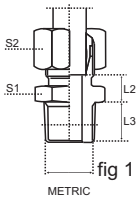


fig 1
METRIC TAPER

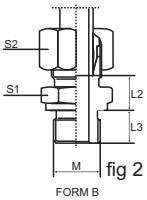


fig 2
FORM B

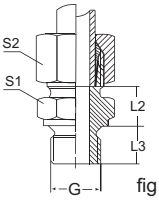


fig 3
FORM A

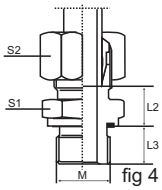
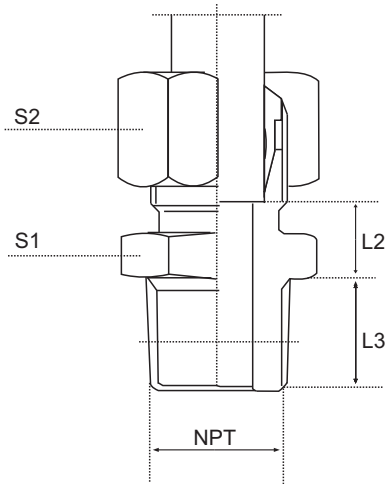


fig 4
ED

GE MALE STUDS NPT

ITEMS	DESCRIPTION	PIPE OD	L2	L3	S1	S2	NPT
510418	GE04LL1/8NPT	M04	6.5	10.0	11	10	1/8
510618	GE06LL1/8NPT	M06	6.5	10.0	11	12	1/8
610618	GE06L1/8NPT	M06	7.0	10.0	12	14	1/8
610614	GE06L1/4NPT	M06	8.0	15.0	14	14	1/4
510818	GE08LL1/8NPT	M08	8.5	10.0	12	14	1/8
610818	GE08L1/8 NPT	M08	8.0	10.0	17	17	1/8
610814	GE08L1/4NPT	M08	8.0	15.0	17	17	1/4
610838	GE08L3/8NPT	M08	9.0	15.0	19	17	3/8
611014	GE10L1/4NPT	M10	9.0	15.0	17	19	1/4
611038	GE10L3/8NPT	M10	10.0	15.0	19	19	3/8
611039	GE10S3/8NPT	M10	12.5	15.0	19	22	3/8
611012	GE10L1/2NPT	M10	10.5	19.5	22	19	1/2
611214	GE12L1/4NPT	M12	10.0	15.0	19	22	1/4
611238	GE12L3/8NPT	M12	10.0	15.0	19	22	3/8
611239	GE12S3/8NPT	M12	14.5	15.0	22	24	3/8
611212	GE12L1/2NPT	M12	10.5	19.5	22	22	1/2
611213	GE12S1/2NPT	M12	15.0	19.5	22	24	1/2
611412	GE14S1/2NPT	M14	16.5	19.5	24	27	1/2
611538	GE15L3/8NPT	M15	11.0	15.0	24	27	3/8
611512	GE15L1/2NPT	M15	11.5	19.5	24	27	1/2
611612	GE16S1/2NPT	M16	15.0	19.5	27	30	1/2
611812	GE18L1/2NPT	M18	11.5	19.5	27	32	1/2
612034	GE20S3/4NPT	M20	17.0	20.0	32	36	3/4
612234	GE22L3/4NPT	M22	13.5	20.0	32	36	3/4
612510	GE25S1"NPT	M25	20.0	25.0	41	46	1"
612810	GE28L1"NPT	M28	14.5	25.0	41	41	1"



GE MALE STUDS BSP

ITEMS	DESCRIPTION	PIPE OD	FIG.	L2	L3	S1	S2	G
640610	GE06LR1/8	M06	1	9.0	9	14	14	1/8
640613	GE06LR1/4	M06	1	10.0	12	19	14	1/4
640810	GE08LR1/8	M08	1	9.5	8	14	17	1/8
640813	GE08LR1/4	M08	1	10.0	12	19	17	1/4
640817	GE08LR3/8	M08	1	11.5	12	22	17	3/8
641013	GE10LR1/4	M10	1	11.0	12	19	19	1/4
641017	GE10LR3/8	M10	1	12.5	12	22	19	3/8
641021	GE10LR1/2	M10	1	13.0	14	27	19	1/2
641213	GE12LR1/4	M12	1	11.0	12	19	22	1/4
641217	GE12LR3/8	M12	1	12.5	12	22	22	3/8
641221	GE12LR1/2	M12	1	13.0	14	27	22	1/2
641222	GE12LRED	M12	2	13.0	14	27	22	1/2
641421	GE14SR1/2	M14	1	17.0	14	27	27	1/2
641517	GE15LR3/8	M15	1	12.0	12	24	27	3/8
641521	GE15LR1/2	M15	1	13.0	14	27	27	1/2
641522	GE15LRED	M15	2	13.0	14	27	27	1/2
641527	GE15LR3/4	M15	1	15.0	16	32	27	3/4
641621	GE16SR1/2	M16	1	16.5	14	27	30	1/2
641821	GE18LR1/2	M18	1	14.0	14	27	32	1/2
641822	GE18LRED	M18	2	14.0	14	27	32	1/2
641827	GE18LR3/4	M18	1	14.5	16	32	32	3/4
642021	GE20SR1/2	M20	1	20.5	14	32	36	1/2
642027	GE20SR3/4	M20	1	20.5	16	32	36	3/4
642227	GE22LR3/4	M22	1	15.0	15	32	36	3/4
642233	GE22LR1"	M22	1	17.5	18	41	36	1"
642533	GE25SR1"	M25	1	23.0	18	41	46	1"
642833	GE28LR1"	M28	1	16.0	18	41	41	1"

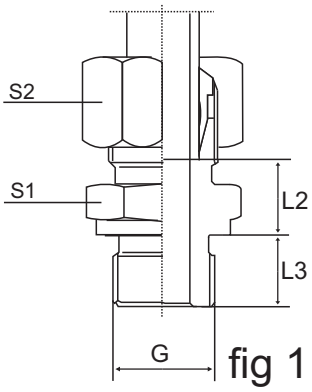


fig 1

FORM B

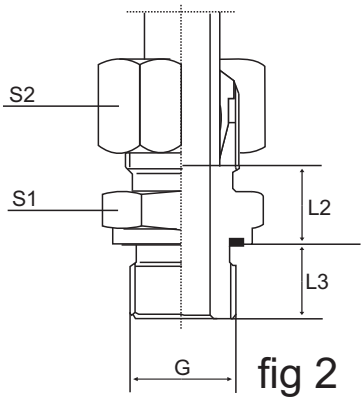


fig 2

ED

WE MALE STUDS ELBOWS METRIC

ITEMS	DESCRIPTION	PIPE OD	FIG	L2	L3	L4	S2			M
520456	WE04LLM08X1.0	M04	1	9.0	17	9	10			08X1.0
520656	WE06LLM08X1.0	M06	1	9.5	17	9	12			08X1.0
520660	WE06LLM10X1.0	M06	1	9.5	17	9	12			10X1.0
520860	WE08LLM10X1.0	M08	1	11.5	17	10	14			10X1.0
		PIPE OD	FIG	L2	L3	L4	S2	S3	D1	M
620867	WE08LM12X1.5	M08	2	13	20	17	17	17	17	12X1.5
620882	WE08LM22X1.5	M08	2	18	25	21	27	17	27	22X1.5
621275	WE12LM16X1.5	M12	2	15	25	20	22	22	22	16X1.5
621282	WE12LM22X1.5	M12	2	15	25	20	27	22	27	22X1.5
621582	WE15LM22X1.5	M15	2	24	25	20	27	27	27	22X1.5

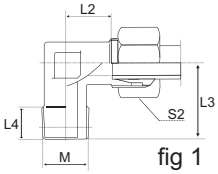


fig 1

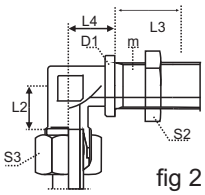
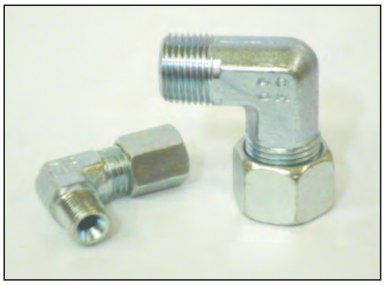
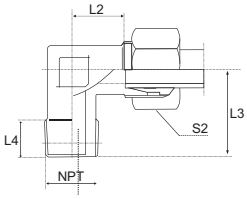


fig 2

WE MALE STUDS ELBOWS NPT

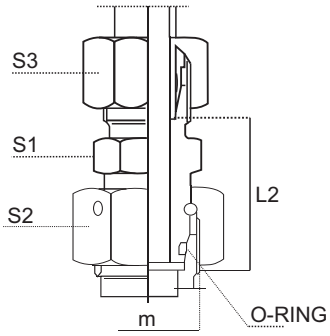
ITEMS	DESCRIPTION	PIPE OD	L2	L3	L4	S2	NPT
520418	WE04LL1/8NPT	M04	8.0	17.5	8.0	10	1/8
520618	WE06LL1/8NPT	M06	8.0	17.0	12.0	12	1/8
620618	WE06L1/8NPT	M06	10.0	20.0	11.5	14	1/8
620614	WE06L1/4NPT	M06	13.0	26.0	15.0	14	1/4
520818	WE08LL1/8NPT	M08	11.5	20.0	11.0	14	1/8
620818	WE08L1/8 NPT	M08	14.0	24.0	10.0	17	1/8
620814	WE08L1/4NPT	M08	14.0	26.0	15.0	17	1/4
620838	WE08L3/8NPT	M08	16.0	28.0	15.0	17	3/8
621014	WE10L1/4NPT	M10	15.0	26.0	14.0	19	1/4
621038	WE10L3/8NPT	M10	17.0	28.0	15.0	19	3/8
621012	WE10L1/2NPT	M10	20.0	34.0	19.5	19	1/2
621214	WE12L1/4NPT	M12	16.0	27.0	16.0	22	1/4
621238	WE12L3/8NPT	M12	16.0	28.0	15.0	22	3/8
621239	WE12S3/8NPT	M12	20.0	31.0	15.0	24	3/8
621212	WE12L1/2NPT	M12	17.0	34.0	20.0	22	1/2
621538	WE15L3/8NPT	M15	21.0	33.0	15.0	27	3/8
621512	WE15L1/2NPT	M15	19.0	34.0	20.0	27	1/2
621612	WE16S1/2NPT	M16	22.0	36.0	20.0	30	1/2
621812	WE18L1/2NPT	M18	22.0	36.0	20.0	32	1/2
622234	WE22L3/4NPT	M22	27.5	42.0	22.0	36	3/4





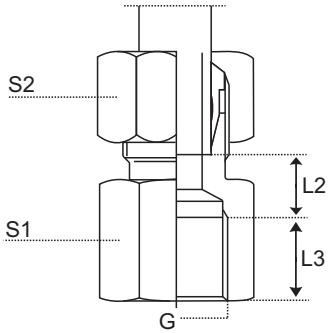
KOR TUBE END REDUCERS

ITEMS	DESCRIPTION	PIPE OD	SWIVEL SIDE	L2	S1	S2	S3	M
630806	KOR08/06L	M06	M08L	24.0	12	17	14	14X1.5
631006	KOR10/06L	M06	M10L	25.0	14	19	14	16X1.5
631008	KOR10/08L	M08	M10L	25.0	14	19	17	16X1.5
631206	KOR12/06L	M06	M12L	25.0	17	22	14	18X1.5
631208	KOR12/08L	M08	M12L	25.0	17	22	17	18X1.5
631210	KOR12/10L	M10	M12L	26.0	17	22	19	18X1.5
631506	KOR15/06L	M06	M15L	29.0	19	27	14	22X1.5
631508	KOR15/08L	M08	M15L	30.0	17	27	17	22X1.5
631510	KOR15/10L	M10	M15L	30.0	19	27	19	22X1.5
631512	KOR15/12L	M12	M15L	30.0	19	27	22	22X1.5
631810	KOR18/10L	M10	M18L	29.5	24	32	19	26X1.5
631812	KOR18/12L	M12	M18L	29.5	24	32	22	26X1.5
631815	KOR18/15L	M15	M18L	29.5	24	32	27	26X1.5
632212	KOR22/12L	M12	M22L	31.0	27	36	22	30X2.0
632215	KOR22/15L	M15	M22L	31.0	27	36	27	30X2.0
632218	KOR22/18L	M18	M22L	32.0	27	36	32	30X2.0



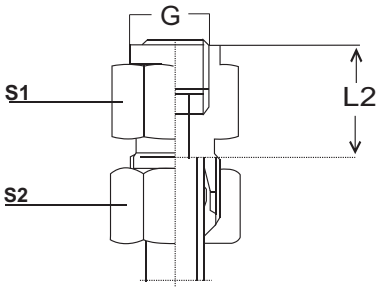
GAI FEMALE STUDS

ITEMS	DESCRIPTION	PIPE OD	L2	L3	S1	S2	G
650610	GAI06LR1/8	M06	9.0	10	14	14	1/8
650813	GAI08LR1/4	M08	10.0	14	19	17	1/4
651013	GAI10LR1/4	M10	11.0	14	19	19	1/4
651217	GAI12LR3/8	M12	12.0	14	24	22	3/8
651521	GAI15LR1/2	M15	14.0	17	27	27	1/2
651621	GAI16SR1/2	M16	14.5	17	30	30	1/2
651821	GAI18LR1/2	M18	13.5	17	27	32	1/2



MAV GAUGE CONNECTORS

ITEMS	DESCRIPTION	PIPE OD	L2	S1	S2	G
660613	MAV06LR	M06	23	19	14	1/4
660621	MAV06SR	M06	30	30	17	1/2
660813	MAV08LR	M08	23	19	17	1/4
660821	MAV08SR	M08	30	30	19	1/2
661013	MAV10LR	M10	23	19	19	1/4
661021	MAV10SR	M10	30	30	22	1/2
661213	MAV12LR	M12	23	19	22	1/4
661221	MAV12SR	M12	30	30	24	1/2
660013	MAV RING 1/4					
660021	MAV RING 1/2					



RI REDUCERS BSPP

ITEMS	DESCRIPTION	FIG	A	B	L1	L2	S1
671013	RI 1/8X1/4	1	1/8	1/4	8	23	19
671317	RI 1/4X3/8	1	1/4	3/8	12	24	24
671321	RI 1/4X1/2	1	1/4	1/2	12	28	30
671713	RI 3/8X1/4	1	3/8	1/4	12	24	22
671721	RI 3/8X1/2	1	3/8	1/2	12	29	30
672113	RI 1/2X1/4	2	1/2	1/4	14	10	27
672117	RI 1/2X3/8	1	1/2	3/8	14	22	27
672127	RI 1/2X3/4	1	1/2	3/4	16	26	32
672717	RI 3/4X3/8	2	3/4	3/8	16	10	32
672721	RI 3/4X1/2	1	3/4	1/2	16	26	32
673321	RI 1" X1/2	2	1"	1/2	18	11	41
673327	RI 1" X3/4	1	1"	3/4	18	29	41
674227	RI 1 1/4X3/4	2	1 1/4	3/4	20	12	50
674833	RI 1 1/2X1"	2	1 1/2	1"	22	14	55

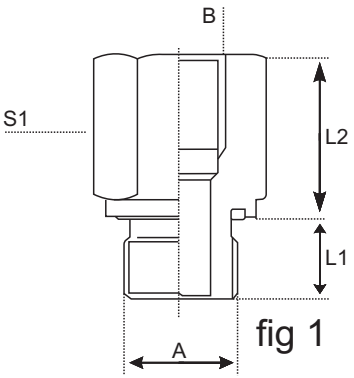


fig 1

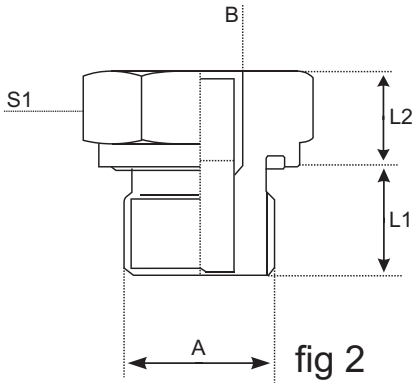
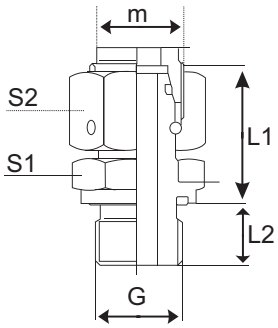


fig 2

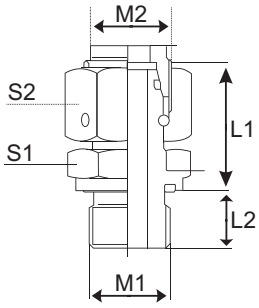
EVGE - LRED

ITEMS	DESCRIPTION	PIPE OD	L1	L2	S1	S2	G	M
680611	EVGE06LRED	M06	24.5	8	14	14	1/8	12X1.5
680814	EVGE08LRED	M08	29.5	12	19	17	1/4	14X1.5
681014	EVGE10LRED	M10	27.5	12	19	19	1/4	16X1.5
681218	EVGE12LRED	M12	34.0	12	22	22	3/8	18X1.5
681522	EVGE15LRED	M15	32.0	14	27	27	1/2	22X1.5
681622	EVGE16SRED	M16	35.0	14	27	30	1/2	24X1.5
681822	EVGE18LRED	M18	30.5	14	27	32	1/2	26X1.5
682227	EVGE22RLED	M22	32.0	16	32	36	3/4	30X2.0



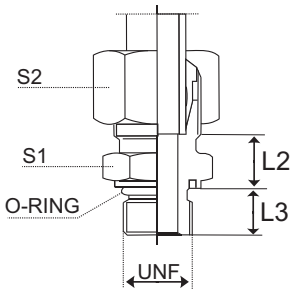
EVGE - LMED

ITEMS	DESCRIPTION	PIPE OD	L1	L2	S1	S2	M1	M2
680661	EVGE06LMED	M06	24.5	8	14	14	10X1.0	12X1.5
680868	EVGE08LMED	M08	26.5	12	17	17	12X1.5	14X1.5
681072	EVGE10LMED	M10	27.5	12	19	19	14X1.5	16X1.5
681276	EVGE12LMED	M12	30.5	12	22	22	16X1.5	18X1.5
681579	EVGE15LMED	M15	31.5	12	24	27	18X1.5	22X1.5
681883	EVGE18LMED	M18	31.5	14	27	32	22X1.5	26X1.5
682290	EVGE22LMED	M22	32.5	16	32	36	26X1.5	30X2.0



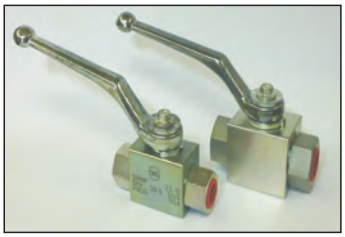
GE - UNF'S

ITEMS	DESCRIPTION	PIPE OD	L2	L3	S1	S2	UNF
691071	GE10L7/16-20UNF	M10	11	9	17	19	7/16-20
691578	GE15L7/8-14UNF	M15	13	12	27	27	7/8-14

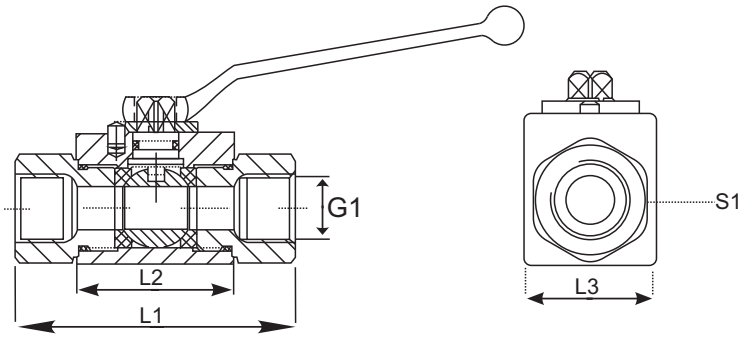


BKHR - BALLVALVES

ITEMS	DESCRIPTION	PRESSURE	L1	L2	L3	S1	G1
690013	BKHR-1/4	PN 500	69	40	26	22	1/4
690017	BKHR-3/8	PN 500	72	43	32	27	3/8
690021	BKHR-1/2	PN 500	83	48	35	30	1/2
690027	BKHR-3/4	PN 420	95	62	49	41	3/4
690033	BKHR-1"	PN 315	113	66	58	50	1"

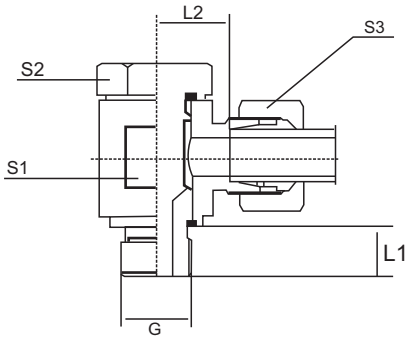


* HIGH PRESSURE - 2 WAY



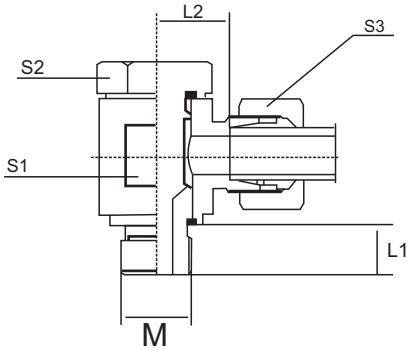
WHO - LRED

ITEMS	DESCRIPTION	PIPE OD	L1	L2	S1	S2	S3	G
69-0611	WHO06LRED	M06	8	12	17	17	14	1/8
69-0814	WHO08LRED	M08	12	14.5	22	19	17	1/4
69-1014	WHO10LRED	M10	12	15.5	22	19	19	1/4
69-1218	WHO12LRED	M12	12	18	27	24	22	3/8
69-1522	WHO15LRED	M15	14	22	32	30	27	1/2
69-1822	WHO18LRED	M18	14	21.5	32	30	32	1/2



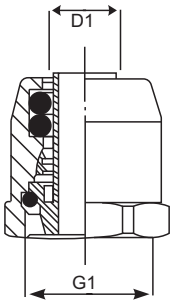
WHO - LMED

ITEMS	DESCRIPTION	PIPE OD	L1	L2	S1	S2	S3	M
69-0661	WHO06LMED	M06	8	12	17	17	14	10X1.0
69-0868	WHO08LMED	M08	12	14.5	22	19	17	12X1.5
69-1072	WHO10LMED	M10	12	15.5	22	19	19	14X1.5
69-1276	WHO12LMED	M12	12	18	27	24	22	16X1.5
69-1579	WHO15LMED	M15	12	22	32	27	27	18X1.5
69-1883	WHO18LMED	M18	14	21.5	32	30	32	22X1.5



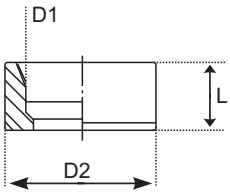
PUSH-IN STEEL V-NUTS

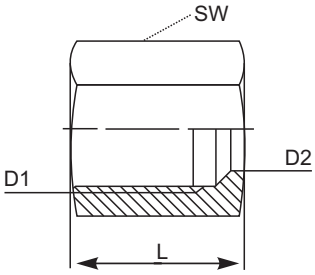
ITEMS	DESCRIPTION	D1 FOR TUBE OD	G1
640300	06X1.0-M12X1.5	06X1.0	12X1.5
640301	08X1.0-M14X1.5	08X1.0	14X1.5
640305	10X1.0-M16X1.5	10X1.0	16X1.5
640309	12X1.5-M18X1.5	12X1.5	18X1.5



STOSS NUTS & THRUST RINGS

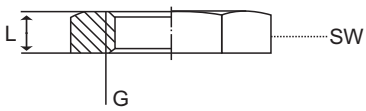
ITEMS	DESCRIPTION	L	D1	D2	SW
700003	15MM STOSS NUT	27	15	22X1.5	27
700005	18MM STOSS NUT	27	18	26X1.5	32
700053	15MM THRUST RING	9	15	20	
700055	18MM THRUST RING	9	18	24	





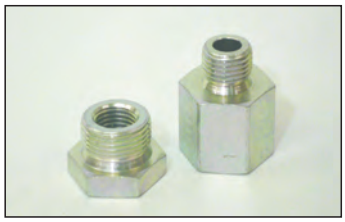
LOCKNUTS

ITEMS	DESCRIPTION	G	L	SW
700312	M12 LOCKNUT	12X1.5	6	17
700314	M14 LOCKNUT	14X1.5	6	19
700316	M16 LOCKNUT	16X1.5	6	22
700318	M18 LOCKNUT	18X1.5	6	24
700320	M20 LOCKNUT	20X1.5	6	27
700322	M22 LOCKNUT	22X1.5	8	27
700326	M26 LOCKNUT	26X1.5	8	32



REDUCERS

ITEMS	DESCRIPTION	FIG	G1	G2	L	i	SW
700512	M22/M12 REDUCER	1	22X1.5	12X1.5	19	12	27
700514	M22/M14 REDUCER	1	22X1.5	14X1.5	19	12	27
700518	M22/M16 REDUCER	1	22X1.5	16X1.5	19	12	27
700521	M22-1/2 REDUCER	2	22X1.5	1/2 BSP	35	12	27
700618	M16/M22 REDUCER	2	16X1.5	22X1.5	35	12	27



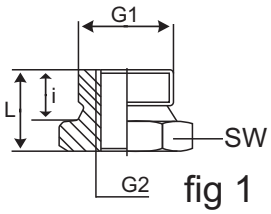


fig 1

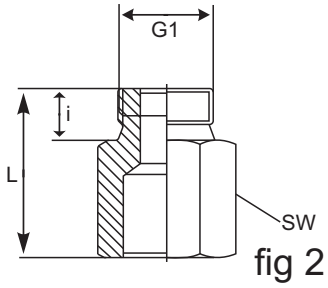
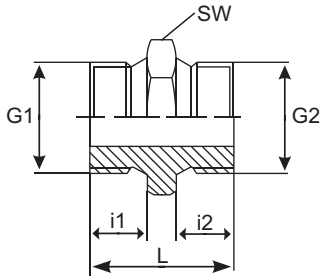


fig 2

FLAT FACE NIPPLES

ITEMS	DESCRIPTION	G1	G2	L	i1	i2	SW
701102	M22/M22 NIPPLE	22X1.5	22X1.5	30	12	12	27
701112	M26/M22 NIPPLE	26X1.5	22X1.5	30	12	12	32
701119	M26/M26 NIPPLE	26X1.5	26X1.5	30	12	12	32



BULKHEAD BODIES

ITEMS	DESCRIPTION	FIG	G1	G2	L	i1	i2	SW	D
701202	M22/M22 B.H BODY	1	22X1.5	22X1.5	54	12	34	27	
701203	1/2-M18 B.H BODY	2	1/2 BSP	18X1.5	54	12	34	27	12
701204	M22/M18 B.H BODY	2	22X1.5	18X1.5	54	12	34	27	12
701205	M16/M18 B.H BODY	2	16X1.5	18X1.5	54	12	34	22	12
701210	M16/M22 B.H BODY	1	16X1.5	22X1.5	54	12	34	27	

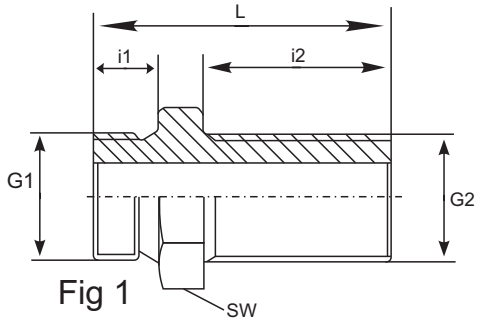


Fig 1

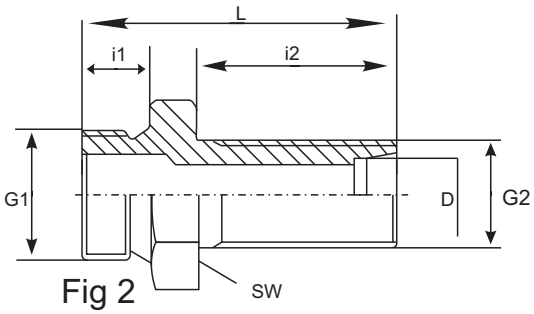
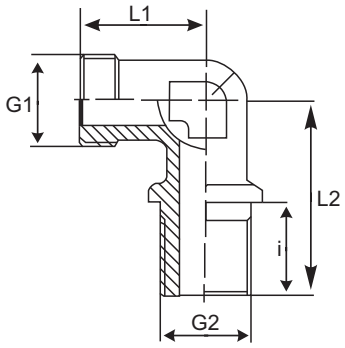


Fig 2

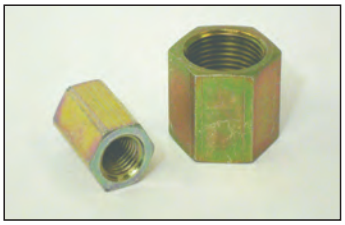
BULKHEAD BODY ELBOWS

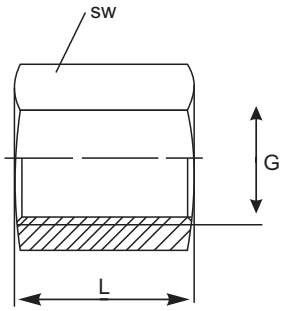
ITEMS	DESCRIPTION	G1	G2	L1	L2	i
702003	M22/M22 B.H ELBOW	22X1.5	22X1.5	33	45	25
702007	M22/M26 B.H ELBOW	22X1.5	26X1.5	36	47	25



SOCKETS

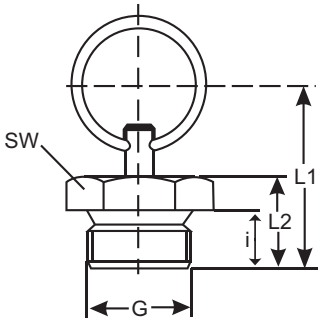
ITEMS	DESCRIPTION	G	L	SW
702212	M12 SOCKET	12X1.5	25	17
702214	M14 SOCKET	14X1.5	29	17
702216	M16 SOCKET	16X1.5	25	19
702218	M18 SOCKET	18X1.5	29	22
702222	M22 SOCKET	22X1.5	25	27





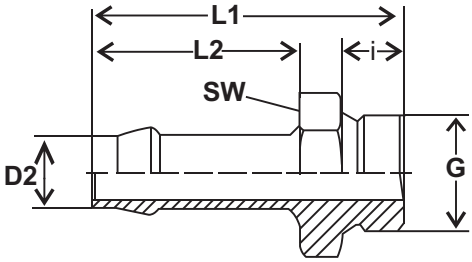
SPRING PLUGS

ITEMS	DESCRIPTION	G	L1	L2	i	SW
710916	1/2 BSP SPRING PLUG	1/2 BSP	38	18	12	27
710921	M22 SPRING PLUG	22X1.5	38	18	12	27



HOSETAILS

ITEMS	DESCRIPTION	G	D2	L1	L2	i	SW
711316	M16-1/2 HOSETAILS	16X1.5	14	57	41	12	22
711322	M22-1/2 HOSETAILS	22X1.5	14	60	41	12	27



TESTPOINTS

ITEMS	DESCRIPTION	FIG	G1	G2	L1	L2	SW
711600	M16 FEMALE	1	16X1.5	16X1.5	12	35	22
711800	M18 FEMALE	1	16X1.5	18X1.5	12	36	24
712200	M22 FEMALE	1	16X1.5	22X1.5	12	35	27
711601	M16 MALE	2	16X1.5	16X1.5	12	33	17
712201	M22 MALE	2	16X1.5	22X1.5	12	29	27

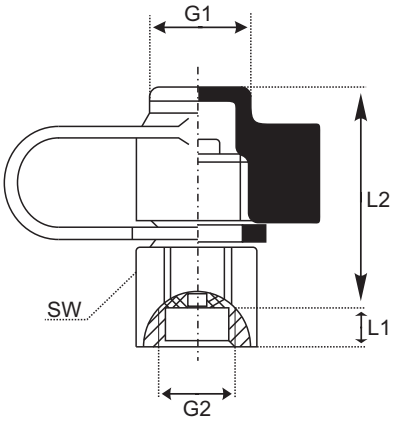


Fig 1

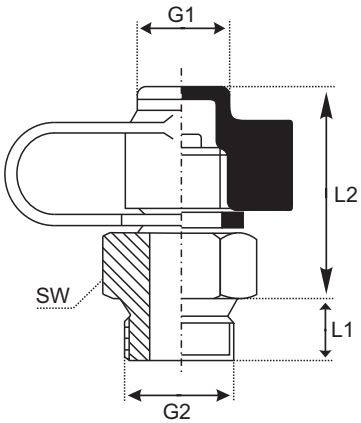
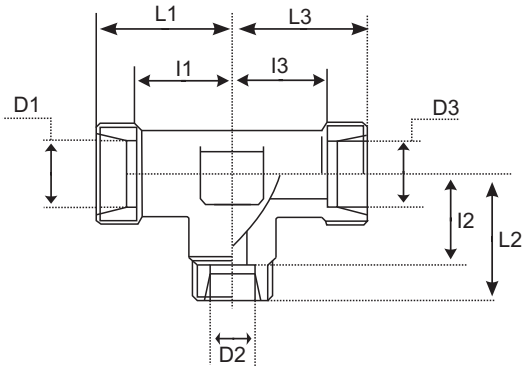


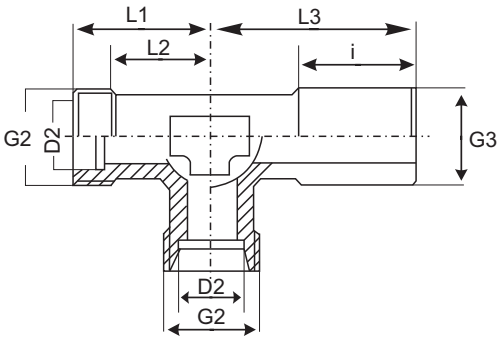
Fig 2

STOSS BRAKE TEE BODIES

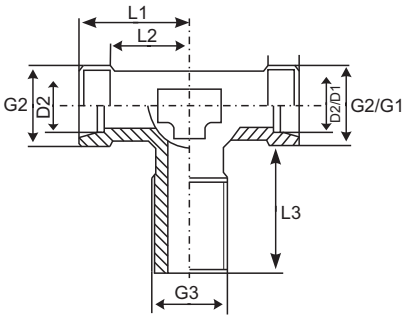
ITEMS	DESCRIPTION	D1	D2	D3	L1	L2	L3	i1	i2	i3
73080608	T08T06T08	8	6	8	21	21	21	14	14	14
73120612	T12T06T12	12	6	12	24	24	24	17	14	17
73120812	T12T08T12	12	8	12	24	24	24	17	14	17



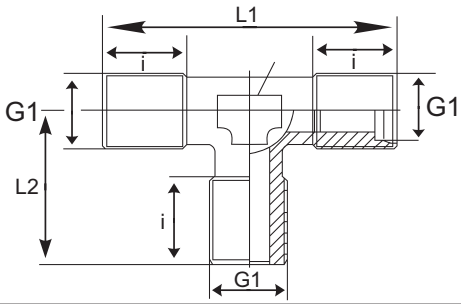
ITEMS	DESCRIPTION	G2	G3	D2	L1	L2	L3	i
73121282	T12T12M22	18X1.5	22X1.5	12	24	17	42	24



ITEMS	DESCRIPTION	G2	G3	D1	D2	G1	L1	L2	L3
73127512	T12M16T12	18X1.5	16X1.5		12		24	15	28
73128212	T12M22T12	18X1.5	22X1.5		12		28	10	35
73127506	T12M16T06	18X1.5	16X1.5	06	12	12X1.5	24	14	30



ITEMS	DESCRIPTION	G1	L1	L2	i
73828282	M22M22M22	22X1.5	84	42	25



BARB TEE STEEL

ITEMS	DESCRIPTION	FOR HOSE ID
838-020202	BARB TEE	4.5 (3/16)
838-040404	BARB TEE	6.0 (1/4)
838-060606	BARB TEE	7.5 (5/16)
838-080808	BARB TEE	9.5 (3/8)
838-131313	BARB TEE	12.7 (1/2)

TYRE FILL LEVER

ITEMS	DESCRIPTION	FOR HOSE ID
899-0807	TYRE FILL THUMBLOCK LEVER	6.0 (1/4)

TYRE FILL WING NUT

ITEMS	DESCRIPTION	FOR HOSE ID
899-0808	M16X1.5 WING NUT	6.0 (1/4)

STEAM CLEANER GUN & FITTINGS

GUN, LANCE & NOZZLE

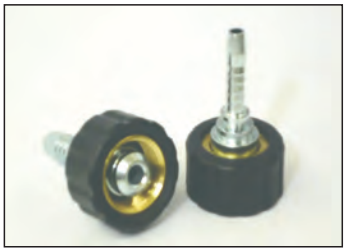
ITEMS	DESCRIPTION	THREADS
800-0010	STEAM CLEAN GUN	22X1.5
800-0020	STEAM CLEAN LANCE	22X1.5
800-0030	STEAM CLEAN NOZZLE	
800-0040	SPARE M18 NUT	18X1.5

COLLARS

ITEMS	DESCRIPTION	FOR HOSE	LENGTH	CRIMP SPECS
801-0600	1/4 COLLAR	1 WIRE	30.0	16.2MM
801-0800	5/16 COLLAR	1 WIRE	30.0	17.7MM
801-1000	3/8 COLLAR	1 WIRE	31.5	20.0MM

HOSETAILS & NUTS

ITEMS	DESCRIPTION	L NUT	FEMALE NUT
803-0621	M21-1/4 HOSETAIL	19.5	21X1.5
803-0821	M21-5/16 HOSETAIL	19.5	21X1.5
803-1021	M21-3/8 HOSETAIL	21.5	21X1.5
802-0622	M22-1/4 HOSETAIL	19.5	22X1.5
802-0822	M22-5/16 HOSETAIL	19.5	22X1.5
802-1022	M22-3/8 HOSETAIL	19.5	22X1.5
812-0622	M22 LONG-1/4 HOSETAIL	21.5	22X1.5
812-0822	M22 LONG-5/16 HOSETAIL	21.5	22X1.5
812-1022	M22 LONG-3/8 HOSETAIL	21.5	22X1.5



FLANGE TAILS

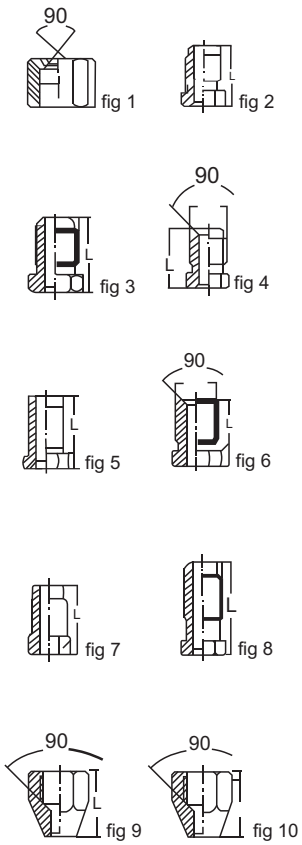
ITEMS	DESCRIPTION
807-0600	1/4 FLANGE TAIL
807-0800	5/16 FLANGE TAIL

RUBBER CUFFS

ITEMS	DESCRIPTION
809-0600	1/4 RUBBER CUFF
809-0800	5/16 RUBBER CUFF
809-1000	3/8 RUBBER CUFF

COHLINE NUTS FOR BRAKE TUBE

ITEMS	MALE/FEMALE	FIG	THREAD SIZE	TUBE OD	ACROSS FLATS	O/L LENGTH	FLARE TYPE
933-0300	FEMALE	1	M10X1.0	4.75	13	16.0	DOUBLE
971-0300	MALE	2	M10X1.0	4.75	11	16.0	SINGLE
971-0400	MALE	2	M12X1.0	6.00	12	20.0	SINGLE
971-0403	MALE	3	M12X1.0	4.75	13	20.0	SINGLE
971-0600	MALE	2	M14X1.5	8.00	14	25.0	SINGLE
971-0651	MALE	2	M14X1.0	8.00	14	16.5	SINGLE
971-0800	MALE	2	M16X1.5	10.0	17	25.0	SINGLE
972-0300	MALE	4	M10X1.0	4.75	11	17.0	DOUBLE
972-0400	MALE	4	M12X1.0	6.00	12	20.0	DOUBLE
972-0403	MALE	4	M12X1.0	4.75	12	20.0	DOUBLE
972-0600	MALE	4	M14X1.5	8.00	14	25.0	DOUBLE
972-0651	MALE	4	M14X1.0	8.00	14	16.5	DOUBLE
973-0300	MALE	5	3/8-24UNF	4.75	11	20.0	SINGLE
974-0300	MALE	6	3/8-24UNF	4.75	10	20.0	DOUBLE
974-0600	MALE	6	1/2-20UNF	8.00	13	16.0	DOUBLE
974-1008	MALE	6	5/8-18UNF	10.0	17	16.5	DOUBLE
999-0200	MALE	2	12-20UNF	6.00	13	17.0	DOUBLE
999-0203	MALE	6	M10X1.25	4.75	10	15.0	DOUBLE
999-0204	MALE	7	M10X1.25	4.75	10	19.0	SINGLE
999-0210	MALE	6	7/16-24UNF	6.00	11	15.5	DOUBLE
999-0215	MALE	6	1/2-20UNF	4.75	13	18.0	DOUBLE
999-0216	MALE	6	7/16-20UNF	4.75	12	18.0	DOUBLE
999-0217	MALE	6	7/16-20UNF	6.00	12	21.0	DOUBLE
999-0218	MALE	2	7/16-20UNF	4.75	11	21.0	SINGLE
999-0224	MALE	8	M10X1.0	4.75	11	24.0	SINGLE
999-0404	FEMALE	9	3/8-24UNF	4.75	14	17.5	DOUBLE
999-0443	FEMALE	10	3/8-24UNF	4.75	14	17.5	SINGLE



COHLINE ADAPTORS

ITEMS	FEMALE	FIG	THREAD SIZE	ACROSS FLATS	O/L LENGTH	FLARE TYPE
9306-0303	FEMALE	11	M10X1.0	13	24	SINGLE
9307-0303	FEMALE	12	M10X1.0	13	24	DOUBLE
9307-0404	FEMALE	12	M12X1.0	17	29	DOUBLE
				d		
9306-030303	FEMALE	15	M10X1.0	7.3		SINGLE
9307-040404	FEMALE	15	M12X1.0	8.3		DOUBLE

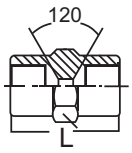


fig 11

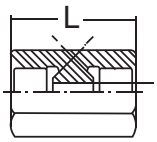


fig 12

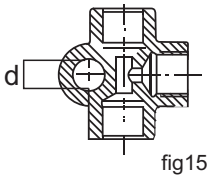


fig15

PNEUMATIC PUSH-IN FITTINGS

- MAX 10 BAR WORKING PRESSURE
- NOT DESIGNED FOR USE ON AIR BRAKE SYSTEMS

BULKHEAD UNIONS

ITEMS	DESCRIPTION	TUBE OD
FSB04	04MM BULKHEAD	M04
FSB06	06MM BULKHEAD	M06
FSB08	08MM BULKHEAD	M08
FSB10	10MM BULKHEAD	M10
FSB12	12MM BULKHEAD	M12

MALE STUDS

ITEMS	DESCRIPTION	TUBE OD	THREAD SIZE
FSC04-1/8	04-1/8 MALE STUD	M04	1/8 BSPT
FSC04-1/4	04-1/4 MALE STUD	M04	1/4 BSPT
FSC04-M5	04-M5 MALE STUD	M04	M05
FSC06-1/8	06-1/8 MALE STUD	M06	1/8 BSPT
FSC06-1/4	06-1/4 MALE STUD	M06	1/4 BSPT
FSC06-3/8	06-3/8 MALE STUD	M06	3/8 BSPT
FSC08-1/8	08-1/8 MALE STUD	M08	1/8 BSPT
FSC08-1/4	08-1/4 MALE STUD	M08	1/4 BSPT
FSC08-3/8	08-3/8 MALE STUD	M08	3/8 BSPT
FSC08-1/2	08-1/2 MALE STUD	M08	1/2 BSPT
FSC10-1/8	10-1/8 MALE STUD	M10	1/8 BSPT
FSC10-1/4	10-1/4 MALE STUD	M10	1/4 BSPT
FSC10-3/8	10-3/8 MALE STUD	M10	3/8 BSPT
FSC10-1/2	10-1/2 MALE STUD	M10	1/2 BSPT
FSC12-1/4	12-1/4 MALE STUD	M12	1/4 BSPT
FSC12-3/8	12-3/8 MALE STUD	M12	3/8 BSPT
FSC12-1/2	12-1/2 MALE STUD	M12	1/2 BSPT

MALE STUD ELBOWS

ITEMS	DESCRIPTION	TUBE OD	THREAD SIZE
FSE04-1/8	04-1/8 STUD ELBOW	M04	1/8 BSPT
FSE04-1/4	04-1/4 STUD ELBOW	M04	1/4 BSPT
FSE04-M5	04-M5 STUD ELBOW	M04	M5
FSE06-1/8	06-1/8 STUD ELBOW	M06	1/8 BSPT
FSE06-1/4	06-1/4 STUD ELBOW	M06	1/4 BSPT
FSE06-3/8	06-3/8 STUD ELBOW	M06	3/8 BSPT

MALE STUD ELBOWS

ITEMS	DESCRIPTION	TUBE OD	THREAD SIZE
FSE08-1/8	08-1/8 STUD ELBOW	M08	1/8 BSPT
FSE08-1/4	08-1/4 STUD ELBOW	M08	1/4 BSPT
FSE08-3/8	08-3/8 STUD ELBOW	M08	3/8 BSPT
FSE08-1/2	08-1/2 STUD ELBOW	M08	1/2 BSPT
FSE10-1/8	10-1/8 STUD ELBOW	M10	1/8 BSPT
FSE10-1/4	10-1/4 STUD ELBOW	M10	1/4 BSPT
FSE10-3/8	10-3/8 STUD ELBOW	M10	3/8 BSPT
FSE10-1/2	10-1/2 STUD ELBOW	M10	1/2 BSPT
FSE12-1/4	12-1/4 STUD ELBOW	M12	1/4 BSPT
FSE12-3/8	12-3/8 STUD ELBOW	M12	3/8 BSPT
FSE12-1/2	12-1/2 STUD ELBOW	M12	1/2 BSPT

FEMALE STUDS

ITEMS	DESCRIPTION	TUBE OD	THREAD SIZE
FSF06-1/8	06-1/8 FEMALE STUD	M06	1/8
FSF06-1/4	06-1/4 FEMALE STUD	M06	1/4
FSF08-1/4	08-1/4 FEMALE STUD	M08	1/4
FSF10-1/4	10-1/4 FEMALE STUD	M10	1/4
FSF12-1/4	12-1/4 FEMALE STUD	M12	1/4

FEMALE BULKHEADS

ITEMS	DESCRIPTION	TUBE OD	THREAD SIZE
FSFP06-1/8	06-1/8 FEMALE BLKH	M06	1/8
FSFP06-1/4	06-1/4 FEMALE BLKH	M06	1/4
FSFP08-1/4	08-1/4 FEMALE BLKH	M08	1/4

BRANCH TEES

ITEMS	DESCRIPTION	TUBE OD	THREAD SIZE
FST04-1/8	04-1/8 BRANCH TEE	M04	1/8 BSPT
FST06-1/8	06-1/8 BRANCH TEE	M06	1/8 BSPT
FST06-1/4	06-1/4 BRANCH TEE	M06	1/4 BSPT
FST08-1/8	08-1/8 BRANCH TEE	M08	1/8 BSPT
FST08-1/4	08-1/4 BRANCH TEE	M08	1/4 BSPT
FST10-1/4	10-1/4 BRANCH TEE	M10	1/4 BSPT
FST10-3/8	10-3/8 BRANCH TEE	M10	3/8 BSPT
FST12-1/4	12-1/4 BRANCH TEE	M12	1/4 BSPT
FST12-1/2	12-1/2 BRANCH TEE	M12	1/2 BSPT

RUN TEE

ITEMS	DESCRIPTION	TUBE OD	THREAD SIZE
FSTL04-1/8	04-1/8 RUN TEE	M04	1/8 BSPT
FSTL06-1/8	06-1/8 RUN TEE	M06	1/8 BSPT
FSTL06-1/4	06-1/4 RUN TEE	M06	1/4 BSPT
FSTL08-1/4	08-1/4 RUN TEE	M08	1/4 BSPT

EQUAL UNION

ITEMS	DESCRIPTION	TUBE OD
FUE04	04 EQUAL UNION	M04
FUE06	06 EQUAL UNION	M06
FUE08	08 EQUAL UNION	M08
FUE10	10 EQUAL UNION	M10
FUE12	12 EQUAL UNION	M12
FUE14	14 EQUAL UNION	M14
FUE15	15 EQUAL UNION	M15
FUE16	16 EQUAL UNION	M16

UNEQUAL UNION

ITEMS	DESCRIPTION	TUBE OD	TUBE OD
FUER06-04	06-04 UNION	M06	M04
FUER08-06	08-06 UNION	M08	M06
FUER10-08	10-08 UNION	M10	M08
FUER12-10	12-10 UNION	M12	M10

EQUAL ELBOW

ITEMS	DESCRIPTION	TUBE OD
FUL04	04 EQUAL ELBOW	M04
FUL06	06 EQUAL ELBOW	M06
FUL08	08 EQUAL ELBOW	M08
FUL10	10 EQUAL ELBOW	M10
FUL12	12 EQUAL ELBOW	M12

EQUAL TEE

ITEMS	DESCRIPTION	TUBE OD
FUT04	04 EQUAL TEE	M04
FUT06	06 EQUAL TEE	M06
FUT08	08 EQUAL TEE	M08
FUT10	10 EQUAL TEE	M10
FUT12	12 EQUAL TEE	M12

EQUAL Y

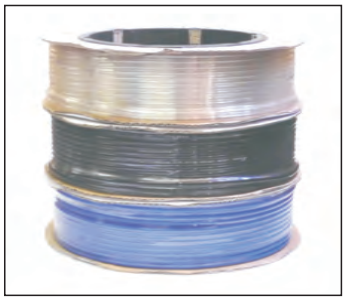
ITEMS	DESCRIPTION	TUBE OD
FUY04	04 EQUAL Y	M04
FUY06	06 EQUAL Y	M06
FUY08	08 EQUAL Y	M08
FUY10	10 EQUAL Y	M10
FUY12	12 EQUAL Y	M12

TUBE TO STEM REDUCERS

ITEMS	DESCRIPTION	TUBE OD	STEM
TR2PK06-04	06-04 REDUCER	M04	06
TR2PK08-04	08-04 REDUCER	M04	08
TR2PK08-06	08-06 REDUCER	M06	08
TR2PK10-06	10-06 REDUCER	M06	10
TR2PK10-08	10-08 REDUCER	M08	10
TR2PK12-08	12-08 REDUCER	M08	12
TR2PK12-10	12-10 REDUCER	M10	12

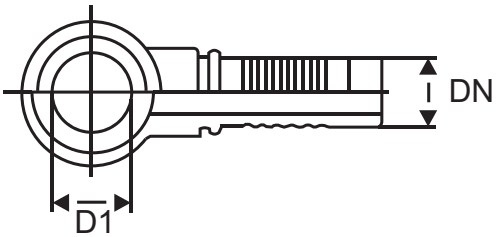
POLYURETHANE TUBING

ITEMS	DESCRIPTION	TUBE OD	TUBE ID	WALL	WORKING PRESSURE	BURST PRESSURE
PU04-00	04MM CLEAR	4.0	2.0	1.00	7 BAR	23 BAR
PU04-01	04MM BLACK	4.0	2.0	1.00	7 BAR	23 BAR
PU04-04	04MM BLUE	4.0	2.0	1.00	7 BAR	23 BAR
PU06-00	06MM CLEAR	6.0	4.0	1.00	7 BAR	23 BAR
PU06-01	06MM BLACK	6.0	4.0	1.00	7 BAR	23 BAR
PU06-04	06MM BLUE	6.0	4.0	1.00	7 BAR	23 BAR
PU08-00	08MM CLEAR	8.0	5.5	1.25	7 BAR	23 BAR
PU08-01	08MM BLACK	8.0	5.5	1.25	7 BAR	23 BAR
PU08-04	08MM BLUE	8.0	5.5	1.25	7 BAR	23 BAR
PU10-00	10MM CLEAR	10.0	6.5	1.75	7 BAR	23 BAR
PU10-01	10MM BLACK	10.0	6.5	1.75	7 BAR	23 BAR
PU10-04	10MM BLUE	10.0	6.5	1.75	7 BAR	23 BAR
PU12-00	12MM CLEAR	12.0	8.0	2.00	7 BAR	23 BAR
PU12-01	12MM BLACK	12.0	8.0	2.00	7 BAR	23 BAR
PU12-04	12MM BLUE	12.0	8.0	2.00	7 BAR	23 BAR



METRIC BANJOS

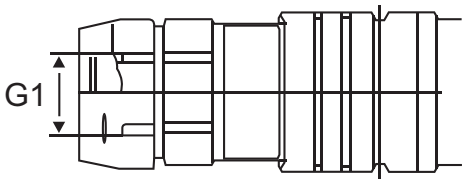
ITEMS	DESCRIPTION	D1 FOR BOLT	DN HOSE ID
XPRS-12-1/4	M12-1/4 BANJO	M12	1/4
XPRS-14-1/4	M14-1/4 BANJO	M14	1/4
XPRS-14-3/8	M14-3/8 BANJO	M14	3/8
XPRS-16-3/8	M16-3/8 BANJO	M16	3/8
XPRS-16-1/2	M16-1/2 BANJO	M16	1/2
XPRS-18-3/8	M18-3/8 BANJO	M18	3/8
XPRS-18-1/2	M18-1/2 BANJO	M18	1/2
XPRS-18-5/8	M18-5/8 BANJO	M18	5/8
XPRS-26-3/4	M26-3/4 BANJO	M26	3/4



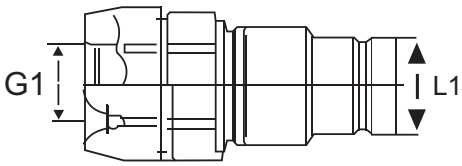
FLAT-FACE COUPLERS & PROBES

FEMALE BSP

ITEMS	DESCRIPTION	G1
FF1004	1/4 COUPLER	1/4 BSP
FF1006	3/8 COUPLER	3/8 BSP
FF1008	1/2 COUPLER	1/2 BSP
FF1012	3/4 COUPLER	3/4 BSP
FF1016	1" COUPLER	1" BSP
FF1020	1 1/4 COUPLER	1 1/4 BSP



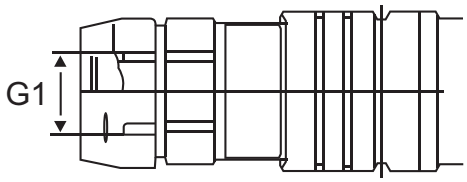
ITEMS	DESCRIPTION	G1	L1
FM1004	1/4 PROBE	1/4 BSP	16.1MM
FM1006	3/8 PROBE	3/8 BSP	19.8MM
FM1008	1/2 PROBE	1/2 BSP	24.5MM
FM1012	3/4 PROBE	3/4 BSP	27.0MM
FM1016	1" PROBE	1" BSP	30.0MM
FM1020	1 1/4 PROBE	1 1/4 BSP	36.0MM



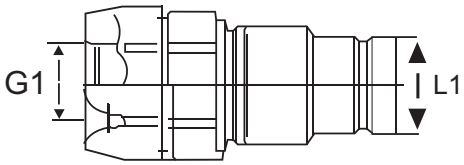
‘FASTER’ FLAT-FACE COUPLERS & PROBES

FEMALE BSP

ITEMS	DESCRIPTION	G1
FFH04-1/4 GAS-F	1/4 COUPLER	1/4 BSP
FFH06-3/8 GAS-F	3/8 COUPLER	3/8 BSP
FFH08-1/2 GAS-F	1/2 COUPLER	1/2 BSP
FFH12-3/4 GAS-F	3/4 COUPLER	3/4 BSP



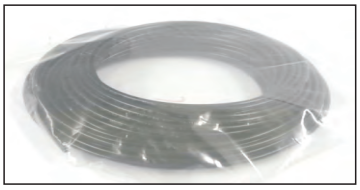
ITEMS	DESCRIPTION	G1	L1
FFH04-1/4 GAS-M	1/4 PROBE	1/4 BSP	16.1MM
FFH06-3/8 GAS-M	3/8 PROBE	3/8 BSP	19.8MM
FFH08-1/2 GAS-M	1/2 PROBE	1/2 BSP	24.5MM
FFH12-3/4 GAS-M	3/4 PROBE	3/4 BSP	30.0MM



MINI-MESS HOSE & FITTINGS

HOSE

ITEMS	DESCRIPTION	ID	OD	PRESSURE
9-201290	DN2 HOSE	02MM	05MM	630 BAR



COLLAR

ITEMS	DESCRIPTION	LENGTH	FINAL CRIMPING DIAM.
9-260003	COLLAR/FERRULE	15MM	07MM

HOSE FITTINGS

ITEMS	DESCRIPTION	FEMALE THREAD
9-261015	FEMALE FOR TESTPOINT	M16X2.0
9-261045	FEMALE FOR GAUGE	1/4 BSP

DKOL TESTPOINT

ITEMS	DESCRIPTION	THREAD UNDER TESTPOINT	THREAD UNDER DKOL
9-261510	DKO-06L	M16X2.0	M12X1.5
9-261511	DKO-08L	M16X2.0	M14X1.5
9-261512	DKO-10L	M16X2.0	M16X1.5
9-261513	DKO-12L	M16X2.0	M18X1.5
9-261514	DKO-15L	M16X2.0	M22X1.5
9-261515	DKO-18L	M16X2.0	M26X1.5

TESTPOINT

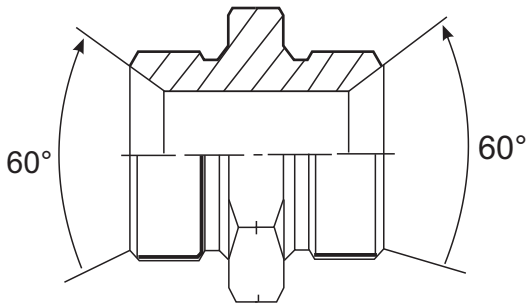
ITEMS	DESCRIPTION	THREAD UNDER TESTPOINT	MALE THREAD
9-261303	1/4 BSP MALE	M16X2.0	1/4 BSP
9-3701	M10 MALE TESTPOINT	M18X1.5	M10X1.0

GAUGES

ITEMS	DESCRIPTION	THREAD	BAR
9-292104	BOTTOM ENTRY GAUGE	1/4 BSP	40
9-292109	BOTTOM ENTRY GAUGE	1/4 BSP	400

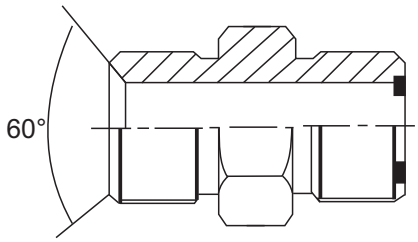
BSP MALE - BSP MALE ADAPTORS

ITEMS	DESCRIPTION	BSP THREAD	BSP THREAD
AD01-02	1/8 BSP MALE - 1/8 BSP MALE	1/8 BSP	1/8 BSP
AD01-0204	1/8 BSP MALE - 1/4 BSP MALE	1/8 BSP	1/4 BSP
AD01-0206	1/8 BSP MALE - 3/8 BSP MALE	1/8 BSP	3/8 BSP
AD01-0208	1/8 BSP MALE - 1/2 BSP MALE	1/8 BSP	1/2 BSP
AD01-04	1/4 BSP MALE - 1/4 BSP MALE	1/4 BSP	1/4 BSP
AD01-0406	1/4 BSP MALE - 3/8 BSP MALE	1/4 BSP	3/8 BSP
AD01-0408	1/4 BSP MALE - 1/2 BSP MALE	1/4 BSP	1/2 BSP
AD01-06	3/8 BSP MALE - 3/8 BSP MALE	3/8 BSP	3/8 BSP
AD01-0608	3/8 BSP MALE - 1/2 BSP MALE	3/8 BSP	1/2 BSP
AD01-0612	3/8 BSP MALE - 3/4 BSP MALE	3/8 BSP	3/4 BSP
AD01-08	1/2 BSP MALE - 1/2 BSP MALE	1/2 BSP	1/2 BSP
AD01-0810	1/2 BSP MALE - 5/8 BSP MALE	1/2 BSP	5/8 BSP
AD01-0812	1/2 BSP MALE - 3/4 BSP MALE	1/2 BSP	3/4 BSP
AD01-0816	1/2 BSP MALE - 1" BSP MALE	1/2 BSP	1" BSP
AD01-0808DW	1/2 BSP MALE - 1/2 BSP MALE + DW	1/2 BSP	1/2 BSP
AD01-10	5/8 BSP MALE - 5/8 BSP MALE	5/8 BSP	5/8 BSP
AD01-1012	5/8 BSP MALE - 3/4 BSP MALE	5/8 BSP	3/4 BSP
AD01-12	3/4 BSP MALE - 3/4 BSP MALE	3/4 BSP	3/4 BSP
AD01-1216	3/4 BSP MALE - 1" BSP MALE	3/4 BSP	1" BSP
AD01-1220	3/4 BSP MALE - 1 1/4 BSP MALE	3/4 BSP	1 1/4 BSP
AD01-16	1" BSP MALE - 1" BSP MALE	1" BSP	1" BSP
AD01-1620	1" BSP MALE - 1 1/4 BSP MALE	1" BSP	1 1/4 BSP
AD01-1624	1" BSP MALE - 1 1/2 BSP MALE	1" BSP	1 1/2 BSP
AD01-20	1 1/4 BSP MALE - 1 1/4 BSP MALE	1 1/4 BSP	1 1/4 BSP
AD01-2024	1 1/4 BSP MALE - 1 1/2 BSP MALE	1 1/4 BSP	1 1/2 BSP
AD01-24	1 1/2 BSP MALE - 1 1/2 BSP MALE	1 1/2 BSP	1 1/2 BSP
AD01-2432	1 1/2 BSP MALE - 2" BSP MALE	1 1/2 BSP	2" BSP
AD01-32	2" BSP MALE - 2" BSP MALE	2" BSP	2" BSP



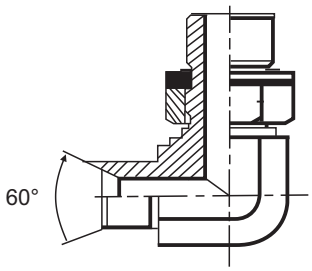
BSP MALE - ORFS MALE ADAPTOR

ITEMS	DESCRIPTION	BSP THREAD	ORFS THREAD
AD02-0206	1/8 BSP MALE - 11/16 ORFS MALE	1/8 BSP	11/16-16
AD02-0404	1/4 BSP MALE - 9/16 ORFS MALE	1/4 BSP	9/16-18
AD02-0406	1/4 BSP MALE - 11/16 ORFS MALE	1/4 BSP	11/16-16
AD02-0408	1/4 BSP MALE - 13/16 ORFS MALE	1/4 BSP	13/16-16
AD02-0604	3/8 BSP MALE - 9/16 ORFS MALE	3/8 BSP	9/16-18
AD02-0606	3/8 BSP MALE - 11/16 ORFS MALE	3/8 BSP	11/16-16
AD02-0608	3/8 BSP MALE - 13/16 ORFS MALE	3/8 BSP	13/16-16
AD02-0804	1/2 BSP MALE - 9/16 ORFS MALE	1/2 BSP	9/16-18
AD02-0806	1/2 BSP MALE - 11/16 ORFS MALE	1/2 BSP	11/16-16
AD02-0808	1/2 BSP MALE - 13/16 ORFS MALE	1/2 BSP	13/16-16
AD02-0810	1/2 BSP MALE - 1" ORFS MALE	1/2 BSP	1-14
AD02-0812	1/2 BSP MALE - 1 3/16 ORFS MALE	1/2 BSP	1 3/16-12
AD02-1208	3/4 BSP MALE - 13/16 ORFS MALE	3/4 BSP	13/16-16
AD02-1210	3/4 BSP MALE - 1" ORFS MALE	3/4 BSP	1-14
AD02-1212	3/4 BSP MALE - 1 3/16 ORFS MALE	3/4 BSP	1 3/16-12
AD02-1216	3/4 BSP MALE - 1 7/16 ORFS MALE	3/4 BSP	1 7/16-12
AD02-1612	1" BSP MALE - 1 3/16 ORFS MALE	1" BSP	1 3/16-12
AD02-1616	1" BSP MALE - 1 7/16 ORFS MALE	1" BSP	1 7/16-12
AD02-1620	1" BSP MALE - 1 11/16 ORFS MALE	1" BSP	1 11/16-12
AD02-2016	1 1/4 BSP MALE - 1 7/16 ORFS MALE	1 1/4 BSP	1 7/16-12
AD02-2020	1 1/4 BSP MALE - 1 11/16 ORFS MALE	1 1/4 BSP	1 11/16-12



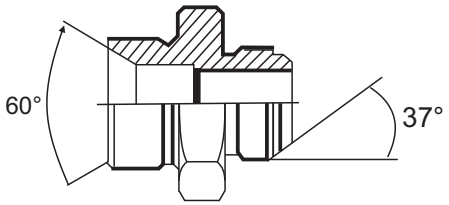
BSP MALE - BSP MALE 90°

ITEMS	DESCRIPTION	BSP THREAD	BSP THREAD
AD03-04	1/4 BSP MALE - 1/4 BSP MALE 90°	1/4 BSP	1/4 BSP
AD03-06	3/8 BSP MALE - 3/8 BSP MALE 90°	3/8 BSP	3/8 BSP
AD03-08	1/2 BSP MALE - 1/2 BSP MALE 90°	1/2 BSP	1/2 BSP
AD03-12	3/4 BSP MALE - 3/4 BSP MALE 90°	3/4 BSP	3/4 BSP
AD03-16	1" BSP MALE - 1" BSP MALE 90°	1" BSP	1" BSP



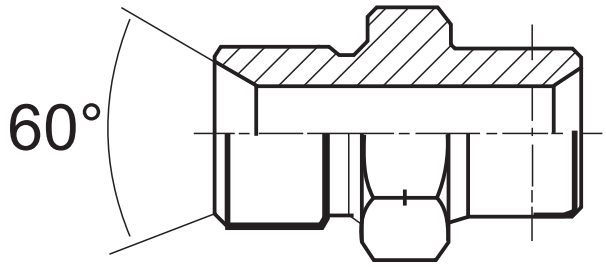
BSP MALE - JIC MALE ADAPTOR

ITEMS	DESCRIPTION	BSP THREAD	JIC THREAD
AD04-0204	1/8 BSP MALE - 7/16 JIC MALE	1/8 BSP	7/16-20
AD04-0206	1/8 BSP MALE - 9/16 JIC MALE	1/8 BSP	9/16-18
AD04-0404	1/4 BSP MALE - 7/16 JIC MALE	1/4 BSP	7/16-20
AD04-0406	1/4 BSP MALE - 9/16 JIC MALE	1/4 BSP	9/16-18
AD04-0408	1/4 BSP MALE - 3/4 JIC MALE	1/4 BSP	3/4-16
AD04-0604	3/8 BSP MALE - 7/16 JIC MALE	3/8 BSP	7/16-20
AD04-0606	3/8 BSP MALE - 9/16 JIC MALE	3/8 BSP	9/16-18
AD04-0608	3/8 BSP MALE - 3/4 JIC MALE	3/8 BSP	3/4-16
AD04-0610	3/8 BSP MALE - 7/8 JIC MALE	3/8 BSP	7/8-14
AD04-0612	3/8 BSP MALE - 1 1/16 JIC MALE	3/8 BSP	1 1/16-12
AD04-0804	1/2 BSP MALE - 7/16 JIC MALE	1/2 BSP	7/16-20
AD04-0806	1/2 BSP MALE - 9/16 JIC MALE	1/2 BSP	9/16-18
AD04-0808	1/2 BSP MALE - 3/4 JIC MALE	1/2 BSP	3/4-16
AD04-0810	1/2 BSP MALE - 7/8 JIC MALE	1/2 BSP	7/8-14
AD04-0812	1/2 BSP MALE - 1 1/16 JIC MALE	1/2 BSP	1 1/16-12
AD04-0816	1/2 BSP MALE - 1 5/16 JIC MALE	1/2 BSP	1 5/16-12
AD04-1008	5/8 BSP MALE - 3/4 JIC MALE	5/8 BSP	3/4-16
AD04-1010	5/8 BSP MALE - 7/8 JIC MALE	5/8 BSP	7/8-14
AD04-1012	5/8 BSP MALE - 1 1/16 JIC MALE	5/8 BSP	1 1/16-12
AD04-1206	3/4 BSP MALE - 9/16 JIC MALE	3/4 BSP	9/16-18
AD04-1208	3/4 BSP MALE - 3/4 JIC MALE	3/4 BSP	3/4-16
AD04-1210	3/4 BSP MALE - 7/8 JIC MALE	3/4 BSP	7/8-14
AD04-1212	3/4 BSP MALE - 1 1/16 JIC MALE	3/4 BSP	1 1/16-12
AD04-1216	3/4 BSP MALE - 1 5/16 JIC MALE	3/4 BSP	1 5/16-12
AD04-1220	3/4 BSP MALE - 1 5/8 JIC MALE	3/4 BSP	1 5/8-12
AD04-1608	1" BSP MALE - 3/4 JIC MALE	1" BSP	3/4-16
AD04-1612	1" BSP MALE - 1 1/16 JIC MALE	1" BSP	1 1/16-12
AD04-1616	1" BSP MALE - 1 5/16 JIC MALE	1" BSP	1 5/16-12
AD04-1620	1" BSP MALE - 1 5/8 JIC MALE	1" BSP	1 5/8-12
AD04-1624	1" BSP MALE - 1 7/8 JIC MALE	1" BSP	1 7/8-12
AD04-2012	1 1/4 BSP MALE - 1 1/16 JIC MALE	1 1/4 BSP	1 1/16-12
AD04-2016	1 1/4 BSP MALE - 1 5/16 JIC MALE	1 1/4 BSP	1 5/16-12
AD04-2020	1 1/4 BSP MALE - 1 5/8 JIC MALE	1 1/4 BSP	1 5/8-12
AD04-2024	1 1/4 BSP MALE - 1 7/8 JIC MALE	1 1/4 BSP	1 7/8-12
AD04-2416	1 1/2 BSP MALE - 1 5/16 JIC MALE	1 1/2 BSP	1 5/16-12
AD04-2420	1 1/2 BSP MALE - 1 5/8 JIC MALE	1 1/2 BSP	1 5/8-12
AD04-2424	1 1/2 BSP MALE -1 7/8 JIC MALE	1 1/2 BSP	1 7/8-12
AD04-3232	2" BSP MALE - 2 1/2 JIC MALE	2" BSP	2 1/2-12



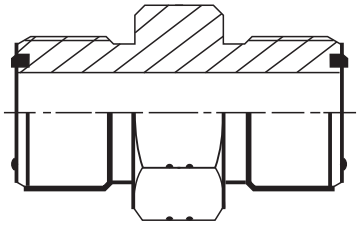
BSP MALE - BSPT MALE ADAPTOR

ITEMS	DESCRIPTION	BSP THREAD	BSPT THREAD
AD05-02	1/8 BSP MALE - 1/8 BSPT MALE	1/8 BSP	1/8 BSPT
AD05-0204	1/8 BSP MALE - 1/4 BSPT MALE	1/8 BSP	1/4 BSPT
AD05-0402	1/4 BSP MALE - 1/8 BSPT MALE	1/4 BSP	1/8 BSPT
AD05-04	1/4 BSP MALE - 1/4 BSPT MALE	1/4 BSP	1/4 BSPT
AD05-0406	1/4 BSP MALE - 3/8 BSPT MALE	1/4 BSP	3/8 BSPT
AD05-0408	1/4 BSP MALE - 1/2 BSPT MALE	1/4 BSP	1/2 BSPT
AD05-0602	3/8 BSP MALE - 1/8 BSPT MALE	3/8 BSP	1/8 BSPT
AD05-0604	3/8 BSP MALE - 1/4 BSPT MALE	3/8 BSP	1/4 BSPT
AD05-06	3/8 BSP MALE - 3/8 BSPT MALE	3/8 BSP	3/8 BSPT
AD05-0608	3/8 BSP MALE - 1/2 BSPT MALE	3/8 BSP	1/2 BSPT
AD05-0612	3/8 BSP MALE - 3/4 BSPT MALE	3/8 BSP	3/4 BSPT
AD05-0804	1/2 BSP MALE - 1/4 BSPT MALE	1/2 BSP	1/4 BSPT
AD05-0806	1/2 BSP MALE - 3/8 BSPT MALE	1/2 BSP	3/8 BSPT
AD05-08	1/2 BSP MALE - 1/2 BSPT MALE	1/2 BSP	1/2 BSPT
AD05-0812	1/2 BSP MALE - 3/4 BSPT MALE	1/2 BSP	3/4 BSPT
AD05-1008	5/8 BSP MALE - 1/2 BSPT MALE	5/8 BSP	1/2 BSPT
AD05-1206	3/4 BSP MALE - 3/8 BSPT MALE	3/4 BSP	3/8 BSPT
AD05-1208	3/4 BSP MALE - 1/2 BSPT MALE	3/4 BSP	1/2 BSPT
AD05-12	3/4 BSP MALE - 3/4 BSPT MALE	3/4 BSP	3/4 BSPT
AD05-1216	3/4 BSP MALE - 1" BSPT MALE	3/4 BSP	1" BSPT
AD05-1612	1" BSP MALE - 3/4 BSPT MALE	1" BSP	3/4 BSPT
AD05-16	1" BSP MALE - 1" BSPT MALE	1" BSP	1" BSPT
AD05-1620	1" BSP MALE - 1 1/4 BSPT MALE	1" BSP	1 1/4 BSPT
AD05-2016	1 1/4 BSP MALE - 1" BSPT MALE	1 1/4 BSP	1" BSPT
AD05-20	1 1/4 BSP MALE - 1 1/4 BSPT MALE	1 1/4 BSP	1 1/4 BSPT
AD05-2024	1 1/4 BSP MALE - 1 1/2 BSPT MALE	1 1/4 BSP	1 1/2 BSPT
AD05-2420	1 1/2 BSP MALE - 1 1/4 BSPT MALE	1 1/2 BSP	1 1/4 BSPT
AD05-24	1 1/2 BSP MALE - 1 1/2 BSPT MALE	1 1/2 BSP	1 1/2 BSPT
AD05-32	2" BSP MALE - 2" BSPT MALE	2" BSP	2" BSPT



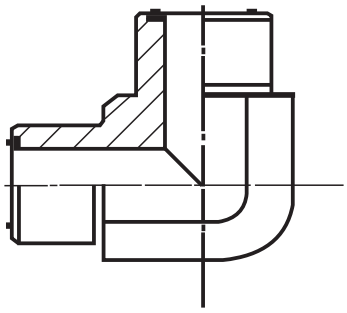
ORFS MALE - ORFS MALE ADAPTOR

ITEMS	DESCRIPTION	ORFS THREAD	ORFS THREAD
AD06-04	9/16 ORFS MALE - 9/16 ORFS MALE	9/16-18	9/16-18
AD06-0406	9/16 ORFS MALE - 11/16 ORFS MALE	9/16-18	11/16-16
AD06-0408	9/16 ORFS MALE - 13/16 ORFS MALE	9/16-18	13/16-16
AD06-06	11/16 ORFS MALE - 11/16 ORFS MALE	11/16-16	11/16-16
AD06-0608	11/16 ORFS MALE - 13/16 ORFS MALE	11/16-16	13/16-16
AD06-08	13/16 ORFS MALE - 13/16 ORFS MALE	13/16-16	13/16-16
AD06-0810	13/16 ORFS MALE - 1" ORFS MALE	13/16-16	1-14
AD06-10	1" ORFS MALE - 1" ORFS MALE	1-14	1-14
AD06-1012	1" ORFS MALE - 1 3/16 ORFS MALE	1-14	1 3/16-12
AD06-12	1 3/16 ORFS MALE - 1 3/16 ORFS MALE	1 3/16-12	1 3/16-12
AD06-1216	1 3/16 ORFS MALE - 1 7/16 ORFS MALE	1 3/16-12	1 7/16-12
AD06-16	1 7/16 ORFS MALE - 1 7/16 ORFS MALE	1 7/16-12	1 7/16-12
AD06-1620	1 7/16 ORFS MALE - 1 11/16 ORFS MALE	1 7/16-12	1 11/16-12
AD06-20	1 11/16 ORFS MALE - 1 11/16 ORFS MALE	1 11/16-12	1 11/16-12
AD06-24	2" ORFS MALE - 2" ORFS MALE	2-12	2-12



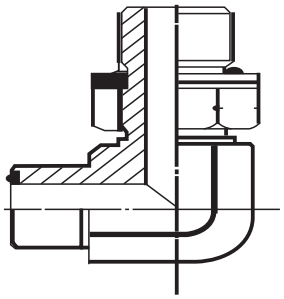
ORFS MALE - ORFS MALE 90° ADAPTOR

ITEMS	DESCRIPTION	ORFS THREAD	ORFS THREAD
AD07-04	9/16 ORFS MALE - 9/16 ORFS MALE 90°	9/16-18	9/16-18
AD07-06	11/16 ORFS MALE - 11/16 ORFS MALE 90°	11/16-16	11/16-16
AD07-08	13/16 ORFS MALE - 13/16 ORFS MALE 90°	13/16-16	13/16-16
AD07-10	1" ORFS MALE - 1" ORFS MALE 90°	1-14	1-14
AD07-12	1 3/16 ORFS MALE - 1 3/16 ORFS MALE 90°	1 3/16-12	1 3/16-12
AD07-16	1 7/16 ORFS MALE - 1 7/16 ORFS MALE 90°	1 7/16-12	1 7/16-12
AD07-20	1 11/16 ORFS MALE - 1 11/16 ORFS MALE 90° 90°	1 11/16-12	1 11/16-12
AD07-24	2" ORFS MALE - 2-12 ORFS MALE 90°	2-12	2-12



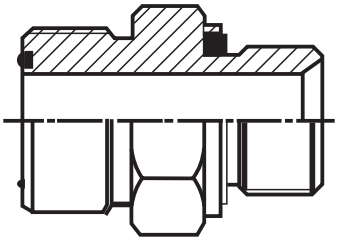
ORFS MALE - BSP MALE 90° ADAPTOR

ITEMS	DESCRIPTION	ORFS THREAD	BSP THREAD
AD08-0404	9/16 ORFS MALE - 1/4 BSP MALE 90°	9/16-18	1/4 BSP
AD08-0406	9/16 ORFS MALE - 3/8 BSP MALE 90°	9/16-18	3/8 BSP
AD08-0604	11/16 ORFS MALE - 1/4 BSP MALE 90°	11/16-16	1/4 BSP
AD08-0606	11/16 ORFS MALE - 3/8 BSP MALE 90°	11/16-16	3/8 BSP
AD08-0608	11/16 ORFS MALE - 1/2 BSP MALE 90°	11/16-16	1/2 BSP
AD08-0806	13/16 ORFS MALE - 3/8 BSP MALE 90°	13/16-16	3/8 BSP
AD08-0808	13/16 ORFS MALE - 1/2 BSP MALE 90°	13/16-16	1/2 BSP
AD08-1008	1" ORFS MALE - 1/2 BSP MALE 90°	1-14	1/2 BSP
AD08-1012	1" ORFS MALE - 3/4 BSP MALE 90°	1-14	3/4 BSP
AD08-1208	1 3/16 ORFS MALE - 1/2 BSP MALE 90°	1 3/16-12	1/2 BSP
AD08-1212	1 3/16 ORFS MALE - 3/4 BSP MALE 90°	1 3/16-12	3/4 BSP
AD08-1216	1 3/16 ORFS MALE - 1" BSP MALE 90°	1 3/16-12	1" BSP
AD08-1616	1 7/16 ORFS MALE - 1" BSP MALE 90°	1 7/16-12	1" BSP
AD08-1620	1 7/16 ORFS MALE - 1 1/4 BSP MALE 90°	1 7/16-12	1 1/4 BSP
AD08-2020	1 11/16 ORFS MALE - 1 1/4 BSP MALE 90°	1 11/16-12	1/4 BSP
AD08-2016	1 11/16 ORFS MALE - 1" BSP MALE 90°	1 11/16-12	1" BSP



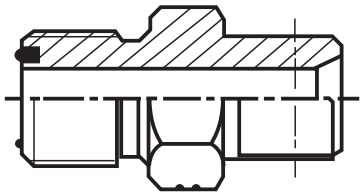
ORFS MALE - METRIC MALE ADAPTOR

ITEMS	DESCRIPTION	ORFS THREAD	METRIC THREAD
AD09-0616	11/16 ORFS MALE - M16X1.5 MALE	11/16-16	M16X1.5
AD09-0618	11/16 ORFS MALE - M18X1.5 MALE	11/16-16	M18X1.5
AD09-0822	13/16 ORFS MALE - M22X1.5 MALE	13/16-16	M22X1.5
AD09-1022	1" ORFS MALE - M22X1.5 MALE	1-14	M22X1.5



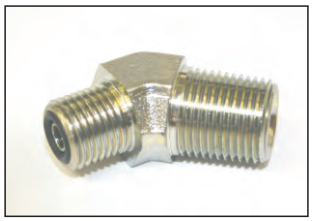
ORFS MALE - NPT MALE ADAPTOR

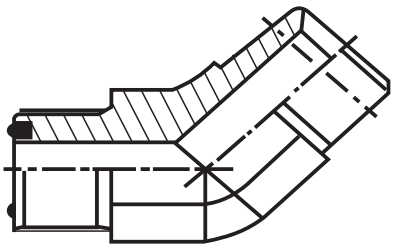
ITEMS	DESCRIPTION	ORFS THREAD	NPT THREAD
AD10-0402	9/16 ORFS MALE - 1/8 NPT MALE	9/16-18	1/8 NPT
AD10-0404	9/16 ORFS MALE - 1/4 NPT MALE	9/16-18	1/4 NPT
AD10-0406	9/16 ORFS MALE - 3/8 NPT MALE	9/16-18	3/8 NPT
AD10-0408	9/16 ORFS MALE - 1/2 NPT MALE	9/16-18	1/2 NPT
AD10-0604	11/16 ORFS MALE - 1/4 NPT MALE	11/16-16	1/4 NPT
AD10-0606	11/16 ORFS MALE - 3/8 NPT MALE	11/16-16	3/8 NPT
AD10-0608	11/16 ORFS MALE - 1/2 NPT MALE	11/16-16	1/2 NPT
AD10-0804	13/16 ORFS MALE - 1/4 NPT MALE	13/16-16	1/4 NPT
AD10-0806	13/16 ORFS MALE - 3/8 NPT MALE	13/16-16	3/8 NPT
AD10-0808	13/16 ORFS MALE - 1/2 NPT MALE	13/16-16	1/2 NPT
AD10-0812	13/16 ORFS MALE - 3/4 NPT MALE	13/16-16	3/4 NPT
AD10-1008	1" ORFS MALE - 1/2 NPT MALE	1-14	1/2 NPT
AD10-1012	1" ORFS MALE - 3/4 NPT MALE	1-14	3/4 NPT
AD10-1208	1 3/16 ORFS MALE - 1/2 NPT MALE	1 3/16-12	1/2 NPT
AD10-1212	1 3/16 ORFS MALE - 3/4 NPT MALE	1 3/16-12	3/4 NPT
AD10-1216	1 3/16 ORFS MALE - 1" NPT MALE	1 3/16-12	1" NPT
AD10-1612	1 7/16 ORFS MALE - 3/4 NPT MALE	1 7/16-12	3/4 NPT
AD10-1616	1 7/16 ORFS MALE - 1" NPT MALE	1 7/16-12	1" NPT
AD10-1620	1 7/16 ORFS MALE - 1 1/4 NPT MALE	1 7/16-12	1 1/4 NPT
AD10-2016	1 11/16 ORFS MALE - 1" NPT MALE	1 11/16-12	1" NPT
AD10-2020	1 11/16 ORFS MALE - 1 1/4 NPT MALE	1 11/16-12	1 1/4 NPT
AD10-2424	2" ORFS MALE - 1 1/2 NPT MALE	2-12	1 1/2 NPT



ORFS MALE - NPT MALE 45°ADAPTOR

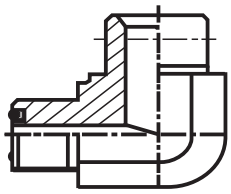
ITEMS	DESCRIPTION	ORFS THREAD	NPT THREAD
AD11-0406	9/16 ORFS MALE - 3/8 NPT MALE 45°	9/16-18	3/8 NPT
AD11-0604	11/16 ORFS MALE - 1/4 NPT MALE 45°	11/16-16	1/4 NPT
AD11-0606	11/16 ORFS MALE - 3/8 NPT MALE 45°	11/16-16	3/8 NPT
AD11-0808	13/16 ORFS MALE - 1/2 NPT MALE 45°	13/16-16	1/2 NPT
AD11-1212	1 3/16 ORFS MALE - 3/4 NPT MALE 45°	1 3/16-12	3/4 NPT





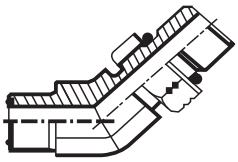
ORFS MALE - NPT MALE 90° ADAPTOR

ITEMS	DESCRIPTION	ORFS THREAD	NPT THREAD
AD12-0402	9/16 ORFS MALE - 1/8 NPT MALE 90°	9/16-18	1/8 NPT
AD12-0404	9/16 ORFS MALE - 1/4 NPT MALE 90°	9/16-18	1/4 NPT
AD12-0406	9/16 ORFS MALE - 3/8 NPT MALE 90°	9/16-18	3/8 NPT
AD12-0604	11/16 ORFS MALE - 1/4 NPT MALE 90°	11/16-16	1/4 NPT
AD12-0606	11/16 ORFS MALE - 3/8 NPT MALE 90°	11/16-16	3/8 NPT
AD12-0608	11/16 ORFS MALE - 1/2 NPT MALE 90°	11/16-16	1/2 NPT
AD12-0804	13/16 ORFS MALE - 1/4 NPT MALE 90°	13/16-16	1/4 NPT
AD12-0806	13/16 ORFS MALE - 3/8 NPT MALE 90°	13/16-16	3/8 NPT
AD12-0808	13/16 ORFS MALE - 1/2 NPT MALE 90°	13/16-16	1/2 NPT
AD12-0812	13/16 ORFS MALE - 3/4 NPT MALE 90°	13/16-16	3/4 NPT
AD12-1008	1" ORFS MALE - 1/2 NPT MALE 90°	1-14	1/2 NPT
AD12-1012	1" ORFS MALE - 3/4 NPT MALE 90°	1-14	3/4 NPT
AD12-1208	1 3/16 ORFS MALE - 1/2 NPT MALE 90°	1 3/16-12	1/2 NPT
AD12-1212	1 3/16 ORFS MALE - 3/4 NPT MALE 90°	1 3/16-12	3/4 NPT
AD12-1216	1 3/16 ORFS MALE - 1" NPT MALE 90°	1 3/16-12	1" NPT
AD12-1616	1 7/16 ORFS MALE - 1" NPT MALE 90°	1 7/16-12	1" NPT
AD12-2020	1 11/16 ORFS MALE - 1 1/4 NPT MALE 90°	1 11/16-12	1 1/4 NPT
AD12-2424	2" ORFS MALE - 1 1/2 NPT MALE 90°	2-12	1 1/2 NPT



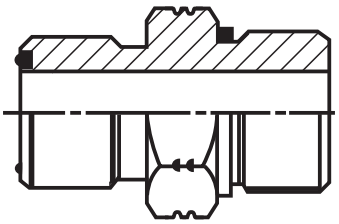
ORFS MALE - SAE MALE 45° ADAPTOR

ITEMS	DESCRIPTION	ORFS THREAD	SAE THREAD
AD13-0404	9/16 ORFS MALE - 7/16 SAE MALE 45°	9/16-18	7/16-20
AD13-0406	9/16 ORFS MALE - 9/16 SAE MALE 45°	9/16-18	9/16-18
AD13-0604	11/16 ORFS MALE - 7/16 SAE MALE 45°	11/16-16	7/16-20
AD13-0606	11/16 ORFS MALE - 9/16 SAE MALE 45°	11/16-16	9/16-18
AD13-0608	11/16 ORFS MALE - 3/4 SAE MALE 45°	11/16-16	3/4-16
AD13-0810	13/16 ORFS MALE - 7/8 SAE MALE 45°	13/16-16	7/8-14
AD13-0806	13/16 ORFS MALE - 9/16 SAE MALE 45°	13/16-16	9/16-18
AD13-0808	13/16 ORFS MALE - 3/4 SAE MALE 45°	13/16-16	3/4-16
AD13-1008	1" ORFS MALE - 3/4 SAE MALE 45°	1-14	3/4-16
AD13-1010	1" ORFS MALE - 7/8 SAE MALE 45°	1-14	7/8-14
AD13-1210	1 3/16 ORFS MALE - 7/8 SAE MALE 45°	1 3/16-12	7/8-14
AD13-1212	1 3/16 ORFS MALE - 1 1/16 SAE MALE 45°	1 3/16-12	1 1/16-12
AD13-1616	1 7/16 ORFS MALE - 1 5/16 SAE MALE 45°	1 7/16-12	1 5/16-12



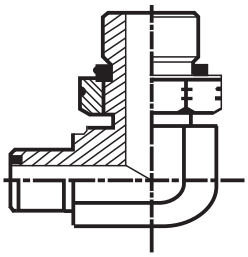
ORFS MALE - SAE MALE ADAPTOR

ITEMS	DESCRIPTION	ORFS THREAD	SAE THREAD
AD14-0404	9/16 ORFS MALE - 7/16 SAE MALE	9/16-18	7/16-20
AD14-0405	9/16 ORFS MALE - 1/2 SAE MALE	9/16-18	1/2-20
AD14-0406	9/16 ORFS MALE - 9/16 SAE MALE	9/16-18	9/16-18
AD14-0408	9/16 ORFS MALE - 3/4 SAE MALE	9/16-18	3/4-16
AD14-0604	11/16 ORFS MALE - 7/16 SAE MALE	11/16-16	7/16-20
AD14-0605	11/16 ORFS MALE - 1/2 SAE MALE	11/16-16	1/2-20
AD14-0606	11/16 ORFS MALE - 9/16 SAE MALE	11/16-16	9/16-18
AD14-0608	11/16 ORFS MALE - 3/4 SAE MALE	11/16-16	3/4-16
AD14-0610	11/16 ORFS MALE - 7/8 SAE MALE	11/16-16	7/8-14
AD14-0806	13/16 ORFS MALE - 9/16 SAE MALE	13/16-16	9/16-18
AD14-0808	13/16 ORFS MALE - 3/4 SAE MALE	13/16-16	3/4-16
AD14-0810	13/16 ORFS MALE - 7/8 SAE MALE	13/16-16	7/8-14
AD14-0812	13/16 ORFS MALE - 1 1/16 SAE MALE	13/16-16	1 1/16-12
AD14-1008	1" ORFS MALE - 3/4 SAE MALE	1-14	3/4-16
AD14-1010	1" ORFS MALE - 7/8 SAE MALE	1-14	7/8-14
AD14-1012	1" ORFS MALE - 1 1/16 SAE MALE	1-14	1 1/16-12
AD14-1208	1 3/16 ORFS MALE - 3/4 SAE MALE	1 3/16-12	3/4-16
AD14-1210	1 3/16 ORFS MALE - 7/8 SAE MALE	1 3/16-12	7/8-14
AD14-1212	1 3/16 ORFS MALE - 1 1/16 SAE MALE	1 3/16-12	1 1/16-12
AD14-1216	1 3/16 ORFS MALE - 1 5/16 SAE MALE	1 3/16-12	1 5/16-12
AD14-1612	1 7/16 ORFS MALE - 1 1/16 SAE MALE	1 7/16-12	1 1/16-12
AD14-1616	1 7/16 ORFS MALE - 1 5/16 SAE MALE	1 7/16-12	1 5/16-12
AD14-1620	1 7/16 ORFS MALE - 1 5/8 SAE MALE	1 7/16-12	1 5/8-12
AD14-2020	1 11/16 ORFS MALE - 1 5/8 SAE MALE	1 11/16-12	1 5/8-12



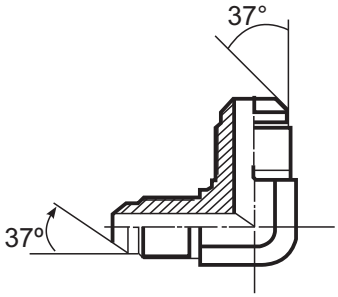
ORFS MALE - SAE MALE 90° ADAPTOR

ITEMS	DESCRIPTION	ORFS THREAD	SAE THREAD
AD15-0404	9/16 ORFS MALE - 7/16 SAE MALE 90°	9/16-18	7/16-20
AD15-0406	9/16 ORFS MALE - 9/16 SAE MALE 90°	9/16-18	9/16-18
AD15-0604	11/16 ORFS MALE - 7/16 SAE MALE 90°	11/16-16	7/16-20
AD15-0606	11/16 ORFS MALE - 9/16 SAE MALE 90°	11/16-16	9/16-18
AD15-0608	11/16 ORFS MALE - 3/4 SAE MALE 90°	11/16-16	3/4-16
AD15-0806	13/16 ORFS MALE - 9/16 SAE MALE 90°	13/16-16	9/16-18
AD15-0808	13/16 ORFS MALE - 3/4 SAE MALE 90°	13/16-16	3/4-16
AD15-0810	13/16 ORFS MALE - 7/8 SAE MALE 90°	13/16-16	7/8-14
AD15-0812	13/16 ORFS MALE - 1 1/16 SAE MALE 90°	13/16-16	1 1/16-12
AD15-1008	1" ORFS MALE - 3/4 SAE MALE 90°	1-14	3/4-16
AD15-1010	1" ORFS MALE - 7/8 SAE MALE 90°	1-14	7/8-14
AD15-1012	1" ORFS MALE - 1 1/16 SAE MALE 90°	1-14	1 1/16-12
AD15-1208	1 3/16 ORFS MALE - 3/4 SAE MALE 90°	1 3/16-12	3/4-16
AD15-1210	1 3/16 ORFS MALE - 7/8 SAE MALE 90°	1 3/16-12	7/8-14
AD15-1212	1 3/16 ORFS MALE - 1 1/16 SAE MALE 90°	1 3/16-12	1 1/16-12
AD15-1216	1 3/16 ORFS MALE - 1 5/16 SAE MALE 90°	1 3/16-12	1 5/16-12
AD15-1612	1 7/16 ORFS MALE - 1 1/16 SAE MALE 90°	1 7/16-12	1 1/16-12
AD15-1616	1 7/16 ORFS MALE - 1 5/16 SAE MALE 90°	1 7/16-12	1 5/16-12
AD15-2020	1 11/16 ORFS MALE - 1 5/8 SAE MALE 90°	1 11/16-12	1 5/8-12



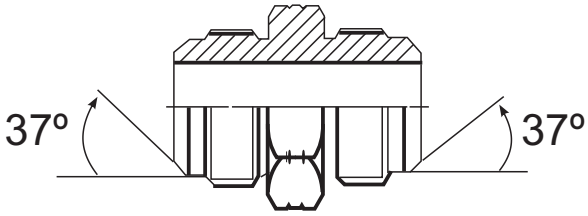
JIC MALE - JIC MALE 90° ADAPTOR

ITEMS	DESCRIPTION	JIC THREAD	JIC THREAD
AD16-04	7/16 JIC MALE - 7/16 JIC MALE 90°	7/16-20	7/16-20
AD16-05	1/2 JIC MALE - 1/2 JIC MALE 90°	1/2-20	1/2-20
AD16-06	9/16 JIC MALE - 9/16 JIC MALE 90°	9/16-18	9/16-18
AD16-08	3/4 JIC MALE - 3/4 JIC MALE 90°	3/4-16	3/4-16
AD16-10	7/8 JIC MALE - 7/8 JIC MALE 90°	7/8-14	7/8-14
AD16-12	1 1/16 JIC MALE - 1 1/16 JIC MALE 90°	1 1/16-12	1 1/16-12
AD16-16	1 5/16 JIC MALE - 1 5/16 JIC MALE 90°	1 5/16-12	1 5/16-12
AD16-20	1 5/8 JIC MALE - 1 5/8 JIC MALE 90°	1 5/8-12	1 5/8-12



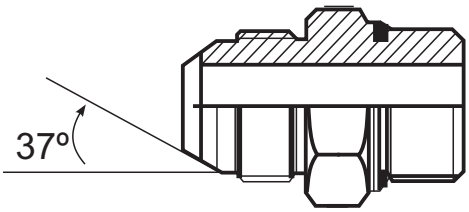
JIC MALE - JIC MALE ADAPTOR

ITEMS	DESCRIPTION	JIC THREAD	JIC THREAD
AD17-04	7/16 JIC MALE - 7/16 JIC MALE	7/16-20	7/16-20
AD17-0405	7/16 JIC MALE - 1/2-20 JIC MALE	7/16-20	1/2-20
AD17-0406	7/16 JIC MALE - 9/16 JIC MALE	7/16-20	9/16-18
AD17-0408	7/16 JIC MALE - 3/4 JIC MALE	7/16-20	3/4-16
AD17-05	1/2- JIC MALE - 1/2 JIC MALE	1/2-20	1/2-20
AD17-06	9/16 JIC MALE - 9/16 JIC MALE	9/16-18	9/16-18
AD17-0608	9/16 JIC MALE - 3/4 JIC MALE	9/16-18	3/4-16
AD17-08	3/4 JIC MALE - 3/4 JIC MALE	3/4-16	3/4-16
AD17-0810	3/4 JIC MALE - 7/8 JIC MALE	3/4-16	7/8-14
AD17-0812	3/4 JIC MALE - 1 1/16 JIC MALE	3/4-16	1 1/16-12
AD17-10	7/8 JIC MALE - 7/8 JIC MALE	7/8-14	7/8-14
AD17-1012	7/8 JIC MALE - 1 1/16 JIC MALE	7/8-14	1 1/16-12
AD17-1016	7/8 JIC MALE - 1 5/16 JIC MALE	7/8-14	1 5/16-12
AD17-12	1 1/16 JIC MALE - 1 1/16 JIC MALE	1 1/16-12	1 1/16-12
AD17-1216	1 1/16 JIC MALE - 1 5/16 JIC MALE	1 1/16-12	1 5/16-12
AD17-16	1 5/16 JIC MALE - 1 5/16 JIC MALE	1 5/16-12	1 5/16-12
AD17-1620	1 5/16 JIC MALE - 1 5/8 JIC MALE	1 5/16-12	1 5/8-12
AD17-20	1 5/8 JIC MALE - 1 5/8 JIC MALE	1 5/8-12	1 5/8-12
AD17-24	1 7/8 JIC MALE - 1 7/8 JIC MALE	1 7/8-12	1 7/8-12
AD17-32	2 1/2 JIC MALE - 2 1/2 JIC MALE	2 1/2-12	2 1/2-12



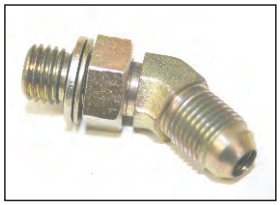
JIC MALE - METRIC MALE ADAPTOR

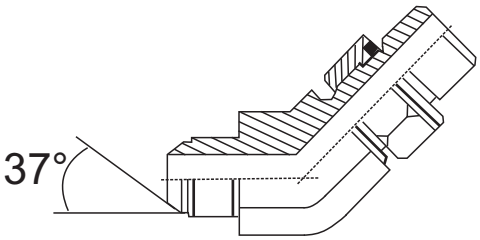
ITEMS	DESCRIPTION	JIC THREAD	METRIC THREAD
AD18-0412	7/16 JIC MALE - M12X1.5 MALE	7/16-20	M12X1.5
AD18-0422	7/16 JIC MALE - M22X1.5 MALE	7/16-20	M22X1.5
AD18-0512	1/2 JIC MALE - M12X1.5 MALE	1/2-20	M12X1.5
AD18-0612	9/16 JIC MALE - M12X1.5 MALE NO O-RING	9/16-18	M12X1.5
AD18-0614	9/16 JIC MALE - M14X1.5 MALE	9/16-18	M14X1.5
AD18-0616	9/16 JIC MALE - M16X1.5 MALE	9/16-18	M16X1.5
AD18-0618	9/16 JIC MALE - M18X1.5 MALE	9/16-18	M18X1.5
AD18-0814	3/4 JIC MALE - M14X1.5 MALE	3/4-16	M14X1.5
AD18-0816	3/4 JIC MALE - M16X1.5 MALE	3/4-16	M16X1.5
AD18-0818	3/4 JIC MALE - M18X1.5 MALE	3/4-16	M18X1.5
AD18-0822	3/4 JIC MALE - M22X1.5 MALE	3/4-16	M22X1.5
AD18-1018	7/8 JIC MALE - M18X1.5 MALE	7/8-14	M18X1.5
AD18-1018DW	7/8 JIC MALE - M18X1.5 MALE WITH DW	7/8-14	M18X1.5
AD18-1218	1 1/16 JIC MALE - M18X1.5 MALE	1 1/16-12	M18X1.5
AD18-1222	1 1/16 JIC MALE - M22X1.5 MALE	1 1/16-12	M22X1.5
AD18-1230	1 1/16 JIC MALE - M30X2.0 MALE WITH DW	1 1/16-12	M30X2.0



JIC MALE - METRIC MALE ADAPTOR 45°

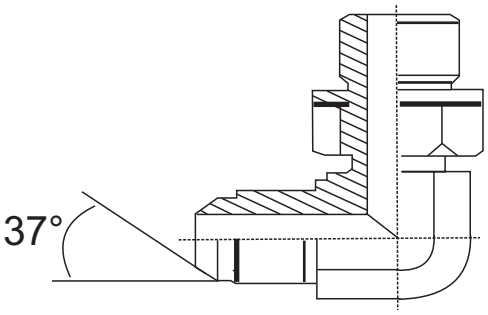
ITEMS	DESCRIPTION	JIC THREAD	METRIC THREAD
AD18-0512-45°	1/2 JIC MALE - M12X1.5 MALE 45°	1/2-20	M12X1.5





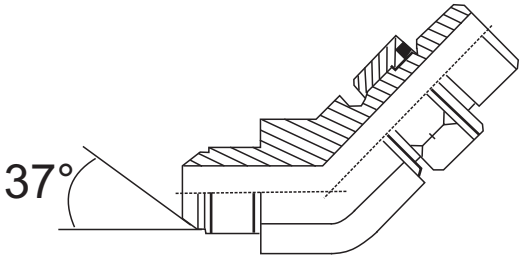
JIC MALE - METRIC MALE ADAPTOR 90°

ITEMS	DESCRIPTION	JIC THREAD	METRIC THREAD
AD18-0616-90°	9/16 JIC MALE - M16X1.5 MALE 90°	9/16-18	M16X1.5
AD18-0816-90°	3/4 JIC MALE - M16X1.5 MALE 90°	3/4-16	M16X1.5
AD18-0818-90°	3/4 JIC MALE - M18X1.5 MALE 90°	3/4-16	M18X1.5
AD18-0822-90°	3/4 JIC MALE - M22X1.5 MALE 90°	3/4-16	M22X1.5



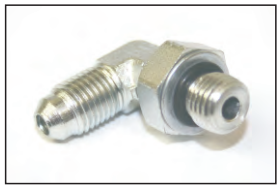
JIC MALE - BSP MALE ADAPTOR 45°

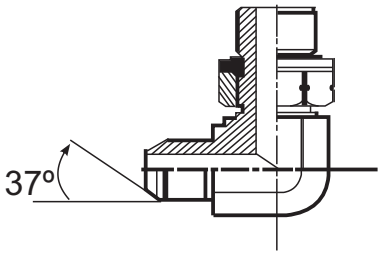
ITEMS	DESCRIPTION	JIC THREAD	BSP THREAD
AD19-04-45°	7/16 JIC MALE - 1/4 BSP MALE 45°	7/16-20	1/4 BSP
AD19-06-45°	9/16 JIC MALE - 3/8 BSP MALE 45°	9/16-18	3/8 BSP
AD19-08-45°	3/4 JIC MALE - 1/2 BSP MALE 45°	3/4-16	1/2 BSP
AD19-0806-45°	3/4 JIC MALE - 3/8 BSP MALE 45°	3/4-16	3/8 BSP
AD19-12-45°	1 1/16 JIC MALE - 3/4 BSP MALE 45°	1 1/16-12	3/4 BSP
AD19-16-45°	1 5/16 JIC MALE - 1" BSP MALE 45°	1 5/16-12	1" BSP



JIC MALE - BSP MALE ADAPTOR 90°

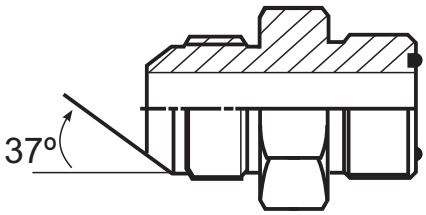
ITEMS	DESCRIPTION	JIC THREAD	BSP THREAD
AD19-0402	7/16 JIC MALE - 1/8 BSP MALE 90°	7/16-20	1/8 BSP
AD19-0404	7/16 JIC MALE - 1/4 BSP MALE 90°	7/16-20	1/4 BSP
AD19-0406	7/16 JIC MALE - 3/8 BSP MALE 90°	7/16-20	3/8 BSP
AD19-0604	9/16 JIC MALE - 1/4 BSP MALE 90°	9/16-18	1/4 BSP
AD19-0606	9/16 JIC MALE - 3/8 BSP MALE 90°	9/16-18	3/8 BSP
AD19-0608	9/16 JIC MALE - 1/2 BSP MALE 90°	9/16-18	1/2 BSP
AD19-0804	3/4 JIC MALE - 1/4 BSP MALE 90°	3/4-16	1/4 BSP
AD19-0806	3/4 JIC MALE - 3/8 BSP MALE 90°	3/4-16	3/8 BSP
AD19-0808	3/4 JIC MALE - 1/2 BSP MALE 90°	3/4-16	1/2 BSP
AD19-0810	3/4 JIC MALE - 5/8 BSP MALE 90°	3/4-16	5/8 BSP
AD19-0812	3/4 JIC MALE - 3/4 BSP MALE 90°	3/4-16	3/4 BSP
AD19-1006	7/8 JIC MALE - 3/8 BSP MALE 90°	7/8-14	3/8 BSP
AD19-1008	7/8 JIC MALE - 1/2 BSP MALE 90°	7/8-14	1/2 BSP
AD19-1012	7/8 JIC MALE - 3/4 BSP MALE 90°	7/8-14	3/4 BSP
AD19-1208	1 1/16 JIC MALE - 1/2 BSP MALE 90°	1 1/16-12	1/2 BSP
AD19-1212	1 1/16 JIC MALE - 3/4 BSP MALE 90°	1 1/16-12	3/4 BSP
AD19-1216	1 1/16 JIC MALE - 1" BSP MALE 90°	1 1/16-12	1" BSP
AD19-1612	1 5/16 JIC MALE - 3/4 BSP MALE 90°	1 5/16-12	3/4 BSP
AD19-1616	1 5/16 JIC MALE - 1" BSP MALE 90°	1 5/16-12	1" BSP
AD19-1620	1 5/16 JIC MALE 1 1/4 BSP MALE 90°	1 5/16-12	1 1/4 BSP
AD19-2016	1 5/8 JIC MALE - 1" BSP MALE 90°	1 5/8-12	1" BSP
AD19-2020	1 5/8 JIC MALE - 1 1/4 BSP MALE 90°	1 5/8-12	1 1/4 BSP
AD19-2424	1 7/8 JIC MALE - 1 1/2 BSP MALE 90°	1 7/8-12	1 1/2 BSP





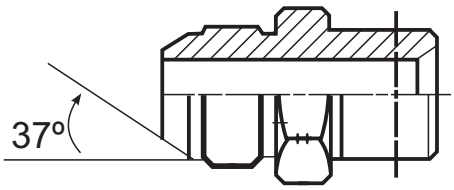
JIC MALE - ORFS MALE ADAPTOR

ITEMS	DESCRIPTION	JIC THREAD	ORFS THREAD
AD20-0606	9/16 JIC MALE - 11/16 ORFS MALE	9/16 -18	11/16-16
AD20-0808	3/4 JIC MALE - 13/16 ORFS MALE	3/4-16	13/16-16
AD20-1010	7/8 JIC MALE - 1" ORFS MALE	7/8-14	1-14
AD20-1212	1 1/16 JIC MALE - 1 3/16 ORFS MALE	1 1/16-12	1 3/16-12
AD20-1616	1 5/16 JIC MALE - 1 7/16 ORFS MALE	1 5/16-12	1 7/16-12



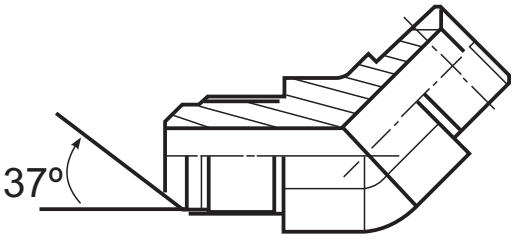
JIC MALE - NPT MALE ADAPTOR

ITEMS	DESCRIPTION	JIC THREAD	NPT THREAD
AD21-0402	7/16 JIC MALE - 1/8 NPT MALE	7/16-20	1/8 NPT
AD21-0404	7/16 JIC MALE - 1/4 NPT MALE	7/16-20	1/4 NPT
AD21-0406	7/16 JIC MALE - 3/8 NPT MALE	7/16-20	3/8 NPT
AD21-0408	7/16 JIC MALE - 1/2 NPT MALE	7/16-20	1/2 NPT
AD21-0502	1/2 JIC MALE - 1/8 NPT MALE	1/2-20	1/8 NPT
AD21-0504	1/2 JIC MALE - 1/4 NPT MALE	1/2-20	1/4 NPT
AD21-0506	1/2 JIC MALE - 3/8 NPT MALE	1/2-20	3/8 NPT
AD21-0602	9/16 JIC MALE - 1/8 NPT MALE	9/16-18	1/8 NPT
AD21-0604	9/16 JIC MALE - 1/4 NPT MALE	9/16-18	1/4 NPT
AD21-0606	9/16 JIC MALE - 3/8 NPT MALE	9/16-18	3/8 NPT
AD21-0608	9/16 JIC MALE - 1/2 NPT MALE	9/16-18	1/2 NPT
AD21-0612	9/16 JIC MALE - 3/4 NPT MALE	9/16-18	3/4 NPT
AD21-0804	3/4 JIC MALE - 1/4 NPT MALE	3/4-16	1/4 NPT
AD21-0806	3/4 JIC MALE - 3/8 NPT MALE	3/4-16	3/8 NPT
AD21-0808	3/4 JIC MALE - 1/2 NPT MALE	3/4-16	1/2 NPT
AD21-0812	3/4 JIC MALE - 3/4 NPT MALE	3/4-16	3/4 NPT
AD21-0816	3/4 JIC MALE - 1" NPT MALE	3/4-16	1" NPT
AD21-1006	7/8 JIC MALE - 3/8 NPT MALE	7/8-14	3/8 NPT
AD21-1008	7/8 JIC MALE - 1/2 NPT MALE	7/8-14	1/2 NPT
AD21-1012	7/8 JIC MALE - 3/4 NPT MALE	7/8-14	3/4 NPT
AD21-1206	1 1/16 JIC MALE - 3/8 NPT MALE	1 1/16-12	3/8 NPT
AD21-1208	1 1/16 JIC MALE - 1/2 NPT MALE	1 1/16-12	1/2 NPT
AD21-1212	1 1/16 JIC MALE - 3/4 NPT MALE	1 1/16-12	3/4 NPT
AD21-1216	1 1/16 JIC MALE - 1" NPT MALE	1 1/16-12	1" NPT
AD21-1220	1 1/16 JIC MALE - 1 1/4 NPT MALE	1 1/16-12	1 1/4 NPT
AD21-1606	1 5/16 JIC MALE - 3/8 NPT MALE	1 5/16-12	3/8 NPT
AD21-1608	1 5/16 JIC MALE - 1/2 NPT MALE	1 5/16-12	1/2 NPT
AD21-1612	1 5/16 JIC MALE - 3/4 NPT MALE	1 5/16-12	3/4 NPT
AD21-1616	1 5/16 JIC MALE - 1" NPT MALE	1 5/16-12	1" NPT
AD21-1620	1 5/16 JIC MALE - 1 1/4 NPT MALE	1 5/16-12	1 1/4 NPT
AD21-2012	1 5/8 JIC MALE - 3/4 NPT MALE	1 5/8-12	3/4 NPT
AD21-2016	1 5/8 JIC MALE - 1" NPT MALE	1 5/8-12	1" NPT
AD21-2020	1 5/8 JIC MALE - 1 1/4 NPT MALE	1 5/8-12	1 1/4 NPT
AD21-2024	1 5/8 JIC MALE - 1 1/2 NPT MALE	1 5/8-12	1 1/2 NPT
AD21-2420	1 7/8 JIC MALE - 1 1/4 NPT MALE	1 7/8-12	1 1/4 NPT
AD21-2424	1 7/8 JIC MALE - 1 1/2 NPT MALE	1 7/8-12	1 1/2 NPT
AD21-2432	1 7/8 JIC MALE - 2" NPT MALE	1 7/8-12	2" NPT
AD21-3224	2 1/2 JIC MALE - 1 1/2 NPT MALE	2 1/2-12	1 1/2 NPT
AD21-3232	2 1/2 JIC MALE - 2" NPT MALE	2 1/2-12	2" NPT



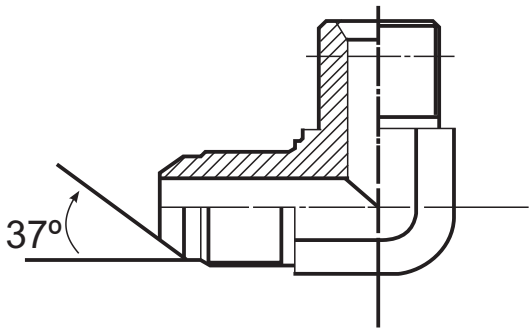
JIC MALE - NPT MALE 45°

ITEMS	DESCRIPTION	JIC THREAD	NPT THREAD
AD22-0402	7/16 JIC MALE - 1/8 NPT MALE 45°	7/16-20	1/8 NPT
AD22-0404	7/16 JIC MALE - 1/4 NPT MALE 45°	7/16-20	1/4 NPT
AD22-0406	7/16 JIC MALE - 3/8 NPT MALE 45°	7/16-20	3/8 NPT
AD22-0408	7/16 JIC MALE - 1/2 NPT MALE 45°	7/16-20	1/2 NPT
AD22-0502	1/2 JIC MALE - 1/8 NPT MALE 45°	1/2-20	1/8 NPT
AD22-0504	1/2 JIC MALE - 1/4 NPT MALE 45°	1/2-20	1/4 NPT
AD22-0602	9/16 JIC MALE - 1/8 NPT MALE 45°	9/16-18	1/8 NPT
AD22-0604	9/16 JIC MALE - 1/4 NPT MALE 45°	9/16-18	1/4 NPT
AD22-0606	9/16 JIC MALE - 3/8 NPT MALE 45°	9/16-18	3/8 NPT
AD22-0608	9/16 JIC MALE - 1/2 NPT MALE 45°	9/16-18	1/2 NPT
AD22-0804	3/4 JIC MALE - 1/4 NPT MALE 45°	3/4-16	1/4 NPT
AD22-0806	3/4 JIC MALE - 3/8 NPT MALE 45°	3/4-16	3/8 NPT
AD22-0808	3/4 JIC MALE - 1/2 NPT MALE 45°	3/4-16	1/2 NPT
AD22-0812	3/4 JIC MALE - 3/4 NPT MALE 45°	3/4-16	3/4 NPT
AD22-1008	7/8 JIC MALE - 1/2 NPT MALE 45°	7/8-14	1/2 NPT
AD22-1012	7/8 JIC MALE - 3/4 NPT MALE 45°	7/8-14	3/4 NPT
AD22-1208	1 1/16 JIC MALE - 1/2 NPT MALE 45°	1 1/16-12	1/2 NPT
AD22-1212	1 1/16 JIC MALE - 3/4 NPT MALE 45°	1 1/16-12	3/4 NPT
AD22-1216	1 1/16 JIC MALE - 1" NPT MALE 45°	1 1/16-12	1" NPT
AD22-1612	1 5/16 JIC MALE - 3/4 NPT MALE 45°	1 5/16-12	3/4 NPT
AD22-1616	1 5/16 JIC MALE - 1" NPT MALE 45°	1 5/16-12	1" NPT
AD22-1620	1 5/16 JIC MALE - 1 1/4 NPT MALE 45°	1 5/16-12	1 1/4 NPT
AD22-2016	1 5/8 JIC MALE - 1" NPT MALE 45°	1 5/8-12	1" NPT
AD22-2020	1 5/8 JIC MALE - 1 1/4 NPT MALE 45°	1 5/8-12	1 1/4 NPT
AD22-2424	1 7/8 JIC MALE - 1 1/2 NPT MALE 45°	1 7/8-12	1 1/2 NPT
AD22-3232	2 1/2 JIC MALE - 2" NPT MALE 45°	2 1/2-12	2" NPT



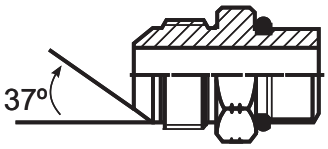
JIC MALE - NPT MALE ADAPTOR 90°

ITEMS	DESCRIPTION	JIC THREAD	NPT THREAD
AD23-0402	7/16 JIC MALE - 1/8 NPT MALE 90°	7/16-20	1/8 NPT
AD23-0404	7/16 JIC MALE - 1/4 NPT MALE 90°	7/16-20	1/4 NPT
AD23-0406	7/16 JIC MALE - 3/8 NPT MALE 90°	7/16-20	3/8 NPT
AD23-0408	7/16 JIC MALE - 1/2 NPT MALE 90°	7/16-20	1/2 NPT
AD23-0502	1/2 JIC MALE - 1/8 NPT MALE 90°	1/2-20	1/8 NPT
AD23-0504	1/2 JIC MALE - 1/4 NPT MALE 90°	1/2-20	1/4 NPT
AD23-0506	1/2 JIC MALE - 3/8 NPT MALE 90°	1/2-20	3/8 NPT
AD23-0602	9/16 JIC MALE - 1/8 NPT MALE 90°	9/16-18	1/8 NPT
AD23-0604	9/16 JIC MALE - 1/4 NPT MALE 90°	9/16-18	1/4 NPT
AD23-0606	9/16 JIC MALE - 3/8 NPT MALE 90°	9/16-18	3/8 NPT
AD23-0608	9/16 JIC MALE - 1/2 NPT MALE 90°	9/16-18	1/2 NPT
AD23-0804	3/4 JIC MALE - 1/4 NPT MALE 90°	3/4-16	1/4 NPT
AD23-0806	3/4 JIC MALE - 3/8 NPT MALE 90°	3/4-16	3/8 NPT
AD23-0808	3/4 JIC MALE - 1/2 NPT MALE 90°	3/4-16	1/2 NPT
AD23-0812	3/4 JIC MALE - 3/4 NPT MALE 90°	3/4-16	3/4 NPT
AD23-1006	7/8 JIC MALE - 3/8 NPT MALE 90°	7/8-14	3/8 NPT
AD23-1008	7/8 JIC MALE - 1/2 NPT MALE 90°	7/8-14	1/2 NPT
AD23-1012	7/8 JIC MALE - 3/4 NPT MALE 90°	7/8-14	3/4 NPT
AD23-1206	1 1/16 JIC MALE - 3/8 NPT MALE 90°	1 1/16-12	3/8 NPT
AD23-1208	1 1/16 JIC MALE - 1/2 NPT MALE 90°	1 1/16-12	1/2 NPT
AD23-1212	1 1/16 JIC MALE - 3/4 NPT MALE 90°	1 1/16-12	3/4 NPT
AD23-1216	1 1/16 JIC MALE - 1" NPT MALE 90°	1 1/16-12	1" NPT
AD23-1220	1 1/16 JIC MALE - 1 1/4 NPT MALE 90°	1 1/16-12	1 1/4 NPT
AD23-1612	1 5/16 JIC MALE - 3/4 NPT MALE 90°	1 5/16-12	3/4 NPT
AD23-1616	1 5/16 JIC MALE - 1" NPT MALE 90°	1 5/16-12	1" NPT
AD23-1620	1 5/16 JIC MALE - 1 1/4 NPT MALE 90°	1 5/16-12	1 1/4 NPT
AD23-2016	1 5/8 JIC MALE - 1" NPT MALE 90°	1 5/8-12	1" NPT
AD23-2020	1 5/8 JIC MALE - 1 1/4 NPT MALE 90°	1 5/8-12	1 1/4 NPT
AD23-2024	1 5/8 JIC MALE - 1 1/2 NPT MALE 90°	1 5/8-12	1 1/2 NPT
AD23-2420	1 7/8 JIC MALE - 1 1/4 NPT MALE 90°	1 7/8-12	1 1/4 NPT
AD23-2424	1 7/8 JIC MALE - 1 1/2 NPT MALE 90°	1 7/8-12	1 1/2 NPT
AD23-3232	2 1/2 JIC MALE - 2" NPT MALE 90°	2 1/2-12	2" NPT



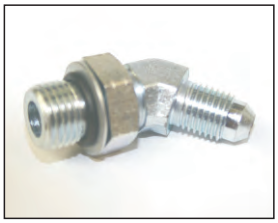
JIC MALE - SAE MALE ADAPTOR

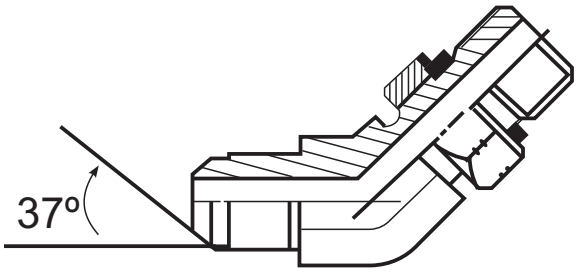
ITEMS	DESCRIPTION	JIC THREAD	SAE THREAD
AD24-0404	7/16 JIC MALE - 7/16 SAE MALE	7/16-20	7/16-20
AD24-0405	7/16 JIC MALE - 1/2 SAE MALE	7/16-20	1/2-20
AD24-0406	7/16 JIC MALE - 9/16 SAE MALE	7/16-20	9/16-18
AD24-0408	7/16 JIC MALE - 3/4 SAE MALE	7/16-20	3/4-16
AD24-0504	1/2 JIC MALE - 7/16 SAE MALE	1/2-20	7/16-20
AD24-0505	1/2 JIC MALE - 1/2 SAE MALE	1/2-20	1/2-20
AD24-0506	1/2 JIC MALE - 9/16 SAE MALE	1/2-20	9/16-18
AD24-0604	9/16 JIC MALE - 7/16 SAE MALE	9/16-18	7/16-20
AD24-0605	9/16 JIC MALE - 1/2 SAE MALE	9/16-18	1/2-20
AD24-0606	9/16 JIC MALE - 9/16 SAE MALE	9/16-18	9/16-18
AD24-0608	9/16 JIC MALE - 3/4 SAE MALE	9/16-18	3/4-16
AD24-0610	9/16 JIC MALE - 7/8 SAE MALE	9/16-18	7/8-14
AD24-0612	9/16 JIC MALE - 1 1/16 SAE MALE	9/16-18	1 1/16-12
AD24-0804	3/4 JIC MALE - 7/16 SAE MALE	3/4-16	7/16-20
AD24-0806	3/4 JIC MALE- 9/16 SAE MALE	3/4-16	9/16-18
AD24-0808	3/4 JIC MALE - 3/4 SAE MALE	3/4-16	3/4-16
AD24-0810	3/4 JIC MALE - 7/8 SAE MALE	3/4-16	7/8-14
AD24-0812	3/4 JIC MALE - 1 1/16 SAE MALE	3/4-16	1 1/16-12
AD24-0816	3/4 JIC MALE - 1 5/16 SAE MALE	3/4-16	1 5/16-12
AD24-1006	7/8 JIC MALE - 9/16 SAE MALE	7/8-14	9/16-18
AD24-1008	7/8 JIC MALE - 3/4 SAE MALE	7/8-14	3/4-16
AD24-1010	7/8 JIC MALE - 7/8 SAE MALE	7/8-14	7/8-14
AD24-1012	7/8 JIC MALE - 1 1/16 SAE MALE	7/8-14	1 1/16-12
AD24-1016	7/8 JIC MALE - 1 5/16 SAE MALE	7/8-14	1 5/16-12
AD24-1206	1 1/16 JIC MALE - 9/16 SAE MALE	1 1/16-12	9/16-18
AD24-1208	1 1/16 JIC MALE - 3/4 SAE MALE	1 1/16-12	3/4-16
AD24-1210	1 1/16 JIC MALE - 7/8 SAE MALE	1 1/16-12	7/8-14
AD24-1212	1 1/16 JIC MALE - 1 1/16 SAE MALE	1 1/16-12	1 1/16-12
AD24-1216	1 1/16 JIC MALE - 1 5/16 SAE MALE	1 1/16-12	1 5/16-12
AD24-1220	1 1/16 JIC MALE - 1 5/8 SAE MALE	1 1/16-12	1 5/8-12
AD24-1610	1 5/16 JIC MALE - 7/8 SAE MALE	1 5/16-12	7/8-14
AD24-1612	1 5/16 JIC MALE - 1 1/16 SAE MALE	1 5/16-12	1 1/16-12
AD24-1616	1 5/16 JIC MALE - 1 5/16 SAE MALE	1 5/16-12	1 5/16-12
AD24-1620	1 5/16 JIC MALE - 1 5/8 SAE MALE	1 5/16-12	1 5/8-12
AD24-2016	1 5/8 JIC MALE - 1 5/16 SAE MALE	1 5/8-12	1 5/16-12
AD24-2020	1 5/8 JIC MALE - 1 5/8 SAE MALE	1 5/8-12	1 5/8-12
AD24-2024	1 5/8 JIC MALE - 1 7/8 SAE MALE	1 5/8-12	1 7/8-12
AD24-2420	1 7/8 JIC MALE - 1 5/8 SAE MALE	1 7/8-12	1 5/8-12
AD24-2424	1 7/8 JIC MALE - 1 7/8 SAE MALE	1 7/8-12	1 7/8-12
AD24-3232	2 1/2 JIC MALE - 2 1/2 SAE MALE	2 1/2-12	2 1/2-12



JIC MALE - SAE MALE 45°

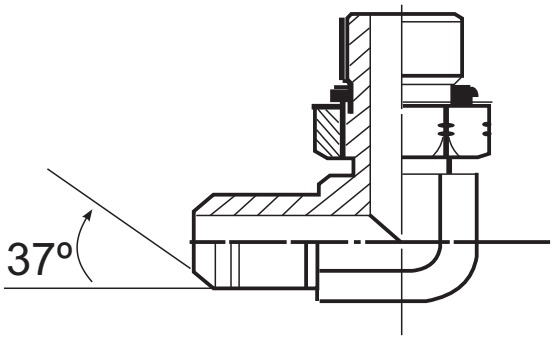
ITEMS	DESCRIPTION	JIC THREAD	SAE THREAD
AD25-0404	7/16 JIC MALE - 7/16 SAE MALE 45°	7/16-20	7/16-20
AD25-0406	7/16 JIC MALE - 9/16 SAE MALE 45°	7/16-20	9/16-18
AD25-0505	1/2 JIC MALE - 1/2 SAE MALE 45°	1/2-20	1/2-20
AD25-0606	9/16 JIC MALE - 9/16 SAE MALE 45°	9/16-18	9/16-18
AD25-0608	9/16 JIC MALE - 3/4 SAE MALE 45°	9/16-18	3/4-16
AD25-0806	3/4 JIC MALE - 9/16 SAE MALE 45°	3/4-16	9/16-18
AD25-0808	3/4 JIC MALE - 3/4 SAE MALE 45°	3/4-16	3/4-16
AD25-0810	3/4 JIC MALE - 7/8 SAE MALE 45°	3/4-16	7/8-14
AD25-1006	7/8 JIC MALE - 9/16 SAE MALE 45°	7/8-14	9/16-18
AD25-1008	7/8 JIC MALE - 3/4 SAE MALE 45°	7/8-14	3/4-16
AD25-1010	7/8 JIC MALE - 7/8 SAE MALE 45°	7/8-14	7/8-14
AD25-1012	7/8 JIC MALE - 1 1/16 SAE MALE 45°	7/8-14	1 1/16-12
AD25-1212	1 1/16 JIC MALE - 1 1/16 SAE MALE 45°	1 1/16-12	1 1/16-12
AD25-1210	1 1/16 JIC MALE - 7/8 SAE MALE 45°	1 1/16-12	7/8-14
AD25-1216	1 1/16 JIC MALE - 1 5/16 SAE MALE 45°	1 1/16-12	1 5/16-12
AD25-1616	1 5/16 JIC MALE - 1 5/16 SAE MALE 45°	1 5/16-12	1 5/16-12
AD25-2020	1 5/8 JIC MALE - 1 5/8 SAE MALE 45°	1 5/8-12	1 5/8-12
AD25-2424	1 7/8 JIC MALE - 1 7/8 SAE MALE 45°	1 7/8-12	1 7/8-12





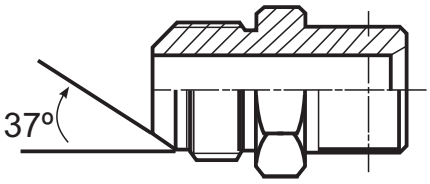
JIC MALE - SAE MALE 90°

ITEMS	DESCRIPTION	JIC THREAD	SAE THREAD
AD26-0404	7/16 JIC MALE - 7/16 SAE MALE 90°	7/16-20	7/16-20
AD26-0405	7/16 JIC MALE - 1/2 SAE MALE 90°	7/16-20	1/2-20
AD26-0406	7/16 JIC MALE - 9/16 SAE MALE 90°	7/16-20	9/16-18
AD26-0504	1/2 JIC MALE -7/16 SAE MALE 90°	1/2-20	7/16-20
AD26-0505	1/2 JIC MALE - 1/2 SAE MALE 90°	1/2-20	1/2-20
AD26-0506	1/2 JIC MALE - 9/16 SAE MALE 90°	1/2-20	9/16-18
AD26-0604	9/16 JIC MALE - 7/16 SAE MALE 90°	9/16-18	7/16-20
AD26-0605	9/16 JIC MALE- 1/2 SAE MALE 90°	9/16-18	1/2-20
AD26-0606	9/16 JIC MALE - 9/16 SAE MALE 90°	9/16-18	9/16-18
AD26-0608	9/16 JIC MALE - 3/4 SAE MALE 90°	9/16-18	3/4-16
AD26-0610	9/16 JIC MALE - 7/8 SAE MALE 90°	9/16-18	7/8-14
AD26-0804	3/4 JIC MALE - 7/16 SAE MALE 90°	3/4-16	7/16-20
AD26-0806	3/4 JIC MALE - 9/16 SAE MALE 90°	3/4-16	9/16-18
AD26-0808	3/4 JIC MALE - 3/4 SAE MALE 90°	3/4-16	3/4-16
AD26-0810	3/4 JIC MALE - 7/8 SAE MALE 90°	3/4-16	7/8-14
AD26-0812	3/4 JIC MALE - 1 1/16 SAE MALE 90°	3/4-16	1 1/16-12
AD26-1006	7/8 JIC MALE - 9/16 SAE MALE 90°	7/8-14	9/16-18
AD26-1008	7/8 JIC MALE - 3/4 SAE MALE 90°	7/8-14	3/4-16
AD26-1010	7/8 JIC MALE - 7/8 SAE MALE 90°	7/8-14	7/8-14
AD26-1012	7/8 JIC MALE - 1 1/16 SAE MALE 90°	7/8-14	1 1/16-12
AD26-1208	1 1/16 JIC MALE - 3/4 SAE MALE 90°	1 1/16-12	3/4-16
AD26-1210	1 1/16 JIC MALE - 7/8 SAE MALE 90°	1 1/16-12	7/8-14
AD26-1212	1 1/16 JIC MALE - 1 1/16 SAE MALE 90°	1 1/16-12	1 1/16-12
AD26-1216	1 1/16 JIC MALE - 1 5/16 SAE MALE 90°	1 1/16-12	1 5/16-12
AD26-1610	1 5/16 JIC MALE - 7/8 SAE MALE 90°	1 5/16-12	7/8-14
AD26-1612	1 5/16 JIC MALE - 1 1/16 SAE MALE 90°	1 5/16-12	1 1/16-12
AD26-1616	1 5/16 JIC MALE - 1 5/16 SAE MALE 90°	1 5/16-12	1 5/16-12
AD26-1620	1 5/16 JIC MALE - 1 5/8 SAE MALE 90°	1 5/16-12	1 5/8-12
AD26-2016	1 5/8 JIC MALE - 1 5/16 SAE MALE 90°	1 5/8-12	1 5/16-12
AD26-2020	1 5/8 JIC MALE - 1 5/8 SAE MALE 90°	1 5/8-12	1 5/8-12
AD26-2024	1 5/8 JIC MALE - 1 7/8 SAE MALE 90°	1 5/8-12	1 7/8-12
AD26-2424	1 7/8 JIC MALE - 1 7/8 SAE MALE 90°	1 7/8-12	1 7/8-12



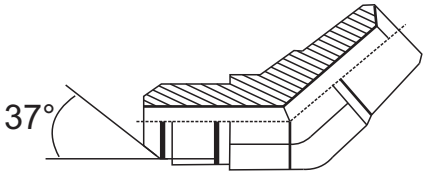
JIC MALE - BSPT MALE ADAPTOR

ITEMS	DESCRIPTION	JIC THREAD	BSPT THREAD
AD27-0402	7/16 JIC MALE - 1/8 BSPT MALE	7/16-20	1/8 BSPT
AD27-0404	7/16 JIC MALE - 1/4 BSPT MALE	7/16-20	1/4 BSPT
AD27-0406	7/16 JIC MALE - 3/8 BSPT MALE	7/16-20	3/8 BSPT
AD27-0408	7/16 JIC MALE - 1/2 BSPT MALE	7/16-20	1/2 BSPT
AD27-0502	1/2 JIC MALE - 1/8 BSPT MALE	1/2-20	1/8 BSPT
AD27-0602	9/16 JIC MALE - 1/8 BSPT MALE	9/16-18	1/8 BSPT
AD27-0604	9/16 JIC MALE - 1/4 BSPT MALE	9/16-18	1/4 BSPT
AD27-0606	9/16 JIC MALE - 3/8 BSPT MALE	9/16-18	3/8 BSPT
AD27-0608	9/16 JIC MALE - 1/2 BSPT MALE	9/16-18	1/2 BSPT
AD27-0804	3/4 JIC MALE - 1/4 BSPT MALE	3/4-16	1/4 BSPT
AD27-0806	3/4 JIC MALE - 3/8 BSPT MALE	3/4-16	3/8 BSPT
AD27-0808	3/4 JIC MALE - 1/2 BSPT MALE	3/4-16	1/2 BSPT
AD27-0812	3/4 JIC MALE - 3/4 BSPT MALE	3/4-16	3/4 BSPT
AD27-0816	3/4 JIC MALE - 1" BSPT MALE	3/4-16	1" BSPT
AD27-1006	7/8 JIC MALE - 3/8 BSPT MALE	7/8-14	3/8 BSPT
AD27-1008	7/8 JIC MALE - 1/2 BSPT MALE	7/8-14	1/2 BSPT
AD27-1012	7/8 JIC MALE - 3/4 BSPT MALE	7/8-14	3/4 BSPT
AD27-1208	1 1/16 JIC MALE - 1/2 BSPT MALE	1 1/16-12	1/2 BSPT
AD27-1212	1 1/16 JIC MALE - 3/4 BSPT MALE	1 1/16-12	3/4 BSPT
AD27-1216	1 1/16 JIC MALE - 1" BSPT MALE	1 1/16-12	1" BSPT
AD27-1612	1 5/16 JIC MALE - 3/4 BSPT MALE	1 5/16-12	3/4 BSPT
AD27-1616	1 5/16 JIC MALE - 1" BSPT MALE	1 5/16-12	1" BSPT
AD27-1620	1 5/16 JIC MALE - 1 1/4 BSPT MALE	1 5/16-12	1 1/4 BSPT
AD27-2020	1 5/8 JIC MALE - 1 1/4 BSPT MALE	1 5/8-12	1 1/4 BSPT
AD27-2424	1 7/8 JIC MALE - 1 1/2 BSPT MALE	1 7/8-12	1 1/2 BSPT



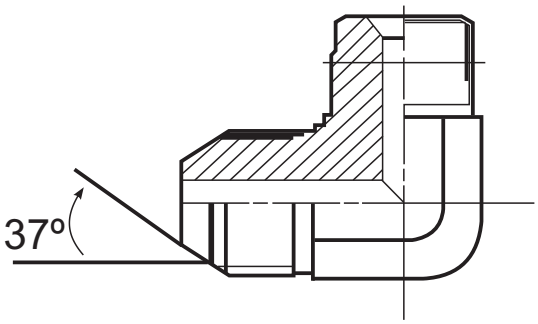
JIC MALE - BSPT MALE ADAPTOR 45°

ITEMS	DESCRIPTION	JIC THREAD	BSPT THREAD
AD27-0408-45°	7/16 JIC MALE - 1/2 BSPT MALE 45°	7/16-20	1/2 BSPT



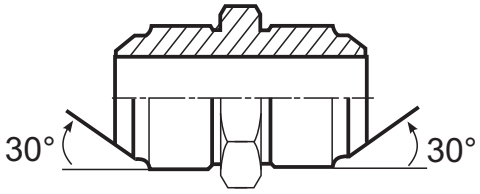
JIC MALE - BSPT MALE 90°

ITEMS	DESCRIPTION	JIC THREAD	BSPT THREAD
AD28-0402	7/16 JIC MALE - 1/8 BSPT MALE 90°	7/16-20	1/8 BSPT
AD28-0404	7/16 JIC MALE - 1/4 BSPT MALE 90°	7/16-20	1/4 BSPT
AD28-0406	7/16 JIC MALE - 3/8 BSPT MALE 90°	7/16-20	3/8 BSPT
AD28-0408	7/16 JIC MALE - 1/2 BSPT MALE 90°	7/16-20	1/2 BSPT
AD28-0502	1/2 JIC MALE - 1/8 BSPT MALE 90°	1/2-20	1/8 BSPT
AD28-0504	1/2 JIC MALE - 1/4 BSPT MALE 90°	1/2-20	1/4 BSPT
AD28-0602	9/16 JIC MALE - 1/8 BSPT MALE 90°	9/16-18	1/8 BSPT
AD28-0604	9/16 JIC MALE - 1/4 BSPT MALE 90°	9/16-18	1/4 BSPT
AD28-0606	9/16 JIC MALE - 3/8 BSPT MALE 90°	9/16-18	3/8 BSPT
AD28-0608	9/16 JIC MALE - 1/2 BSPT MALE 90°	9/16-18	1/2 BSPT
AD28-0804	3/4 JIC MALE - 1/4 BSPT MALE 90°	3/4-16	1/4 BSPT
AD28-0806	3/4 JIC MALE - 3/8 BSPT MALE 90°	3/4-16	3/8 BSPT
AD28-0808	3/4 JIC MALE - 1/2 BSPT MALE 90°	3/4-16	1/2 BSPT
AD28-1008	7/8 JIC MALE - 1/2 BSPT MALE 90°	7/8-14	1/2 BSPT
AD28-1012	7/8 JIC MALE - 3/4 BSPT MALE 90°	7/8-14	3/4 BSPT
AD28-1016	7/8 JIC MALE - 1" BSPT MALE 90°	7/8-14	1" BSPT
AD28-1208	1 1/16 JIC MALE - 1/2 BSPT MALE 90°	1 1/16-12	1/2 BSPT
AD28-1212	1 1/16 JIC MALE - 3/4 BSPT MALE 90°	1 1/16-12	3/4 BSPT
AD28-1216	1 1/16 JIC MALE - 1" BSPT MALE 90°	1 1/16-12	1" BSPT
AD28-1612	1 5/16 JIC MALE - 3/4 BSPT MALE 90°	1 5/16-12	3/4 BSPT
AD28-1616	1 5/16 JIC MALE - 1" BSPT MALE 90°	1 5/16-12	1" BSPT
AD28-1620	1 5/16 JIC MALE - 1 1/4 BSPT MALE 90°	1 5/16-12	1 1/4 BSPT
AD28-2016	1 5/8 JIC MALE - 1" BSPT MALE 90°	1 5/8-12	1" BSPT
AD28-2020	1 5/8 JIC MALE - 1 1/4 BSPT MALE 90°	1 5/8-12	1 1/4 BSPT
AD28-2424	1 7/8 JIC MALE - 1 1/2 BSPT MALE 90°	1 7/8-12	1 1/2 BSPT
AD28-3232	2 1/2 JIC MALE - 2" BSPT MALE 90°	2 1/2-12	2" BSPT



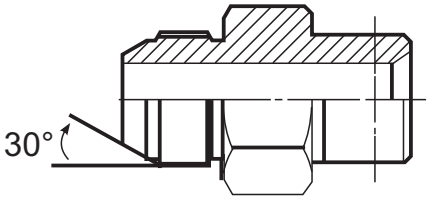
KOMATSU MALE - KOMATSU MALE ADAPTOR

ITEMS	DESCRIPTION	METRIC THREAD	METRIC THREAD
AD29-14	14X1.5 - 14X1.5 KOMATSU MALE	14X1.5	14X1.5
AD29-18	18X1.5 - 18X1.5 KOMATSU MALE	18X1.5	18X1.5
AD29-22	22X1.5 - 22X1.5 KOMATSU MALE	22X1.5	22X1.5
AD29-24	24X1.5 - 24X1.5 KOMATSU MALE	24X1.5	24X1.5
AD29-30	30X1.5 - 30X1.5 KOMATSU MALE	30X1.5	30X1.5
AD29-33	33X1.5 - 33X1.5 KOMATSU MALE	33X1.5	33X1.5



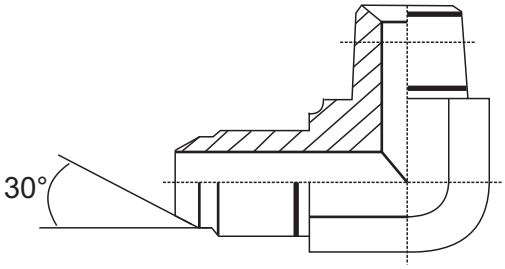
KOMATSU MALE - BSPT MALE ADAPTOR

ITEMS	DESCRIPTION	METRIC THREAD	BSPT THREAD
AD30-1404	14X1.5 KOMATSU - 1/4 BSPT MALE	14X1.5	1/4 BSPT
AD30-1806	18X1.5 KOMATSU - 3/8 BSPT MALE	18X1.5	3/8 BSPT
AD30-2208	22X1.5 KOMATSU - 1/2 BSPT MALE	22X1.5	1/2 BSPT
AD30-2408	24X1.5 KOMATSU - 1/2 BSPT MALE	24X1.5	1/2 BSPT
AD30-3012	30X1.5 KOMATSU - 3/4 BSPT MALE	30X1.5	3/4 BSPT



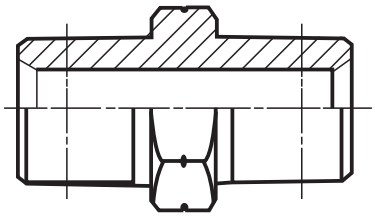
KOMATSU MALE - BSPT MALE ADAPTOR 90°

ITEMS	DESCRIPTION	METRIC THREAD	BSPT THREAD
AD30-1402-90°	14X1.5 KOMATSU - 1/8 BSPT MALE 90°	14X1.5	1/8 BSPT



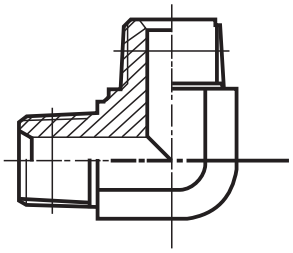
NPT MALE - NPT MALE ADAPTORS

ITEMS	DESCRIPTION	NPT THREAD	NPT THREAD
AD31-02	1/8 NPT MALE - 1/8 NPT MALE	1/8 NPT	1/8 NPT
AD31-0204	1/8 NPT MALE - 1/4 NPT MALE	1/8 NPT	1/4 NPT
AD31-0206	1/8 NPT MALE - 3/8 NPT MALE	1/8 NPT	3/8 NPT
AD31-04	1/4 NPT MALE - 1/4 NPT MALE	1/4 NPT	1/4 NPT
AD31-0406	1/4 NPT MALE - 3/8 NPT MALE	1/4 NPT	3/8 NPT
AD31-0408	1/4 NPT MALE - 1/2 NPT MALE	1/4 NPT	1/2 NPT
AD31-06	3/8 NPT MALE - 3/8 NPT MALE	3/8 NPT	3/8 NPT
AD31-0608	3/8 NPT MALE - 1/2 NPT MALE	3/8 NPT	1/2 NPT
AD31-0612	3/8 NPT MALE - 3/4 NPT MALE	3/8 NPT	3/4 NPT
AD31-08	1/2 NPT MALE - 1/2 NPT MALE	1/2 NPT	1/2 NPT
AD31-0812	1/2 NPT MALE - 3/4 NPT MALE	1/2 NPT	3/4 NPT
AD31-0816	1/2 NPT MALE - 1" NPT MALE	1/2 NPT	1" NPT
AD31-12	3/4 NPT MALE - 3/4 NPT MALE	3/4 NPT	3/4 NPT
AD31-1216	3/4 NPT MALE - 1" NPT MALE	3/4 NPT	1" NPT
AD31-1220	3/4 NPT MALE - 1 1/4 NPT MALE	3/4 NPT	1 1/4 NPT
AD31-16	1" NPT MALE - 1" NPT MALE	1" NPT	1" NPT
AD31-1620	1" NPT MALE - 1 1/4 NPT MALE	1" NPT	1 1/4 NPT
AD31-1624	1" NPT MALE - 1 1/2 NPT MALE	1" NPT	1 1/2 NPT
AD31-20	1 1/4 NPT MALE - 1 1/4 NPT MALE	1 1/4 NPT	1 1/4 NPT
AD31-2024	1 1/4 NPT MALE - 1 1/2 NPT MALE	1 1/4 NPT	1 1/2 NPT
AD31-24	1 1/2 NPT MALE - 1 1/2 NPT MALE	1 1/2 NPT	1 1/2 NPT
AD31-2432	1 1/2 NPT MALE - 2" NPT MALE	1 1/2 NPT	2" NPT
AD31-32	2" NPT MALE - 2" NPT MALE	2" NPT	2" NPT



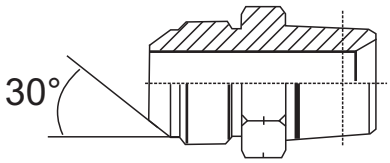
NPT MALE - NPT MALE ADAPTOR 90°

ITEMS	DESCRIPTION	NPT THREAD	NPT THREAD
AD32-02	1/8 NPT MALE - 1/8 NPT MALE 90°	1/8 NPT	1/8 NPT
AD32-0204	1/8 NPT MALE - 1/4 NPT MALE 90°	1/8 NPT	1/4 NPT
AD32-04	1/4 NPT MALE - 1/4 NPT MALE 90°	1/4 NPT	1/4 NPT
AD32-06	3/8 NPT MALE - 3/8 NPT MALE 90°	3/8 NPT	3/8 NPT
AD32-08	1/2 NPT MALE - 1/2 NPT MALE 90°	1/2 NPT	1/2 NPT
AD32-12	3/4 NPT MALE - 3/4 NPT MALE 90°	3/4 NPT	3/4 NPT
AD32-16	1" NPT MALE - 1" NPT MALE 90°	1" NPT	1" NPT
AD32-20	1 1/4 NPT MALE - 1 1/4 NPT MALE 90°	1 1/4 NPT	1 1/4 NPT
AD32-24	1 1/2 NPT MALE - 1 1/2 NPT MALE 90°	1 1/2 NPT	1 1/2 NPT
AD32-32	2" NPT MALE - 2" NPT MALE 90°	2" NPT	2" NPT



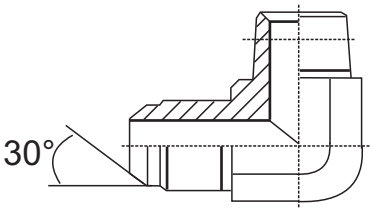
JIS MALE - BSPT MALE ADAPTOR

ITEMS	DESCRIPTION	JIS THREAD	BSPT THREAD
AD33-0404	1/4 JIS MALE - 1/4 BSPT MALE	1/4 JIS	1/4 BSPT
AD33-0606	3/8 JIS MALE - 3/8 BSPT MALE	3/8 JIS	3/8 BSPT
AD33-0808	1/2 JIS MALE - 1/2 BSPT MALE	1/2 JIS	1/2 BSPT
AD33-1212	3/4 JIS MALE - 3/4 BSPT MALE	3/4 JIS	3/4 BSPT



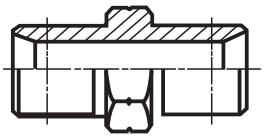
JIS MALE - BSPT MALE ADAPTOR 90°

ITEMS	DESCRIPTION	JIS THREAD	BSPT THREAD
AD34-0404	1/4 JIS MALE - 1/4 BSPT MALE 90°	1/4 JIS	1/4 BSPT
AD34-0606	3/8 JIS MALE - 3/8 BSPT MALE 90°	3/8 JIS	3/8 BSPT
AD34-0808	1/2 JIS MALE - 1/2 BSPT MALE 90°	1/2 JIS	1/2 BSPT
AD34-1212	3/4 JIS MALE - 3/4 BSPT MALE 90°	3/4 JIS	3/4 BSPT



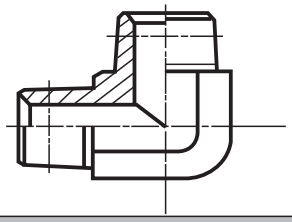
BSPT MALE - BSPT MALE ADAPTOR

ITEMS	DESCRIPTION	BSPT THREAD	BSPT THREAD
AD35-02	1/8 BSPT MALE - 1/8 BSPT MALE	1/8 BSPT	1/8 BSPT
AD35-0204	1/8 BSPT MALE - 1/4 BSPT MALE	1/8 BSPT	1/4 BSPT
AD35-0206	1/8 BSPT MALE - 3/8 BSPT MALE	1/8 BSPT	3/8 BSPT
AD35-04	1/4 BSPT MALE - 1/4 BSPT MALE	1/4 BSPT	1/4 BSPT
AD35-0406	1/4 BSPT MALE - 3/8 BSPT MALE	1/4 BSPT	3/8 BSPT
AD35-0408	1/4 BSPT MALE - 1/2 BSPT MALE	1/4 BSPT	1/2 BSPT
AD35-06	3/8 BSPT MALE - 3/8 BSPT MALE	3/8 BSPT	3/8 BSPT
AD35-0608	3/8 BSPT MALE - 1/2 BSPT MALE	3/8 BSPT	1/2 BSPT
AD35-0612	3/8 BSPT MALE - 3/4 BSPT MALE	3/8 BSPT	3/4 BSPT
AD35-08	1/2 BSPT MALE - 1/2 BSPT MALE	1/2 BSPT	1/2 BSPT
AD35-0812	1/2 BSPT MALE - 3/4 BSPT MALE	1/2 BSPT	3/4 BSPT
AD35-0816	1/2 BSPT MALE - 1" BSPT MALE	1/2 BSPT	1" BSPT
AD35-12	3/4 BSPT MALE - 3/4 BSPT MALE	3/4 BSPT	3/4 BSPT
AD35-1216	3/4 BSPT MALE - 1" BSPT MALE	3/4 BSPT	1" BSPT
AD35-1220	3/4 BSPT MALE - 1 1/4 BSPT MALE	3/4 BSPT	1 1/4 BSPT
AD35-16	1" BSPT MALE - 1" BSPT MALE	1" BSPT	1" BSPT
AD35-1620	1" BSPT MALE - 1 1/4 BSPT MALE	1" BSPT	1 1/4 BSPT
AD35-20	1 1/4 BSPT MALE - 1 1/4 BSPT MALE	1 1/4 BSPT	1 1/4 BSPT
AD35-2024	1 1/4 BSPT MALE - 1 1/2 BSPT MALE	1 1/4 BSPT	1 1/2 BSPT
AD35-24	1 1/2 BSPT MALE - 1 1/2 BSPT MALE	1 1/2 BSPT	1 1/2 BSPT
AD35-2432	1 1/2 BSPT MALE - 2" BSPT MALE	1 1/2 BSPT	2" BSPT
AD35-32	2" BSPT MALE - 2" BSPT MALE	2" BSPT	2" BSPT



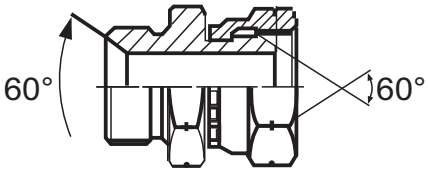
BSPT MALE - BSPT MALE ADAPTOR 90°

ITEMS	DESCRIPTION	BSPT THREAD	BSPT THREAD
AD36-02	1/8 BSPT MALE - 1/8 BSPT MALE 90°	1/8 BSPT	1/8 BSPT
AD36-0204	1/8 BSPT MALE - 1/4 BSPT MALE 90°	1/8 BSPT	1/4 BSPT
AD36-04	1/4 BSPT MALE - 1/4 BSPT MALE 90°	1/4 BSPT	1/4 BSPT
AD36-06	3/8 BSPT MALE - 3/8 BSPT MALE 90°	3/8 BSPT	3/8 BSPT
AD36-0608	3/8 BSPT MALE - 1/2 BSPT MALE 90°	3/8 BSPT	1/2 BSPT
AD36-08	1/2 BSPT MALE - 1/2 BSPT MALE 90°	1/2 BSPT	1/2 BSPT
AD35-0812	1/2 BSPT MALE - 3/4 BSPT MALE 90°	1/2 BSPT	3/4 BSPT
AD35-12	3/4 BSPT MALE - 3/4 BSPT MALE 90°	3/4 BSPT	3/4 BSPT
AD35-16	1" BSPT MALE - 1" BSPT MALE 90°	1" BSPT	1" BSPT



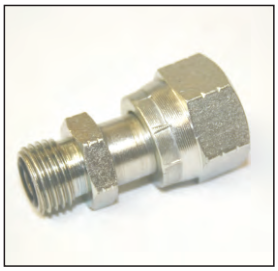
BSP MALE - BSP FEMALE SWIVEL ADAPTOR

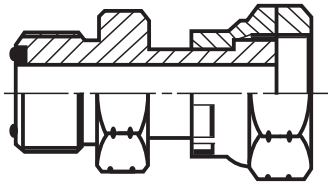
ITEMS	DESCRIPTION	BSP MALE	BSP FEMALE
AD37-0204	1/8 BSP MALE - 1/4 BSP FEMALE	1/8 BSP	1/4 BSP
AD37-04	1/4 BSP MALE - 1/4 BSP FEMALE	1/4 BSP	1/4 BSP
AD37-0406	1/4 BSP MALE - 3/8 BSP FEMALE	1/4 BSP	3/8 BSP
AD37-06	3/8 BSP MALE - 3/8 BSP FEMALE	3/8 BSP	3/8 BSP
AD37-0608	3/8 BSP MALE - 1/2 BSP FEMALE	3/8 BSP	1/2 BSP
AD37-0806	1/2 BSP MALE - 3/8 BSP FEMALE	1/2 BSP	3/8 BSP
AD37-08	1/2 BSP MALE - 1/2 BSP FEMALE	1/2 BSP	1/2 BSP
AD37-0812	1/2 BSP MALE - 3/4 BSP FEMALE	1/2 BSP	3/4 BSP
AD37-12	3/4 BSP MALE - 3/4 BSP FEMALE	3/4 BSP	3/4 BSP
AD37-1216	3/4 BSP MALE - 1" BSP FEMALE	3/4 BSP	1" BSP
AD37-16	1" BSP MALE - 1" BSP FEMALE	1" BSP	1" BSP



ORFS MALE - ORFS FEMALE SWIVEL ADAPTOR

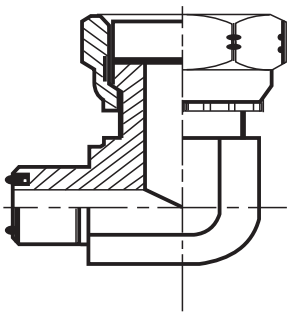
ITEMS	DESCRIPTION	ORFS MALE	ORFS FEMALE
AD38-0406	9/16 ORFS MALE - 11/16 ORFS FEMALE	9/16-18	11/16-16
AD38-0408	9/16 ORFS MALE - 13/16 ORFS FEMALE	9/16-18	13/16-16
AD38-0604	11/16 ORFS MALE - 9/16 ORFS FEMALE	11/16-16	9/16-18
AD38-0608	11/16 ORFS MALE - 13/16 ORFS FEMALE	11/16-16	13/16-16
AD38-0610	11/16 ORFS MALE - 1" ORFS FEMALE	11/16-16	1-14
AD38-0806	13/16 ORFS MALE - 11/16 ORFS FEMALE	13/16-16	11/16-16
AD38-0810	13/16 ORFS MALE - 1" ORFS FEMALE	13/16-16	1-14
AD38-0812	13/16 ORFS MALE - 1 3/16 ORFS FEMALE	13/16-16	1 3/16-12
AD38-0816	13/16 ORFS MALE -1 7/16 ORFS FEMALE	13/16-16	1 7/16-12
AD38-1008	1" ORFS MALE - 13/16 ORFS FEMALE	1-14	13/16-16
AD38-1012	1" ORFS MALE - 1 3/16 ORFS FEMALE	1-14	1 3/16-12
AD38-1016	1" ORFS MALE - 1 7/16 ORFS FEMALE	1-14	1 7/16-12
AD38-1208	1 3/16 ORFS MALE - 13/16 ORFS FEMALE	1 3/16-12	13/16-16
AD38-1210	1 3/16 ORFS MALE - 1" ORFS FEMALE	1 3/16-12	1-14
AD38-1216	1 3/16 ORFS MALE - 1 7/16 ORFS FEMALE	1 3/16-12	1 7/16-12
AD38-1612	1 7/16 ORFS MALE - 1 3/16 ORFS FEMALE	1 7/16-12	1 3/16-12
AD38-1620	1 7/16 ORFS MALE - 1 11/16 ORFS FEMALE	1 7/16-12	1 11/16-12
AD38-2024	1 11/16 ORFS MALE - 2" ORFS FEMALE	1 11/16-12	2-12





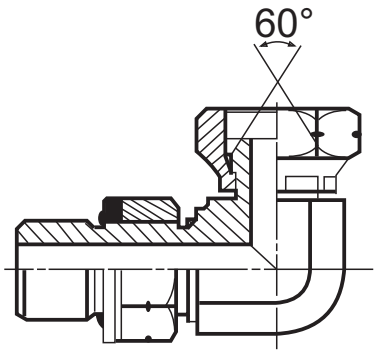
ORFS MALE - ORFS FEMALE ADAPTOR 90°

ITEMS	DESCRIPTION	ORFS MALE	ORFS FEMALE
AD39-04	9/16 ORFS MALE - 9/16 ORFS FEMALE 90°	9/16-18	9/16-18
AD39-06	11/16 ORFS MALE - 11/16 ORFS FEMALE 90°	11/16-16	11/16-16
AD39-08	13/16 ORFS MALE - 13/16 ORFS FEMALE 90°	13/16-16	13/16-16
AD39-10	1" ORFS MALE - 1" ORFS FEMALE 90°	1-14	1-14
AD39-12	1 3/16 ORFS MALE - 1 3/16 ORFS FEMALE 90°	1 3/16-12	1 3/16-12
AD39-16	1 7/16 ORFS MALE - 1 7/16 ORFS FEMALE 90°	1 7/16-12	1 7/16-12
AD39-20	1 11/16 ORFS MALE - 1 11/16 ORFS FEMALE 90°	1 11/16-12	1 11/16-12
AD39-24	2" ORFS MALE - 2" ORFS FEMALE 90°	2-12	2-12



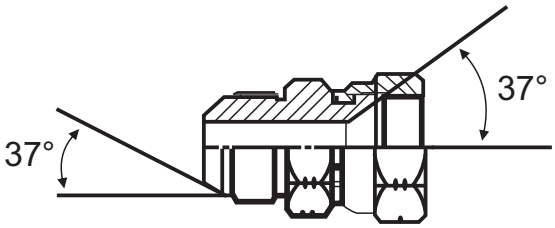
BSP MALE - BSP FEMALE SWIVEL ADAPTOR 90°

ITEMS	DESCRIPTION	BSP MALE	BSP FEMALE
AD40-04	1/4 BSP MALE - 1/4 BSP FEMALE 90°	1/4 BSP	1/4 BSP
AD40-06	3/8 BSP MALE - 3/8 BSP FEMALE 90°	3/8 BSP	3/8 BSP
AD40-08	1/2 BSP MALE - 1/2 BSP FEMALE 90°	1/2 BSP	1/2 BSP
AD40-12	3/4 BSP MALE - 3/4 BSP FEMALE 90°	3/4 BSP	3/4 BSP



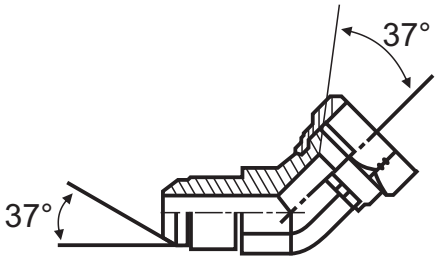
JIC MALE - JIC FEMALE SWIVEL ADAPTOR

ITEMS	DESCRIPTION	JIC MALE	JIC FEMALE
AD41-04	7/16 JIC MALE - 7/16 JIC FEMALE	7/16-20	7/16-20
AD41-0406	7/16 JIC MALE - 9/16 JIC FEMALE	7/16-20	9/16-18
AD41-0408	7/16 JIC MALE - 3/4 JIC FEMALE	7/16-20	3/4-16
AD41-06	9/16 JIC MALE - 9/16 JIC FEMALE	9/16-18	9/16-18
AD41-0608	9/16 JIC MALE - 3/4 JIC FEMALE	9/16-18	3/4-16
AD41-0610	9/16 JIC MALE - 7/8 JIC FEMALE	9/16-18	7/8-14
AD41-08	3/4 JIC MALE - 3/4 JIC FEMALE	3/4-16	3/4-16
AD41-0806	3/4 JIC MALE - 9/16 JIC FEMALE	3/4-16	9/16-18
AD41-0810	3/4 JIC MALE - 7/8 JIC FEMALE	3/4-16	7/8-14
AD41-0812	3/4 JIC MALE - 1 1/16 JIC FEMALE	3/4-16	1 1/16-12
AD41-1012	7/8 JIC MALE - 1 1/16 JIC FEMALE	7/8-14	1 1/16-12
AD41-1208	1 1/16 JIC MALE - 3/4 JIC FEMALE	1 1/16-12	3/4-16
AD41-12	1 1/16 JIC MALE - 1 1/16 JIC FEMALE	1 1/16-12	1 1/16-12
AD41-1216	1 1/16 JIC MALE - 1 5/16 JIC FEMALE	1 1/16-12	1 5/16-12
AD41-16	1 5/16 JIC MALE - 1 5/16 JIC FEMALE	1 5/16-12	1 5/16-12



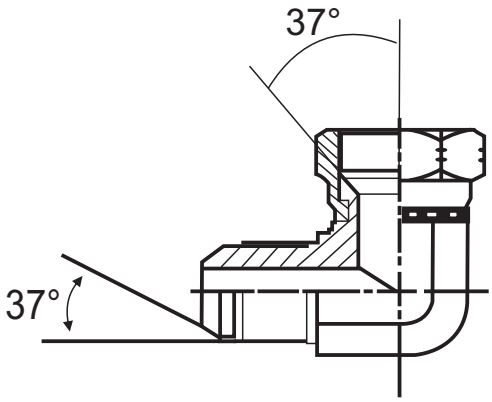
JIC MALE - JIC FEMALE SWIVEL ADAPTOR 45°

ITEMS	DESCRIPTION	JIC MALE	JIC FEMALE
AD42-04	7/16 JIC MALE - 7/16 JIC FEMALE 45°	7/16-20	7/16-20
AD42-05	1/2 JIC MALE - 1/2 JIC FEMALE 45°	1/2-20	1/2-20
AD42-06	9/16 JIC MALE - 9/16 JIC FEMALE 45°	9/16-18	9/16-18
AD42-08	3/4 JIC MALE - 3/4 JIC FEMALE 45°	3/4-16	3/4-16
AD42-10	7/8 JIC MALE - 7/8 JIC FEMALE 45°	7/8-14	7/8-14
AD42-12	1 1/16 JIC MALE - 1 1/16 JIC FEMALE 45°	1 1/16-12	1 1/16-12
AD42-16	1 5/16 JIC MALE - 1 5/16 JIC FEMALE 45°	1 5/16-12	1 5/16-12
AD42-20	1 5/8 JIC MALE - 1 5/8 JIC FEMALE 45°	1 5/8-12	1 5/8-12
AD42-24	1 7/8 JIC MALE - 1 7/8 JIC FEMALE 45°	1 7/8-12	1 7/8-12
AD42-32	2 1/2 JIC MALE - 2 1/2 JIC FEMALE 45°	2 1/2-12	2 1/2-12



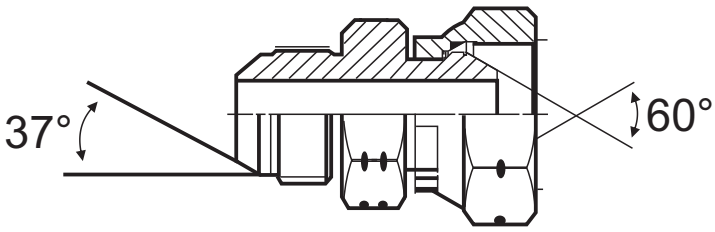
JIC MALE - JIC FEMALE SWIVEL ADAPTOR 90°

ITEMS	DESCRIPTION	JIC MALE	JIC FEMALE
AD43-04	7/16 JIC MALE - 7/16 JIC FEMALE 90°	7/16-20	7/16-20
AD43-05	1/2 JIC MALE - 1/2 JIC FEMALE 90°	1/2-20	1/2-20
AD43-06	9/16 JIC MALE - 9/16 JIC FEMALE 90°	9/16-18	9/16-18
AD43-08	3/4 JIC MALE - 3/4 JIC FEMALE 90°	3/4-16	3/4-16
AD43-10	7/8 JIC MALE - 7/8 JIC FEMALE 90°	7/8-14	7/8-14
AD43-12	1 1/16 JIC MALE - 1 1/16 JIC FEMALE 90°	1 1/16-12	1 1/16-12
AD43-16	1 5/16 JIC MALE - 1 5/16 JIC FEMALE 90°	1 5/16-12	1 5/16-12
AD43-20	1 5/8 JIC MALE - 1 5/8 JIC FEMALE 90°	1 5/8-12	1 5/8-12
AD43-24	1 7/8 JIC MALE - 1 7/8 JIC FEMALE 90°	1 7/8-12	1 7/8-12
AD43-32	2 1/2 JIC MALE - 2 1/2 JIC FEMALE 90	2 1/2-12	2 1/2-12



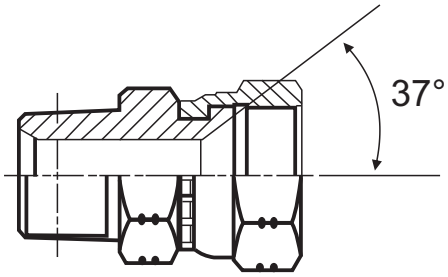
JIC MALE - BSP FEMALE SWIVEL ADAPTORS

ITEMS	DESCRIPTION	JIC MALE	BSP FEMALE
AD44-0606	9/16 JIC MALE - 3/8 BSP FEMALE	9/16-18	3/8 BSP
AD44-0808	3/4 JIC MALE - 1/2 BSP FEMALE	3/4-16	1/2 BSP
AD44-1212	1 1/16 JIC MALE - 3/4 BSP FEMALE	1 1/16-12	3/4 BSP
AD44-1616	1 5/16 JIC MALE - 1" BSP FEMALE	1 5/16-12	1" BSP



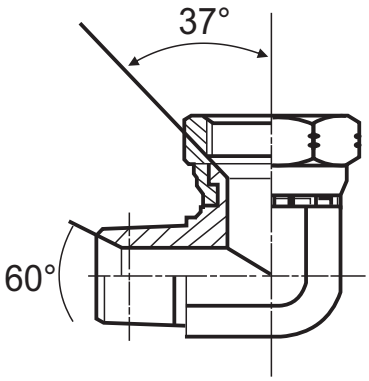
NPT MALE - JIC FEMALE SWIVEL ADAPTOR

ITEMS	DESCRIPTION	NPT MALE	JIC FEMALE
AD45-0404	1/4 NPT MALE - 7/16 JIC FEMALE	1/4 NPT	7/16-20
AD45-0405	1/4 NPT MALE - 1/2 JIC FEMALE	1/4 NPT	1/2-20
AD45-0406	1/4 NPT MALE - 9/16 JIC FEMALE	1/4 NPT	9/16-18
AD45-0606	3/8 NPT MALE - 9/16 JIC FEMALE	3/8 NPT	9/16-18
AD45-0608	3/8 NPT MALE - 3/4 JIC FEMALE	3/8 NPT	3/4-16
AD45-0610	3/8 NPT MALE - 7/8 JIC FEMALE	3/8 NPT	7/8-14
AD45-0806	1/2 NPT MALE - 9/16 JIC FEMALE	1/2 NPT	9/16-18
AD45-0808	1/2 NPT MALE - 3/4 JIC FEMALE	1/2 NPT	3/4-16
AD45-0810	1/2 NPT MALE - 7/8 JIC FEMALE	1/2 NPT	7/8-14
AD45-0812	1/2 NPT MALE - 1 1/16 JIC FEMALE	1/2 NPT	1 1/16-12
AD45-1212	3/4 NPT MALE - 1 1/16 JIC FEMALE	3/4 NPT	1 1/16-12
AD45-1616	1" NPT MALE - 1 5/16 JIC FEMALE	1" NPT	1 5/16-12
AD45-2020	1 1/4 NPT MALE - 1 5/8 JIC FEMALE	1 1/4 NPT	1 5/8-12
AD45-2424	1 1/2 NPT MALE - 1 7/8 JIC FEMALE	1 1/2 NPT	1 7/8-12



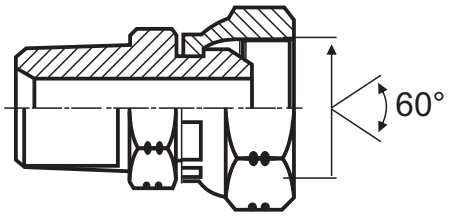
NPT MALE - JIC FEMALE SWIVEL ADAPTOR 90°

ITEMS	DESCRIPTION	NPT MALE	JIC FEMALE
AD46-0606	3/8 NPT MALE - 9/16 JIC FEMALE 90°	3/8 NPT	9/16-18
AD46-0808	1/2 NPT MALE - 3/4 JIC FEMALE 90°	1/2 NPT	3/4-16
AD46-1212	3/4 NPT MALE - 1 1/16 JIC FEMALE 90°	3/4 NPT	1 1/16-12



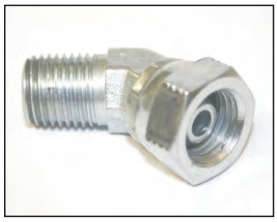
NPT MALE - NPT FEMALE SWIVEL ADAPTOR

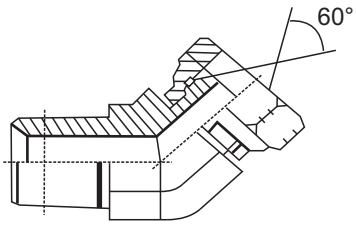
ITEMS	DESCRIPTION	NPT MALE	NPT FEMALE
AD47-02	1/8 NPT MALE - 1/8 NPT FEMALE	1/8 NPT	1/8 NPT
AD47-0204	1/8 NPT MALE - 1/4 NPT FEMALE	1/8 NPT	1/4 NPT
AD47-04	1/4 NPT MALE - 1/4 NPT FEMALE	1/4 NPT	1/4 NPT
AD47-0406	1/4 NPT MALE - 3/8 NPT FEMALE	1/4 NPT	3/8 NPT
AD47-0408	1/4 NPT MALE - 1/2 NPT FEMALE	1/4 NPT	1/2 NPT
AD47-0604	3/8 NPT MALE - 1/4 NPT FEMALE	3/8 NPT	1/4 NPT
AD47-06	3/8 NPT MALE - 3/8 NPT FEMALE	3/8 NPT	3/8 NPT
AD47-0608	3/8 NPT MALE - 1/2 NPT FEMALE	3/8 NPT	1/2 NPT
AD47-0806	1/2 NPT MALE - 3/8 NPT FEMALE	1/2 NPT	3/8 NPT
AD47-0812	1/2 NPT MALE - 3/4 NPT FEMALE	1/2 NPT	3/4 NPT
AD47-08	1/2 NPT MALE - 1/2 NPT FEMALE	1/2 NPT	1/2 NPT
AD47-1208	3/4 NPT MALE - 1/2 NPT FEMALE	3/4 NPT	1/2 NPT
AD47-12	3/4 NPT MALE - 3/4 NPT FEMALE	3/4 NPT	3/4 NPT
AD47-1216	3/4 NPT MALE - 1" NPT FEMALE	3/4 NPT	1" NPT
AD47-1612	1" NPT MALE - 3/4 NPT FEMALE	1" NPT	3/4 NPT
AD47-16	1" NPT MALE - 1" NPT FEMALE	1" NPT	1" NPT
AD47-20	1 1/4 NPT MALE - 1 1/4 NPT FEMALE	1 1/4 NPT	1 1/4 NPT
AD47-24	1 1/2 NPT MALE - 1 1/2 NPT FEMALE	1 1/2 NPT	1 1/2 NPT
AD47-32	2" NPT MALE - 2" NPT FEMALE	2" NPT	2" NPT



NPT MALE - NPT FEMALE ADAPTOR 45°

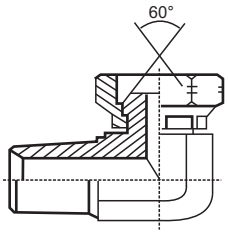
ITEMS	DESCRIPTION	NPT MALE	NPT FEMALE
AD48-02	1/8 NPT MALE - 1/8 NPT FEMALE 45°	1/8 NPT	1/8 NPT
AD48-04	1/4 NPT MALE - 1/4 NPT FEMALE 45°	1/4 NPT	1/4 NPT
AD48-06	3/8 NPT MALE - 3/8 NPT FEMALE 45°	3/8 NPT	3/8 NPT
AD48-08	1/2 NPT MALE - 1/2 NPT FEMALE 45°	1/2 NPT	1/2 NPT
AD48-12	3/4 NPT MALE - 3/4 NPT FEMALE 45°	3/4 NPT	3/4 NPT
AD48-16	1" NPT MALE - 1" NPT FEMALE 45°	1" NPT	1" NPT
AD48-20	1 1/4 NPT MALE - 1 1/4 NPT FEMALE 45°	1 1/4 NPT	1 1/4 NPT





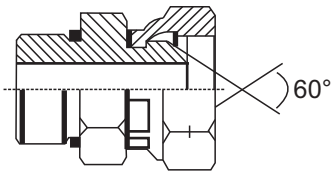
NPT MALE - NPT FEMALE SWIVEL ADAPTOR 90°

ITEMS	DESCRIPTION	NPT MALE	NPT FEMALE
AD49-02	1/8 NPT MALE - 1/8 NPT FEMALE 90°	1/8 NPT	1/8 NPT
AD49-04	1/4 NPT MALE - 1/4 NPT FEMALE 90°	1/4 NPT	1/4 NPT
AD49-0406	1/4 NPT MALE - 3/8 NPT FEMALE 90°	1/4 NPT	3/8 NPT
AD49-0604	3/8 NPT MALE - 1/4 NPT FEMALE 90°	3/8 NPT	1/4 NPT
AD49-06	3/8 NPT MALE - 3/8 NPT FEMALE 90°	3/8 NPT	3/8 NPT
AD49-0608	3/8 NPT MALE - 1/2 NPT FEMALE 90°	3/8 NPT	1/2 NPT
AD49-0806	1/2 NPT MALE - 3/8 NPT FEMALE 90°	1/2 NPT	3/8 NPT
AD49-08	1/2 NPT MALE - 1/2 NPT FEMALE 90°	1/2 NPT	1/2 NPT
AD49-0812	1/2 NPT MALE - 3/4 NPT FEMALE 90°	1/2 NPT	3/4 NPT
AD49-1208	3/4 NPT MALE - 1/2 NPT FEMALE 90°	3/4 NPT	1/2 NPT
AD49-12	3/4 NPT MALE - 3/4 NPT FEMALE 90°	3/4 NPT	3/4 NPT
AD49-16	1" NPT MALE - 1" NPT FEMALE 90°	1" NPT	1" NPT
AD49-20	1 1/4 NPT MALE - 1 1/4 NPT FEMALE 90°	1 1/4 NPT	1 1/4 NPT
AD49-24	1 1/2 NPT MALE - 1 1/2 NPT FEMALE 90°	1 1/2 NPT	1 1/2 NPT
AD49-32	2" NPT MALE - 2" NPT FEMALE 90°	2" NPT	2" NPT



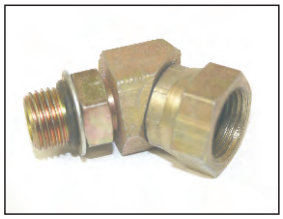
SAE MALE - BSP FEMALE SWIVEL ADAPTOR

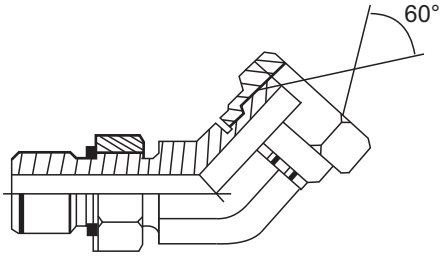
ITEMS	DESCRIPTION	SAE MALE	BSP FEMALE
AD50-0404	7/16 SAE MALE - 1/4 BSP FEMALE	7/16-20	1/4 BSP
AD50-0406	7/16 SAE MALE - 3/8 BSP FEMALE	7/16-20	3/8 BSP
AD50-0604	9/16 SAE MALE - 1/4 BSP FEMALE	9/16-18	1/4 BSP
AD50-0606	9/16 SAE MALE - 3/8 BSP FEMALE	9/16-18	3/8 BSP
AD50-0608	9/16 SAE MALE - 1/2 BSP FEMALE	9/16-18	1/2 BSP
AD50-0806	3/4 SAE MALE - 3/8 BSP FEMALE	3/4-16	3/8 BSP
AD50-0808	3/4 SAE MALE - 1/2 BSP FEMALE	3/4-16	1/2 BSP
AD50-0812	3/4 SAE MALE - 3/4 BSP FEMALE	3/4-16	3/4 BSP
AD50-1008	7/8 SAE MALE - 1/2 BSP FEMALE	7/8-14	1/2 BSP
AD50-1012	7/8 SAE MALE - 3/4 BSP FEMALE	7/8-14	3/4 BSP
AD50-1208	1 1/16 SAE MALE - 1/2 BSP FEMALE	1 1/16-12	1/2 BSP
AD50-1212	1 1/16 SAE MALE - 3/4 BSP FEMALE	1 1/16-12	3/4 BSP
AD50-1216	1 1/16 SAE MALE - 1" BSP FEMALE	1 1/16-12	1" BSP
AD50-1612	1 5/16 SAE MALE - 3/4 BSP FEMALE	1 5/16-12	3/4 BSP
AD50-1616	1 5/16 SAE MALE - 1" BSP FEMALE	1 5/16-12	1" BSP



SAE MALE - BSP FEMALE SWIVEL ADAPTOR 45°

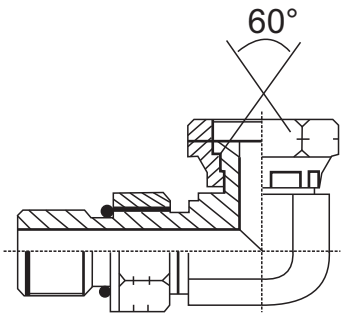
ITEMS	DESCRIPTION	SAE MALE	BSP FEMALE
AD51-0606	9/16 SAE MALE - 3/8 BSP FEMALE 45°	9/16-18	3/8 BSP
AD51-0806	3/4-16 SAE MALE - 3/8 BSP FEMALE 45°	3/4-16	3/8 BSP





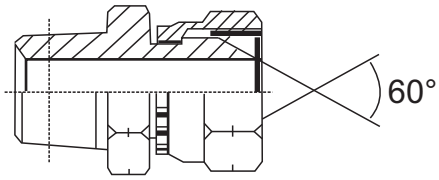
SAE MALE - BSP FEMALE SWIVEL ADAPTOR 90°

ITEMS	DESCRIPTION	SAE MALE	BSP FEMALE
AD52-0404	7/16 SAE MALE - 1/4 BSP FEMALE 90°	7/16-20	1/4 BSP
AD52-0604	9/16 SAE MALE - 1/4 BSP FEMALE 90°	9/16-18	1/4 BSP
AD52-0606	9/16 SAE MALE - 3/8 BSP FEMALE 90°	9/16-18	3/8 BSP
AD52-0806	3/4 SAE MALE - 3/8 BSP FEMALE 90°	3/4-16	3/8 BSP
AD52-0808	3/4 SAE MALE - 1/2 BSP FEMALE 90°	3/4-16	1/2 BSP
AD52-0812	3/4 SAE MALE - 3/4 BSP FEMALE 90°	3/4-16	3/4 BSP
AD52-1008	7/8 SAE MALE - 1/2 BSP FEMALE 90°	7/8-14	1/2 BSP
AD52-1208	1 1/16 SAE MALE - 1/2 BSP FEMALE 90°	1 1/16-12	1/2 BSP
AD52-1212	1 1/16 SAE MALE - 3/4 BSP FEMALE 90°	1 1/16-12	3/4 BSP
AD52-1616	1 5/16 SAE MALE - 1" BSP FEMALE 90°	1 5/16-12	1" BSP



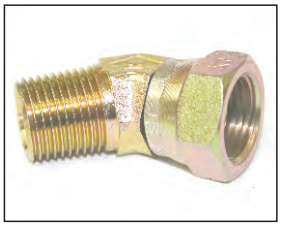
BSPT MALE - BSP FEMALE SWIVEL ADAPTOR

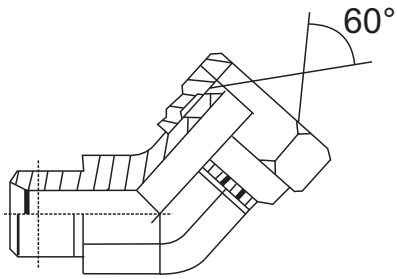
ITEMS	DESCRIPTION	BSPT MALE	BSP FEMALE
AD53-02	1/8 BSPT MALE - 1/8 BSP FEMALE	1/8 BSPT	1/8 BSP
AD53-0204	1/8 BSPT MALE - 1/4 BSP FEMALE	1/8 BSPT	1/4 BSP
AD53-04	1/4 BSPT MALE - 1/4 BSP FEMALE	1/4 BSPT	1/4 BSP
AD53-0406	1/4 BSPT MALE - 3/8 BSP FEMALE	1/4 BSPT	3/8 BSP
AD53-0604	3/8 BSPT MALE - 1/4 BSP FEMALE	3/8 BSPT	1/4 BSP
AD53-06	3/8 BSPT MALE - 3/8 BSP FEMALE	3/8 BSPT	3/8 BSP
AD53-0608	3/8 BSPT MALE - 1/2 BSP FEMALE	3/8 BSPT	1/2 BSP
AD53-0806	1/2 BSPT MALE - 3/8 BSP FEMALE	1/2 BSPT	3/8 BSP
AD53-08	1/2 BSPT MALE - 1/2 BSP FEMALE	1/2 BSPT	1/2 BSP
AD53-0812	1/2 BSPT MALE - 3/4 BSP FEMALE	1/2 BSPT	3/4 BSP
AD53-12	3/4 BSPT MALE - 3/4 BSP FEMALE	3/4 BSPT	3/4 BSP
AD53-1216	3/4 BSPT MALE - 1" BSP FEMALE	3/4 BSPT	1" BSP
AD53-16	1" BSPT MALE - 1" BSP FEMALE	1" BSPT	1" BSP
AD53-20	1 1/4 BSPT MALE - 1 1/4 BSP FEMALE	1 1/4 BSPT	1 1/4 BSP



BSPT MALE - BSP FEMALE SWIVEL ADAPTOR 45°

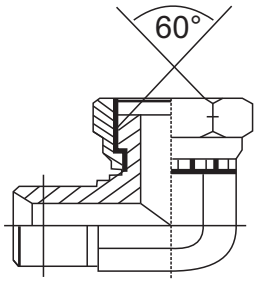
ITEMS	DESCRIPTION	BSPT MALE	BSP FEMALE
AD54-04	1/4 BSPT MALE - 1/4 BSP FEMALE 45°	1/4 BSPT	1/4 BSP
AD54-06	3/8 BSPT MALE - 3/8 BSP FEMALE 45°	3/8 BSPT	3/8 BSP
AD54-08	1/2 BSPT MALE - 1/2 BSP FEMALE 45°	1/2 BSPT	1/2 BSP
AD54-12	3/4 BSPT MALE- 3/4 BSP FEMALE 45°	3/4 BSPT	3/4 BSP
AD54-16	1" BSPT MALE - 1" BSP FEMALE 45°	1" BSPT	1" BSP





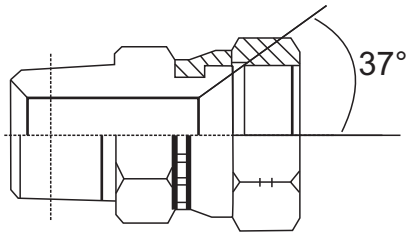
BSPT MALE - BSP FEMALE SWIVEL ADAPTOR 90°

ITEMS	DESCRIPTION	BSPT MALE	BSP FEMALE
AD55-02	1/8 BSPT MALE - 1/8 BSP FEMALE 90°	1/8 BSPT	1/8 BSP
AD55-04	1/4 BSPT MALE - 1/4 BSP FEMALE 90°	1/4 BSPT	1/4 BSP
AD55-0406	1/4 BSPT MALE - 3/8 BSP FEMALE 90°	1/4 BSPT	3/8 BSP
AD55-0604	3/8 BSPT MALE - 1/4 BSP FEMALE 90°	3/8 BSPT	1/4 BSP
AD55-06	3/8 BSPT MALE - 3/8 BSP FEMALE 90°	3/8 BSPT	3/8 BSP
AD55-0608	3/8 BSPT MALE - 1/2 BSP FEMALE 90°	3/8 BSPT	1/2 BSP
AD55-08	1/2 BSPT MALE - 1/2 BSP FEMALE 90°	1/2 BSPT	1/2 BSP
AD55-0812	1/2 BSPT MALE - 3/4 BSP FEMALE 90°	1/2 BSPT	3/4 BSP
AD55-12	3/4 BSPT MALE - 3/4 BSP FEMALE 90°	3/4 BSPT	3/4 BSP
AD55-1208	3/4 BSPT MALE - 1/2 BSP FEMALE 90°	3/4 BSPT	1/2 BSP
AD55-16	1" BSPT MALE - 1" BSP FEMALE 90°	1" BSPT	1" BSP
AD55-20	1 1/4 BSPT MALE - 1 1/4 BSP FEMALE 90°	1 1/4 BSPT	1 1/4 BSP



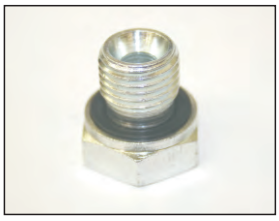
BSPT MALE - JIC FEMALE SWIVEL ADAPTOR

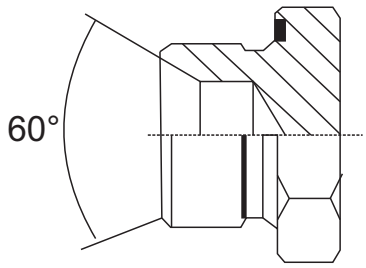
ITEMS	DESCRIPTION	BSPT MALE	JIC FEMALE
AD56-0204	1/8 BSPT MALE - 7/16 JIC FEMALE	1/8 BSPT	7/16-20
AD56-0406	1/4 BSPT MALE - 9/16 JIC FEMALE	1/4 BSPT	9/16-18
AD56-0606	3/8 BSPT MALE - 9/16 JIC FEMALE	3/8 BSPT	9/16-18
AD56-0608	3/8 BSPT MALE - 3/4 JIC FEMALE	3/8 BSPT	3/4-16
AD56-0808	1/2 BSPT MALE - 3/4 JIC FEMALE	1/2 BSPT	3/4-16
AD56-0810	1/2 BSPT MALE - 7/8 JIC FEMALE	1/2 BSPT	7/8-14
AD56-1212	3/4 BSPT MALE - 1 1/6 JIC FEMALE	3/4 BSPT	1 1/16-12
AD56-1616	1" BSPT MALE - 1 5/16 JIC FEMALE	1" BSPT	1 5/16-12
AD56-2020	1 1/4 BSPT MALE - 1 5/8 JIC FEMALE	1 1/4 BSPT	1 5/8-12
AD56-2424	1 1/2 BSPT MALE -1 7/8 JIC FEMALE	1 1/2 BSPT	1 7/8-12



BSP HEX PLUG ED

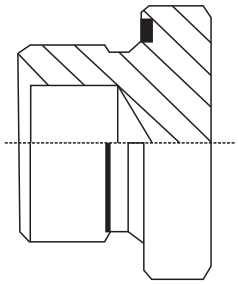
ITEMS	DESCRIPTION	BSP MALE
AP57-02	1/8 BSP PLUG	1/8 BSP
AP57-04	1/4 BSP PLUG	1/4 BSP
AP57-06	3/8 BSP PLUG	3/8 BSP
AP57-08	1/2 BSP PLUG	1/2 BSP
AP57-12	3/4 BSP PLUG	3/4 BSP
AP57-16	1" BSP PLUG	1" BSP





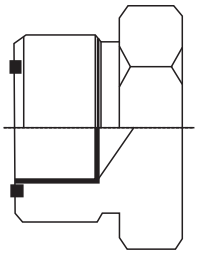
BSP ALLEN KEY PLUG ED

ITEMS	DESCRIPTION	BSP MALE
AP58-02	1/8 BSP ALLEN KEY PLUG	1/8 BSP
AP58-04	1/4 BSP ALLEN KEY PLUG	1/4 BSP
AP58-06	3/8 BSP ALLEN KEY PLUG	3/8 BSP
AP58-08	1/2 BSP ALLEN KEY PLUG	1/2 BSP
AP58-12	3/4 BSP ALLEN KEY PLUG	3/4 BSP
AP58-16	1" BSP ALLAN KEY PLUG	1" BSP
AP58-20	1 1/4 BSP ALLAN KEY PLUG	1 1/4 BSP
AP58-24	1 1/2 BSP ALLAN KEY PLUG	1 1/2 BSP



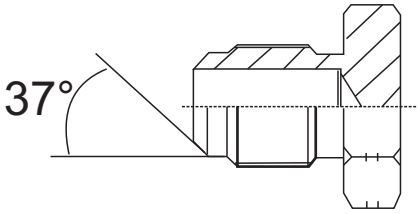
ORFS HEX PLUG

ITEMS	DESCRIPTION	ORFS MALE
AP59-04	9/16 ORFS PLUG	9/16-18
AP59-06	11/16 ORFS PLUG	11/16-16
AP59-08	13/16 ORFS PLUG	13/16-16
AP59-10	1" ORFS PLUG	1-14
AP59-12	1 3/16 ORFS PLUG	1 3/16-12
AP59-16	1 7/16 ORFS PLUG	1 7/16-12
AP59-20	1 11/16 ORFS PLUG	1 11/16-12
AP59-24	2" ORFS PLUG	2-12



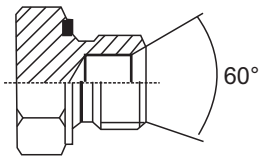
JIC HEX PLUG

ITEMS	DESCRIPTION	JIC MALE
AP60-04	7/16 JIC PLUG	7/16-20
AP60-05	1/2 JIC PLUG	1/2-20
AP60-06	9/16 JIC PLUG	9/16-18
AP60-08	3/4 JIC PLUG	3/4-16
AP60-10	7/8 JIC PLUG	7/8-14
AP60-12	1 1/16 JIC PLUG	1 1/16-12
AP60-14	1 3/16 JIC PLUG	1 3/16-12
AP60-16	1 5/16 JIC PLUG	1 5/16-12
AP60-20	1 5/8 JIC PLUG	1 5/8-12
AP60-24	1 7/8 JIC PLUG	1 7/8-12
AP60-32	2 1/2 JIC PLUG	2 1/2-12



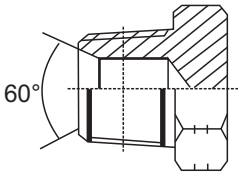
METRIC HEX PLUG - 60°

ITEMS	DESCRIPTION	METRIC MALE
AP61-M10	10X1.0 PLUG - 60°	M10X1.0
AP61-M12	12X1.5 PLUG - 60°	M12X1.5
AP61-M14	14X1.5 PLUG - 60°	M14X1.5
AP61-M16	16X1.5 PLUG - 60°	M16X1.5
AP61-M18	18X1.5 PLUG - 60°	M18X1.5



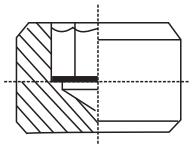
NPT HEX PLUG

ITEMS	DESCRIPTION	NPT MALE
AP62-02	1/8 NPT PLUG	1/8 NPT
AP62-04	1/4 NPT PLUG	1/4 NPT
AP62-06	3/8 NPT PLUG	3/8 NPT
AP62-08	1/2 NPT PLUG	1/2 NPT
AP62-12	3/4 NPT PLUG	3/4 NPT
AP62-16	1" NPT PLUG	1" NPT
AP62-20	1 1/4 NPT PLUG	1 1/4 NPT
AP62-24	1 1/2 NPT PLUG	1 1/2 NPT
AP62-32	2" NPT PLUG	2" NPT



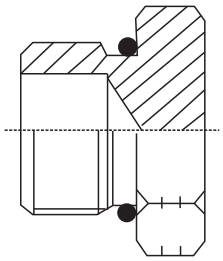
NPT ALLEN KEY PLUG

ITEMS	DESCRIPTION	NPT MALE
AP63-02	1/8 NPT ALLEN KEY PLUG	1/8 NPT
AP63-04	1/4 NPT ALLEN KEY PLUG	1/4 NPT
AP63-06	3/8 NPT ALLEN KEY PLUG	3/8 NPT
AP63-08	1/2 NPT ALLEN KEY PLUG	1/2 NPT
AP63-12	3/4 NPT ALLEN KEY PLUG	3/4 NPT
AP63-16	1" NPT ALLEN KEY PLUG	1" NPT



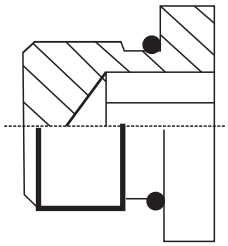
SAE HEX PLUG

ITEMS	DESCRIPTION	SAE MALE
AP64-04	7/16 SAE PLUG	7/16-20
AP64-05	1/2 SAE PLUG	1/2-20
AP64-06	9/16 SAE PLUG	9/16-18
AP64-08	3/4 SAE PLUG	3/4-16
AP64-10	7/8 SAE PLUG	7/8-14
AP64-12	1 1/16 SAE PLUG	1 1/16-12
AP64-14	1 3/16 SAE PLUG	1 3/16-12
AP64-16	1 5/16 SAE PLUG	1 5/16-12
AP64-20	1 5/8 SAE PLUG	1 5/8-12
AP64-24	1 7/8 SAE PLUG	1 7/8-12
AP64-32	2 1/2 SAE PLUG	2 1/2-12



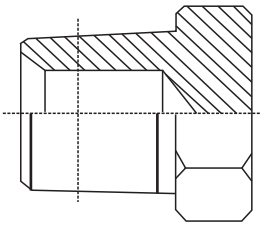
SAE ALLEN KEY PLUG

ITEMS	DESCRIPTION	SAE MALE
AP65-04	7/16 SAE ALLEN KEY PLUG	7/16-20
AP65-05	1/2 SAE ALLEN KEY PLUG	1/2-20
AP65-06	9/16 SAE ALLEN KEY PLUG	9/16-18
AP65-08	3/4 SAE ALLEN KEY PLUG	3/4-16
AP65-12	1 1/16 SAE ALLEN KEY PLUG	1 1/16-12



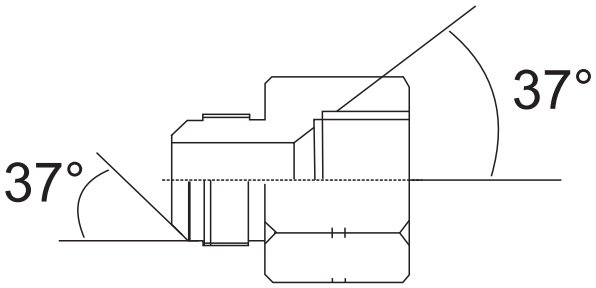
BSPT HEX PLUG

ITEMS	DESCRIPTION	BSPT MALE
AP66-02	1/8 BSPT PLUG	1/8 BSPT
AP66-04	1/4 BSPT PLUG	1/4 BSPT
AP66-06	3/8 BSPT PLUG	3/8 BSPT
AP66-08	1/2 BSPT PLUG	1/2 BSPT
AP66-12	3/4 BSPT PLUG	3/4 BSPT
AP66-16	1" BSPT PLUG	1" BSPT
AP66-20	1 1/4 BSPT PLUG	1 1/4 BSPT
AP66-24	1 1/2 BSPT PLUG	1 1/2 BSPT
AP66-32	2" BSPT PLUG	2" BSPT



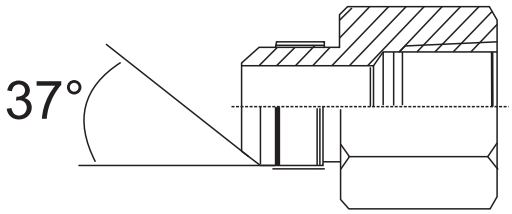
JIC MALE - JIC FEMALE REDUCER

ITEMS	DESCRIPTION	JIC MALE	JIC FEMALE
AR67-0406	7/16 JIC MALE - 9/16 JIC FEMALE	7/16-20	9/16-18
AR67-0408	7/16 JIC MALE - 3/4 JIC FEMALE	7/16-20	3/4-16
AR67-0412	7/16 JIC MALE - 1 1/16 JIC FEMALE	7/16-20	1 1/16-12
AR67-0608	9/16 JIC MALE - 3/4 JIC FEMALE	9/16-18	3/4-16
AR67-0610	9/16 JIC MALE - 7/8 JIC FEMALE	9/16-18	7/8-14
AR67-0612	9/16 JIC MALE - 1 1/16 JIC FEMALE	9/16-18	1 1/16-12
AR67-0810	3/4 JIC MALE - 7/8 JIC FEMALE FIXED	3/4-16	7/8-14
AR67-0812	3/4 JIC MALE - 1 1/16 JIC FEMALE	3/4-16	1 1/16-12
AR67-0816	3/4 JIC MALE - 1 5/16 JIC FEMALE	3/4-16	1 5/16-12
AR67-1012	7/8 JIC MALE - 1 1/16 JIC FEMALE FIXED	7/8-14	1 1/16-12
AR67-1216	1 1/16 JIC MALE - 1 5/16 JIC FEMALE	1 1/16-12	1 5/16-12
AR67-1220	1 1/16 JIC MALE - 1 5/8 JIC FEMALE	1 1/16-12	1 5/8-12
AR67-1620	1 5/16 JIC MALE - 1 5/8 JIC FEMALE	1 5/16-12	1 5/8-12
AR67-2024	1 5/8 JIC MALE - 1 7/8 JIC FEMALE	1 5/8-12	1 7/8-12



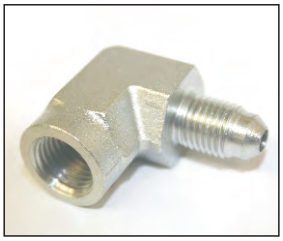
JIC MALE - NPT FEMALE REDUCER

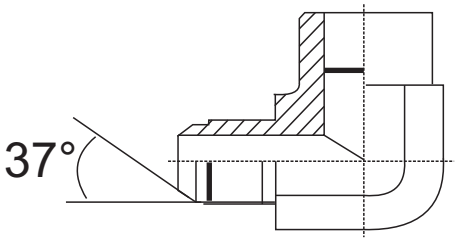
ITEMS	DESCRIPTION	JIC SIZE	NPT SIZE
AR68-0402	7/16 JIC MALE - 1/8 NPT FEMALE	7/16-20	1/8 NPT
AR68-0404	7/16 JIC MALE - 1/4 NPT FEMALE	7/16-20	1/4 NPT
AR68-0604	9/16 JIC MALE - 1/4 NPT FEMALE	9/16-18	1/4 NPT
AR68-0606	9/16 JIC MALE - 3/8 NPT FEMALE	9/16-18	3/8 NPT
AR68-0608	9/16 JIC MALE - 1/2 NPT FEMALE	9/16-18	1/2 NPT
AR68-0806	3/4 JIC MALE - 3/8 NPT FEMALE	3/4-16	3/8 NPT
AR68-0808	3/4 JIC MALE -1/2 NPT FEMALE	3/4-16	1/2 NPT
AR68-1008	7/8 JIC MALE - 1/2 NPT FEMALE	7/8-14	1/2 NPT
AR68-1208	1 1/16 JIC MALE - 1/2 NPT FEMALE	1 1/16-12	1/2 NPT
AR68-1212	1 1/16 JIC MALE - 3/4 NPT FEMALE	1 1/16-12	3/4 NPT
AR68-1612	1 5/16 JIC MALE - 3/4 NPT FEMALE	1 5/16-12	3/4 NPT
AR68-1616	1 5/16 JIC MALE - 1" NPT FEMALE	1 5/16-12	1" NPT



JIC MALE - NPT FEMALE REDUCER 90°

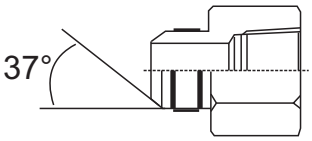
ITEMS	DESCRIPTION	JIC MALE	NPT FEMALE
AR69-0402	7/16 JIC MALE - 1/8 NPT FEMALE 90°	7/16-20	1/8 NPT
AR69-0404	7/16 JIC MALE - 1/4 NPT FEMALE 90°	7/16-20	1/4 NPT
AR69-0406	7/16 JIC MALE - 3/8 NPT FEMALE 90°	7/16-20	3/8 NPT
AR69-0504	1/2 JIC MALE - 1/4 NPT FEMALE 90°	1/2-20	1/4 NPT
AR69-0604	9/16 JIC MALE - 1/4 NPT FEMALE 90°	9/16-18	1/4 NPT
AR69-0606	9/16 JIC MALE - 3/8 NPT FEMALE 90°	9/16-18	3/8 NPT
AR69-0804	3/4 JIC MALE - 1/4 NPT FEMALE 90°	3/4-16	1/4 NPT
AR69-0806	3/4 JIC MALE - 3/8 NPT FEMALE 90°	3/4-16	3/8 NPT
AR69-0808	3/4 JIC MALE - 1/2 NPT FEMALE 90°	3/4-16	1/2 NPT
AR69-1008	7/8 JIC MALE - 1/2 NPT FEMALE 90°	7/8-14	1/2 NPT
AR69-1208	1 1/16 JIC MALE - 1/2 NPT FEMALE 90°	1 1/16-12	1/2 NPT
AR69-1212	1 1/16 JIC MALE - 3/4 NPT FEMALE 90°	1 1/16-12	3/4 NPT
AR69-1616	1 5/16 JIC MALE - 1" NPT FEMALE 90°	1 5/16-12	1" NPT
AR69-2020	1 5/8 JIC MALE - 1 1/4 NPT FEMALE 90°	1 5/8-12	1 1/4 NPT





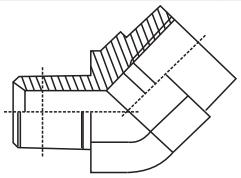
JIC MALE - BSPT FEMALE REDUCER

ITEMS	DESCRIPTION	JIC MALE	BSPT FEMALE
AR70-0402	7/16 JIC MALE - 1/8 BSPT FEMALE	7/16-20	1/8 BSPT
AR70-0404	7/16 JIC MALE - 1/4 BSPT FEMALE	7/16-20	1/4 BSPT
AR70-0604	9/16 JIC MALE - 1/4 BSPT FEMALE	9/16-18	1/4 BSPT
AR70-0606	9/16 JIC MALE - 3/8 BSPT FEMALE	9/16-18	3/8 BSPT
AR70-0806	3/4 JIC MALE - 3/8 BSPT FEMALE	3/4-16	3/8 BSPT
AR70-0808	3/4 JIC MALE - 1/2 BSPT FEMALE	3/4-16	1/2 BSPT
AR70-1208	1 1/16 JIC MALE - 1/2 BSPT FEMALE	1 1/16-12	1/2 BSPT
AR70-1212	1 1/16 JIC MALE - 3/4 BSPT FEMALE	1 1/16-12	3/4 BSPT
AR70-1616	1 5/16 JIC MALE - 1" BSPT FEMALE	1 5/16-12	1" BSPT



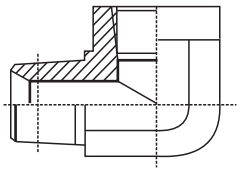
NPT MALE - NPT FEMALE REDUCER 45°

ITEMS	DESCRIPTION	NPT MALE	NPT FEMALE
AR71-02-45°	1/8 NPT MALE - 1/8 NPT FEMALE 45°	1/8 NPT	1/8 NPT
AR71-04-45°	1/4 NPT MALE - 1/4 NPT FEMALE 45°	1/4 NPT	1/4 NPT
AR71-06-45°	3/8 NPT MALE - 3/8 NPT FEMALE 45°	3/8 NPT	3/8 NPT
AR71-08-45°	1/2 NPT MALE - 1/2 NPT FEMALE 45°	1/2 NPT	1/2 NPT
AR71-12-45°	3/4 NPT MALE - 3/4 NPT FEMALE 45°	3/4 NPT	3/4 NPT
AR71-16-45°	1" NPT MALE - 1" NPT FEMALE 45°	1" NPT	1" NPT



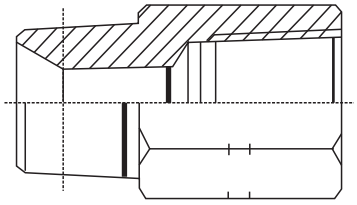
NPT MALE - NPT FEMALE REDUCER 90°

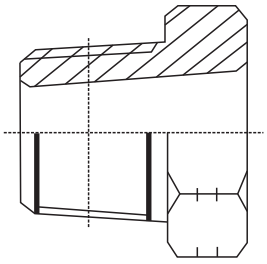
ITEMS	DESCRIPTION	NPT MALE	NPT FEMALE
AR71-02	1/8 NPT MALE - 1/8 NPT FEMALE 90°	1/8 NPT	1/8 NPT
AR71-04	1/4 NPT MALE - 1/4 NPT FEMALE 90°	1/4 NPT	1/4 NPT
AR71-0406	1/4 NPT MALE - 3/8 NPT FEMALE 90°	1/4 NPT	3/8 NPT
AR71-06	3/8 NPT MALE - 3/8 NPT FEMALE 90°	3/8 NPT	3/8 NPT
AR71-08	1/2 NPT MALE - 1/2 NPT FEMALE 90°	1/2 NPT	1/2 NPT
AR71-12	3/4 NPT MALE - 3/4 NPT FEMALE 90°	3/4 NPT	3/4 NPT
AR71-16	1" NPT MALE - 1" NPT FEMALE 90°	1" NPT	1" NPT
AR71-20	1 1/4 NPT MALE - 1 1/4 NPT FEMALE 90°	1 1/4 NPT	1 1/4 NPT
AR71-24	1 1/2 NPT MALE - 1 1/2 NPT FEMALE 90°	1 1/2 NPT	1 1/2 NPT
AR71-32	2" NPT MALE - 2" NPT FEMALE 90°	2" NPT	2" NPT



NPT MALE - NPT FEMALE REDUCER

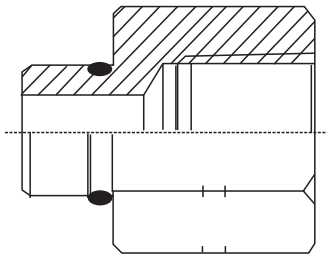
ITEMS	DESCRIPTION	NPT MALE	NPT FEMALE
AR72-02	1/8 NPT MALE - 1/8 NPT FEMALE	1/8 NPT	1/8 NPT
AR72-0204	1/8 NPT MALE - 1/4 NPT FEMALE	1/8 NPT	1/4 NPT
AR72-0402	1/4 NPT MALE - 1/8 NPT FEMALE	1/4 NPT	1/8 NPT
AR72-04	1/4 NPT MALE - 1/4 NPT FEMALE	1/4 NPT	1/4 NPT
AR72-0406	1/4 NPT MALE - 3/8 NPT FEMALE	1/4 NPT	3/8 NPT
AR72-0602	3/8 NPT MALE - 1/8 NPT FEMALE	3/8 NPT	1/8 NPT
AR72-0604	3/8 NPT MALE - 1/4 NPT FEMALE	3/8 NPT	1/4 NPT
AR72-06	3/8 NPT MALE - 3/8 NPT FEMALE	3/8 NPT	3/8 NPT
AR72-0608	3/8 NPT MALE - 1/2 NPT FEMALE	3/8 NPT	1/2 NPT
AR72-0802	1/2 NPT MALE - 1/8 NPT FEMALE	1/2 NPT	1/8 NPT
AR72-0804	1/2 NPT MALE - 1/4 NPT FEMALE	1/2 NPT	1/4 NPT
AR72-0806	1/2 NPT MALE - 3/8 NPT FEMALE	1/2 NPT	3/8 NPT
AR72-08	1/2 NPT MALE - 1/2 NPT FEMALE	1/2 NPT	1/2 NPT
AR72-0812	1/2 NPT MALE - 3/4 NPT FEMALE	1/2 NPT	3/4 NPT
AR72-1204	3/4 NPT MALE - 1/4 NPT FEMALE	3/4 NPT	1/4 NPT
AR72-1206	3/4 NPT MALE - 3/8 NPT FEMALE	3/4 NPT	3/8 NPT
AR72-1208	3/4 NPT MALE - 1/2 NPT FEMALE	3/4 NPT	1/2 NPT
AR72-12	3/4 NPT MALE - 3/4 NPT FEMALE	3/4 NPT	3/4 NPT
AR72-1216	3/4 NPT MALE - 1" NPT FEMALE	3/4 NPT	1" NPT
AR72-1604	1" NPT MALE - 1/4 NPT FEMALE	1" NPT	1/4 NPT
AR72-1606	1" NPT MALE - 3/8 NPT FEMALE	1" NPT	3/8 NPT
AR72-1608	1" NPT MALE - 1/2 NPT FEMALE	1" NPT	1/2 NPT
AR72-1612	1" NPT MALE - 3/4 NPT FEMALE	1" NPT	3/4 NPT
AR72-2008	1 1/4 NPT MALE - 1/2 NPT FEMALE	1 1/4 NPT	1/2 NPT
AR72-2012	1 1/4 NPT MALE - 3/4 NPT FEMALE	1 1/4 NPT	3/4 NPT
AR72-2016	1 1/4 NPT MALE - 1" NPT FEMALE	1 1/4 NPT	1" NPT
AR72-2412	1 1/2 NPT MALE - 3/4 NPT FEMALE	1 1/2 NPT	3/4 NPT
AR72-2416	1 1/2 NPT MALE - 1" NPT FEMALE	1 1/2 NPT	1" NPT
AR72-2420	1 1/2 NPT MALE - 1 1/4 NPT FEMALE	1 1/2 NPT	1 1/4 NPT
AR72-3216	2" NPT MALE - 1" NPT FEMALE	2" NPT	1" NPT
AR72-3220	2" NPT MALE - 1 1/4 NPT FEMALE	2" NPT	1 1/4 NPT
AR72-3224	2" NPT MALE - 1 1/2 NPT FEMALE	2" NPT	1 1/2 NPT





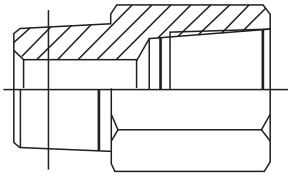
SAE MALE - NPT FEMALE REDUCER

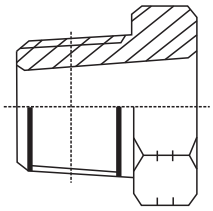
ITEMS	DESCRIPTION	SAE MALE	NPT FEMALE
AR73-0404	7/16 SAE MALE - 1/4 NPT FEMALE	7/16-20	1/4 NPT
AR73-0406	7/16 SAE MALE - 3/8 NPT FEMALE	7/16-20	3/8 NPT
AR73-0502	1/2 SAE MALE - 1/8 NPT FEMALE	1/2-20	1/8 NPT
AR73-0606	9/16 SAE MALE - 3/8 NPT FEMALE	9/16-18	3/8 NPT
AR73-0604	9/16 SAE MALE - 1/4 NPT FEMALE	9/16-18	1/4 NPT
AR73-0808	3/4 SAE MALE - 1/2 NPT FEMALE	3/4-16	1/2 NPT
AR73-0804	3/4 SAE MALE - 1/4 NPT FEMALE	3/4-16	1/4 NPT
AR73-0812	3/4 SAE MALE - 3/4 NPT FEMALE	3/4-16	3/4 NPT
AR73-1006	7/8 SAE MALE - 3/8 NPT FEMALE	7/8-14	3/8 NPT
AR73-1008	7/8 SAE MALE - 1/2 NPT FEMALE	7/8-14	1/2 NPT
AR73-1212	1 1/16 SAE MALE -3/4 NPT FEMALE	1 1/16-12	3/4 NPT
AR73-1208	1 1/16 SAE MALE - 1/2 NPT FEMALE	1 1/16 -12	1/2 NPT
AR73-1216	1 1/16 SAE MALE - 1" NPT FEMALE	1 1/16-12	1" NPT
AR73-1616	1 5/16 SAE MALE - 1" NPT FEMALE	1 5/16-12	1" NPT
AR73-1608	1 5/16 SAE MALE - 1/2 NPT FEMALE	1 5/16-12	1/2 NPT
AR73-1612	1 5/16 SAE MALE - 3/4 NPT FEMALE	1 5/16-12	3/4 NPT
AR73-2016	1 5/8 SAE MALE - 1" NPT FEMALE	1 5/8-12	1" NPT



BSPT MALE - BSPT FEMALE REDUCER

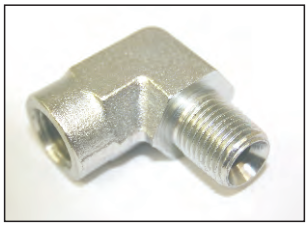
ITEMS	DESCRIPTION	BSPT MALE	BSPT FEMALE
AR74-0402	1/4 BSPT MALE - 1/8 BSPT FEMALE	1/4 BSPT	1/8 BSPT
AR74-0602	3/8 BSPT MALE - 1/8 BSPT FEMALE	3/8 BSPT	1/8 BSPT
AR74-0604	3/8 BSPT MALE - 1/4 BSPT FEMALE	3/8 BSPT	1/4 BSPT
AR74-0804	1/2 BSPT MALE - 1/4 BSPT FEMALE	1/2 BSPT	1/4 BSPT
AR74-0806	1/2 BSPT MALE - 3/8 BSPT FEMALE	1/2 BSPT	3/8 BSPT
AR74-1204	3/4 BSPT MALE - 1/4 BSPT FEMALE	3/4 BSPT	1/4 BSPT
AR74-1206	3/4 BSPT MALE - 3/8 BSPT FEMALE	3/4 BSPT	3/8 BSPT
AR74-1208	3/4 BSPT MALE - 1/2 BSPT FEMALE	3/4 BSPT	1/2 BSPT
AR74-1606	1" BSPT MALE - 3/8 BSPT FEMALE	1" BSPT	3/8 BSPT
AR74-1608	1" BSPT MALE - 1/2 BSPT FEMALE	1" BSPT	1/2 BSPT
AR74-1612	1" BSPT MALE - 3/4 BSPT FEMALE	1" BSPT	3/4 BSPT
AR74-2008	1 1/4 BSPT MALE - 1/2 BSPT FEMALE	1 1/4 BSPT	1/2 BSPT
AR74-2012	1 1/4 BSPT MALE - 3/4 BSPT FEMALE	1 1/4 BSPT	3/4 BSPT
AR74-2016	1 1/4 BSPT MALE - 1" BSPT FEMALE	1 1/4 BSPT	1" BSPT
AR74-2412	1 1/2 BSPT MALE- 3/4 BSPT FEMALE	1 1/2 BSPT	3/4 BSPT
AR74-2416	1 1/2 BSPT MALE - 1" BSPT FEMALE	1 1/2 BSPT	1" BSPT
AR74-2420	1 1/2 BSPT MALE - 1 1/4 BSPT FEMALE	1 1/2 BSPT	1 1/4 BSPT
AR74-3216	2" BSPT MALE - 1" BSPT FEMALE	2" BSPT	1" BSPT
AR74-3220	2" BSPT MALE - 1 1/4 BSPT FEMALE	2" BSPT	1 1/4 BSPT

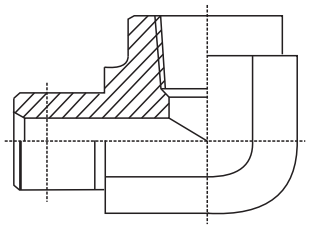




BSPT MALE - BSPT FEMALE REDUCER 90°

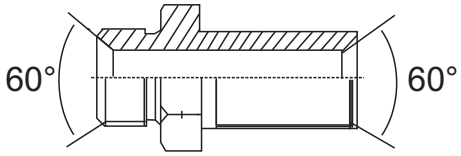
ITEMS	DESCRIPTION	BSPT MALE	BSPT FEMALE
AR74-04-90°	1/4 BSPT MALE - 1/4 BSPT FEMALE 90°	1/4 BSPT	1/4 BSPT
AR74-06-90°	3/8 BSPT MALE - 3/8 BSPT FEMALE 90°	3/8 BSPT	3/8 BSPT
AR74-08-90°	1/2 BSPT MALE - 1/2 BSPT FEMALE 90°	1/2 BSPT	1/2 BSPT
AR74-12-90°	3/4 BSPT MALE - 3/4 BSPT FEMALE 90°	3/4 BSPT	3/4 BSPT
AR74-16-90°	1" BSPT MALE - 1" BSPT FEMALE 90°	1" BSPT	1" BSPT





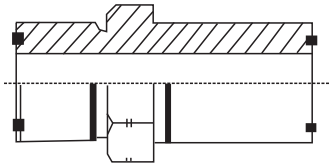
BSP BULKHEAD WITH LOCKNUT

ITEMS	DESCRIPTION	BSP THREAD
AB75-04	1/4 - 1/4 BSP BULKHEAD WITH LOCKNUT	1/4 BSP
AB75-06	3/8 - 3/8 BSP BULKHEAD WITH LOCKNUT	3/8 BSP
AB75-08	1/2 - 1/2 BSP BULKHEAD WITH LOCKNUT	1/2 BSP
AB75-10	5/8 - 5/8 BSP BULKHEAD WITH LOCKNUT	5/8 BSP
AB75-12	3/4 - 3/4 BSP BULKHEAD WITH LOCKNUT	3/4 BSP
AB75-16	1" - 1" BSP BULKHEAD WITH LOCKNUT	1" BSP
AB75-20	1 1/4 - 1 1/4 BSP BULKHEAD WITH LOCKNUT	1 1/4 BSP
AB75-24	1 1/2 - 1 1/2 BSP BULKHEAD WITH LOCKNUT	1 1/2 BSP



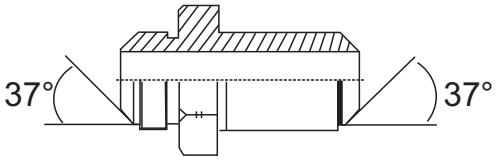
ORFS BULKHEAD WITH LOCKNUT

ITEMS	DESCRIPTION	ORFS THREAD
AB76-04	9/16 ORFS BULKHEAD WITH LOCKNUT	9/16-18
AB76-06	11/16 ORFS BULKHEAD WITH LOCKNUT	11/16-16
AB76-08	13/16 ORFS BULKHEAD WITH LOCKNUT	13/16-16
AB76-10	1" ORFS BULKHEAD WITH LOCKNUT	1-14
AB76-12	1 3/16 ORFS BULKHEAD WITH LOCKNUT	1 3/6-12
AB76-16	1 7/16 ORFS BULKHEAD WITH LOCKNUT	1 7/16-12



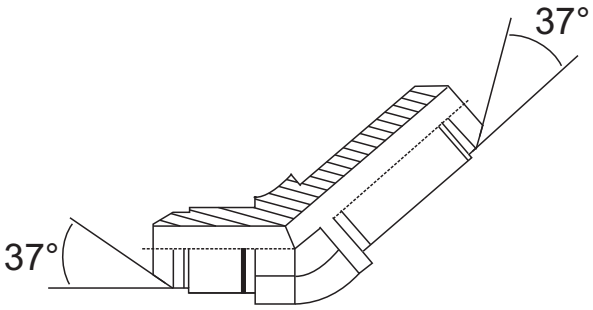
JIC BULKHEAD WITH LOCKNUT

ITEMS	DESCRIPTION	JIC THREAD
AB77-04	7/16 JIC BULKHEAD WITH LOCKNUT	7/16-20
AB77-05	1/2 JIC BULKHEAD WITH LOCKNUT	1/2-20
AB77-06	9/16 JIC BULKHEAD WITH LOCKNUT	9/16-18
AB77-08	3/4 JIC BULKHEAD WITH LOCKNUT	3/4-16
AB77-10	7/8 JIC BULKHEAD WITH LOCKNUT	7/8-14
AB77-12	1 1/16 JIC BULKHEAD WITH LOCKNUT	1 1/16-12
AB77-16	1 5/16 JIC BULKHEAD WITH LOCKNUT	1 5/16-12
AB77-20	1 5/8 JIC BULKHEAD WITH LOCKNUT	1 5/8-12
AB77-24	1 7/8 JIC BULKHEAD WITH LOCKNUT	1 7/8-12
AB77-32	2 1/2 JIC BULKHEAD WITH LOCKNUT	2 1/2-12



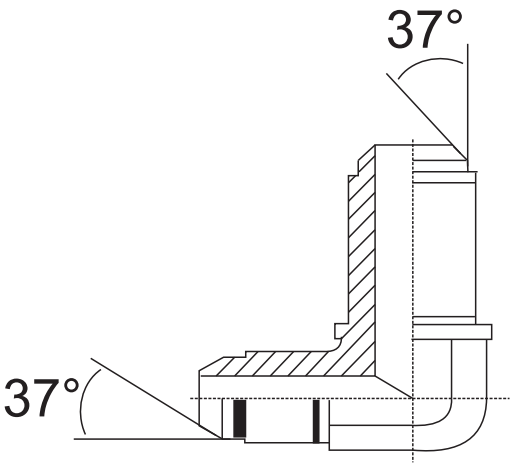
JIC BULKHEAD WITH LOCKNUT 45°

ITEMS	DESCRIPTION	JIC THREAD
AB78-04	7/16 JIC BULKHEAD WITH LOCKNUT 45°	7/16-20
AB78-06	9/16 JIC BULKHEAD WITH LOCKNUT 45°	9/16-18
AB78-08	3/4 JIC BULKHEAD WITH LOCKNUT 45°	3/4-16
AB78-10	7/8 JIC BULKHEAD WITH LOCKNUT 45°	7/8-14
AB78-12	1 1/16 JIC BULKHEAD WITH LOCKNUT 45°	1 1/16-12
AB78-16	1 5/16 JIC BULKHEAD WITH LOCKNUT 45°	1 5/16-12



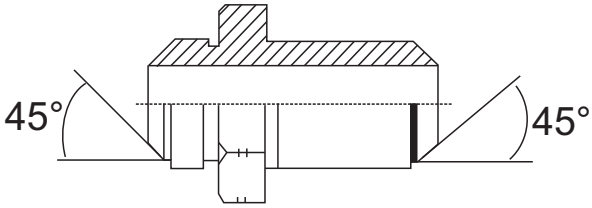
JIC BULKHEAD WITH LOCKNUT 90°

ITEMS	DESCRIPTION	JIC THREAD
AB79-04	7/16 JIC BULKHEAD WITH LOCKNUT 90°	7/16-20
AB79-05	1/2 JIC BULKHEAD WITH LOCKNUT 90°	1/2-20
AB79-06	9/16 JIC BULKHEAD WITH LOCKNUT 90°	9/16-18
AB79-08	3/4 JIC BULKHEAD WITH LOCKNUT 90°	3/4-16
AB79-10	7/8 JIC BULKHEAD WITH LOCKNUT 90°	7/8-14
AB79-12	1 1/16 JIC BULKHEAD WITH LOCKNUT 90°	1 1/16-12
AB79-16	1 5/16 JIC BULKHEAD WITH LOCKNUT 90°	1 5/16-12
AB79-20	1 5/8 JIC BULKHEAD WITH LOCKNUT 90°	1 5/8-12



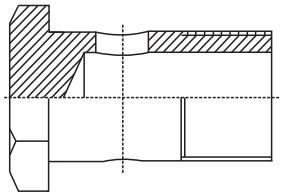
SAE BULKHEAD WITH LOCKNUT

ITEMS	DESCRIPTION	SAE THREAD
AB80-06	5/8 SAE BULKHEAD WITH LOCKNUT	5/8-18



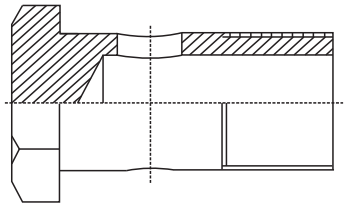
METRIC BANJO BOLTS

ITEMS	DESCRIPTION	METRIC THREAD
AB81-12	12X1.5 BANJO BOLT	12X1.5
AB81-14	14X1.5 BANJO BOLT	14X1.5
AB81-16	16X1.5 BANJO BOLT	16X1.5
AB81-18	18X1.5 BANJO BOLT	18X1.5
AB81-22	22X1.5 BANJO BOLT	22X1.5



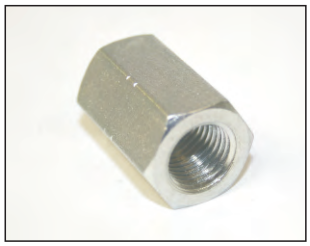
BSP BANJO BOLTS

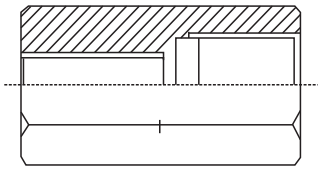
ITEMS	DESCRIPTION	BSP THREAD
AD82-04	1/4 BSP BANJO BOLT	1/4 BSP
AD82-06	3/8 BSP BANJO BOLT	3/8 BSP
AD82-08	1/2 BSP BANJO BOLT	1/2 BSP
AD82-10	5/8 BSP BANJO BOLT	5/8 BSP
AD82-12	3/4 BSP BANJO BOLT	3/4 BSP



BSP FEMALE SOCKET

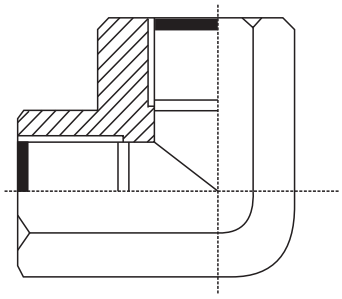
ITEMS	DESCRIPTION	BSP FEMALE
AS83-02	1/8 BSP FEMALE SOCKET	1/8 BSP
AS83-04	1/4 BSP FEMALE SOCKET	1/4 BSP
AS83-06	3/8 BSP FEMALE SOCKET	3/8 BSP
AS83-08	1/2 BSP FEMALE SOCKET	1/2 BSP
AS83-12	3/4 BSP BEMALE SOCKET	3/4 BSP
AS83-16	1" BSP FEMALE SOCKET	1" BSP
AS83-20	1 1/4 BSP FEMALE SOCKET	1 1/4 BSP
AS83-24	1 1/2 BSP FEMALE SOCKET	1 1/2 BSP





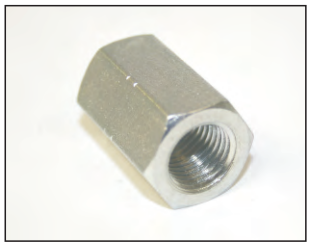
BSP FEMALE SOCKET 90°

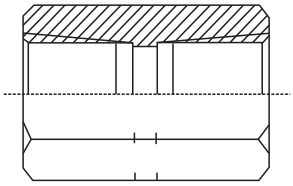
ITEMS	DESCRIPTION	BSP FEMALE
AS84-02-90°	1/8 BSP FEMALE SOCKET 90°	1/8 BSP
AS84-04-90°	1/4 BSP FEMALE SOCKET 90°	1/4 BSP
AS84-06-90°	3/8 BSP FEMALE SOCKET 90°	3/8 BSP
AS84-08-90°	1/2 BSP FEMALE SOCKET 90°	1/2 BSP
AS84-12-90°	3/4 BSP FEMALE SOCKET 90°	3/4 BSP
AS84-16-90°	1" BSP FEMALE SOCKET 90°	1" BSP
AS84-20-90°	1 1/4 BSP FEMALE SOCKET 90°	1 1/4 BSP
AS84-24-90°	1 1/2 BSP FEMALE SOCKET 90°	1 1/2 BSP



NPT FEMALE SOCKET

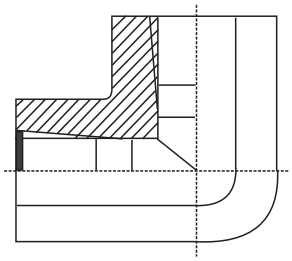
ITEMS	DESCRIPTION	NPT FEMALE	NPT FEMALE
AS85-02	1/8 NPT - 1/8 NPT FEMALE SOCKET	1/8 NPT	1/8 NPT
AS85-0204	1/8 NPT - 1/4 NPT FEMALE SOCKET	1/8 NPT	1/4 NPT
AS85-04	1/4 NPT - 1/4 NPT FEMALE SOCKET	1/4 NPT	1/4 NPT
AS85-0406	1/4 NPT - 3/8 NPT FEMALE SOCKET	1/4 NPT	3/8 NPT
AS85-0408	1/4 NPT - 1/2 NPT FEMALE SOCKET	1/4 NPT	1/2 NPT
AS85-06	3/8 NPT - 3/8 NPT FEMALE SOCKET	3/8 NPT	3/8 NPT
AS85-0608	3/8 NPT - 1/2 NPT FEMALE SOCKET	3/8 NPT	1/2 NPT
AS85-08	1/2 NPT - 1/2 NPT FEMALE SOCKET	1/2 NPT	1/2 NPT
AS85-0812	1/2 NPT - 3/4 NPT FEMALE SOCKET	1/2 NPT	3/4 NPT
AS85-12	3/4 NPT - 3/4 NPT FEMALE SOCKET	3/4 NPT	3/4 NPT
AS85-1216	3/4 NPT - 1" NPT FEMALE SOCKET	3/4 NPT	1" NPT
AS85-16	1" NPT - 1" NPT FEMALE SOCKET	1" NPT	1" NPT
AS85-20	1 1/4 NPT - 1 1/4 NPT FEMALE SOCKET	1 1/4 NPT	1 1/4 NPT
AS85-24	1 1/2 NPT - 1 1/2 NPT FEMALE SOCKET	1 1/2 NPT	1 1/2 NPT
AS85-32	2" NPT - 2" NPT FEMALE SOCKET	2" NPT	2" NPT





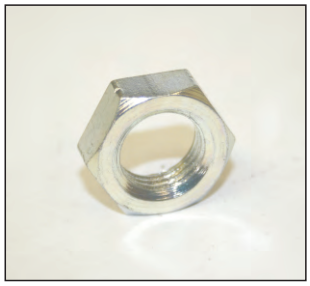
NPT FEMALE SOCKET 90°

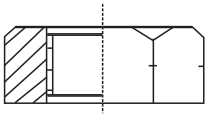
ITEMS	DESCRIPTION	NPT FEMALE	NPT FEMALE
AS86-02	1/8 NPT - 1/8 NPT FEMALE SOCKET 90°	1/8 NPT	1/8 NPT
AS86-04	1/4 NPT - 1/4 NPT FEMALE SOCKET 90°	1/4 NPT	1/4 NPT
AS86-06	3/8 NPT - 3/8 NPT FEMALE SOCKET 90°	3/8 NPT	3/8 NPT
AS86-08	1/2 NPT - 1/2 NPT FEMALE SOCKET 90°	1/2 NPT	1/2 NPT
AS86-12	3/4 NPT - 3/4 NPT FEMALE SOCKET 90°	3/4 NPT	3/4 NPT
AS86-16	1" NPT - 1" NPT FEMALE SOCKET 90°	1" NPT	1" NPT
AS86-20	1 1/4 NPT - 1 1/4 NPT FEMALE SOCKET 90°	1 1/4 NPT	1 1/4 NPT
AS86-24	1 1/2 NPT - 1 1/2 NPT FEMALE SOCKET 90°	1 1/2 NPT	1 1/2 NPT
AS86-32	2" NPT - 2" NPT FEMALE SOCKET 90°	2" NPT	2" NPT



BSP LOCKNUTS

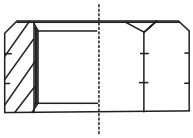
ITEMS	DESCRIPTION	BSP THREAD
AL87-02	1/8 BSP LOCKNUT	1/8 BSP
AL87-04	1/4 BSP LOCKNUT	1/4 BSP
AL87-06	3/8 BSP LOCKNUT	3/8 BSP
AL87-08	1/2 BSP LOCKNUT	1/2 BSP
AL87-10	5/8 BSP LOCKNUT	5/8 BSP
AL87-12	3/4 BSP LOCKNUT	3/4 BSP
AL87-16	1" BSP LOCKNUT	1" BSP
AL87-20	1 1/4 BSP LOCKNUT	1 1/4 BSP
AL87-24	1 1/2 BSP LOCKNUT	1 1/2 BSP





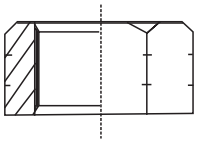
ORFS LOCKNUTS

ITEMS	DESCRIPTION	ORFS THREAD
AL88-04	9/16 ORFS LOCKNUT	9/16-18
AL88-06	11/16 ORFS LOCKNUT	11/16-16
AL88-08	13/16 ORFS LOCKNUT	13/16-16
AL88-10	1" ORFS LOCKNUT	1-14
AL88-12	1 3/16 ORFS LOCKNUT	1 3/16-12
AL88-16	1 7/16 ORFS LOCKNUT	1 7/16-12
AL88-20	1 11/16 ORFS LOCKNUT	1 11/16-12



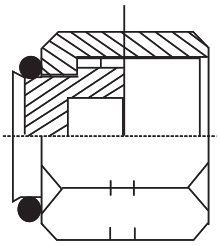
JIC LOCKNUTS

ITEMS	DESCRIPTION	JIC THREAD
AL89-04	7/16 JIC LOCKNUT	7/16-20
AL89-05	1/2 JIC LOCKNUT	1/2-20
AL89-06	9/16 JIC LOCKNUT	9/16-18
AL89-08	3/4 JIC LOCKNUT	3/4-16
AL89-10	7/8 JIC LOCKNUT	7/8-14
AL89-12	1 1/16 JIC LOCKNUT	1 1/16-12
AL89-16	1 5/16 JIC LOCKNUT	1 5/16-12
AL89-20	1 5/8 JIC LOCKNUT	1 5/8-12
AL89-24	1 7/8 JIC LOCKNUT	1 7/8-12



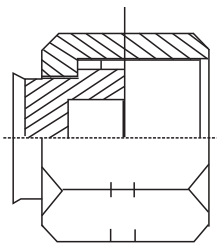
BSP FEMALE SWIVEL CAP

ITEMS	DESCRIPTION	BSP FEMALE
AC90-02	1/8 BSP FEMALE SWIVEL CAP	1/8 BSP
AC90-04	1/4 BSP FEMALE SWIVEL CAP	1/4 BSP
AC90-06	3/8 BSP FEMALE SWIVEL CAP	3/8 BSP
AC90-08	1/2 BSP FEMALE SWIVEL CAP	1/2 BSP
AC90-12	3/4 BSP FEMALE SWIVEL CAP	3/4 BSP
AC90-16	1" BSP FEMALE SWIVEL CAP	1" BSP
AC90-20	1 1/4 BSP FEMALE SWIVEL CAP	1 1/4 BSP



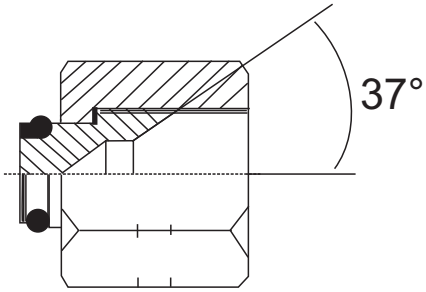
ORFS FEMALE SWIVEL CAP

ITEMS	DESCRIPTION	ORFS THREAD
AC91-04	9/16 ORFS FEMALE SWIVEL CAP	9/16-18
AC91-06	11/16 ORFS FEMALE SWIVEL CAP	11/16-16
AC91-08	13/16 ORFS FEMALE SWIVEL CAP	13/16-16
AC91-10	1" ORFS FEMALE SWIVEL CAP	1-14
AC91-12	1 3/16 ORFS FEMALE SWIVEL CAP	1 3/16-12
AC91-16	1 7/16 ORFS FEMALE SWIVEL CAP	1 7/16-12
AC91-20	1 11/16 ORFS FEMALE SWIVEL CAP	1 11/16-12
AC91-24	2" ORFS FEMALE SWIVEL CAP	2-12



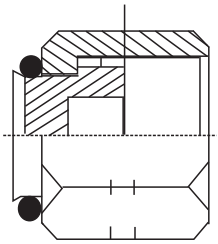
JIC FEMALE SWIVEL CAP

ITEMS	DESCRIPTION	JIC THREAD
AC92-04	7/16 JIC FEMALE SWIVEL CAP	7/16-20
AC92-05	1/2 JIC FEMALE SWIVEL CAP	1/2-20
AC92-06	9/16 JIC FEMALE SWIVEL CAP	9/16-18
AC92-08	3/4 JIC FEMALE SWIVEL CAP	3/4-16
AC92-10	7/8 JIC FEMALE SWIVEL CAP	7/8-14
AC92-12	1 1/16 JIC FEMALE SWIVEL CAP	1 1/16-12
AC92-14	1 3/16 JIC FEMALE SWIVEL CAP	1 3/16-12
AC92-16	1 5/16 JIC FEMALE SWIVEL CAP	1 5/16-12
AC92-20	1 5/8 JIC FEMALE SWIVEL CAP	1 5/8-12
AC92-24	1 7/8 JIC FEMALE SWIVEL CAP	1 7/8-12
AC92-32	2 1/2 JIC FEMALE SWIVEL CAP	2 1/2-12



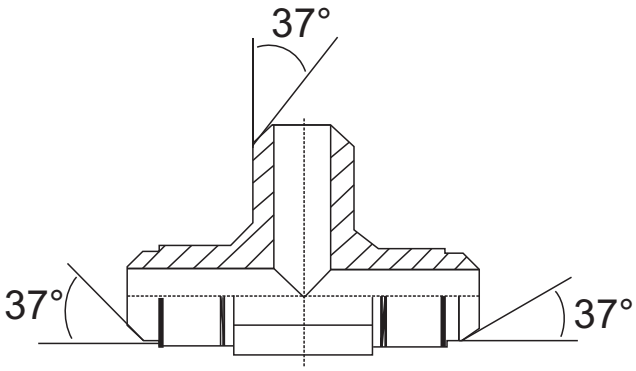
METRIC FEMALE SWIVEL CAP

ITEMS	DESCRIPTION	METRIC THREAD
AC93-12	12X1.5 METRIC FEMALE CAP	12X1.5
AC93-14	14X1.5 METRIC FEMALE CAP	14X1.5
AC93-16	16X1.5 METRIC FEMALE CAP	16X1.5
AC93-18	18X1.5 METRIC FEMALE CAP	18X1.5



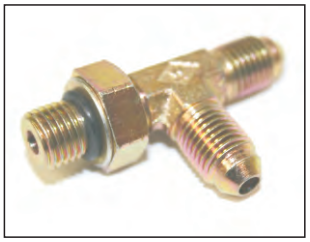
JIC MALE TEES

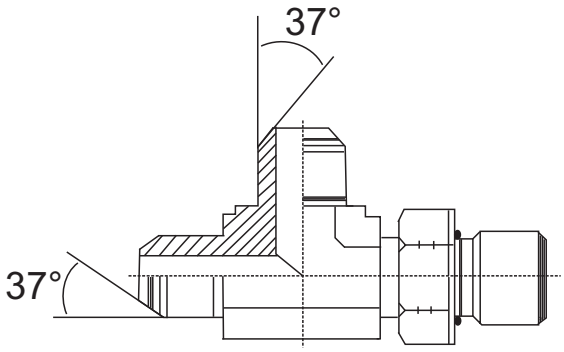
ITEMS	DESCRIPTION	JIC MALE
AT94-04	7/16 JIC MALE TEE	7/16-20
AT94-05	1/2 JIC MALE TEE	1/2-20
AT94-06	9/16 JIC MALE TEE	9/16-18
AT94-08	3/4 JIC MALE TEE	3/4-16
AT94-10	7/8 JIC MALE TEE	7/8-14
AT94-12	1 1/16 JIC MALE TEE	1 1/16-12
AT94-16	1 5/16 JIC MALE TEE	1 5/16-12
AT94-20	1 5/8 JIC MALE TEE	1 5/8-12
AT94-24	1 7/8 JIC MALE TEE	1 7/8-12



JIC MALE - SAE MALE RUN TEE

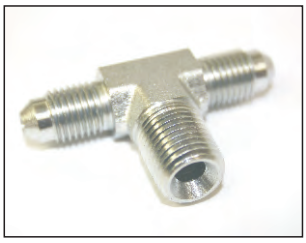
ITEMS	DESCRIPTION	JIC MALE	SAE MALE ON RUN
AT95-040404	7/16 JIC MALE - 7/16 SAE MALE ON RUN	7/16-20	7/16-20
AT95-050505	1/2 JIC MALE - 1/2 SAE MALE ON RUN	1/2-20	1/2-20
AT95-060606	9/16 JIC MALE - 9/16 SAE MALE ON RUN	9/16-18	9/16-18
AT95-080808	3/4 JIC MALE - 3/4 SAE MALE ON RUN	3/4-16	3/4-16
AT95-101010	7/8 JIC MALE - 7/8 SAE MALE ON RUN	7/8-14	7/8-14
AT95-121212	1 1/16 JIC MALE - 1 1/16 SAE MALE ON RUN	1 1/16-12	1 1/16-12
AT95-161616	1 5/16 JIC MALE - 1 5/16 SAE MALE ON RUN	1 5/16-12	1 5/16-12
AT95-202020	1 5/8 JIC MALE - 1 5/8 SAE MALE ON RUN	1 5/8-12	1 5/8-12

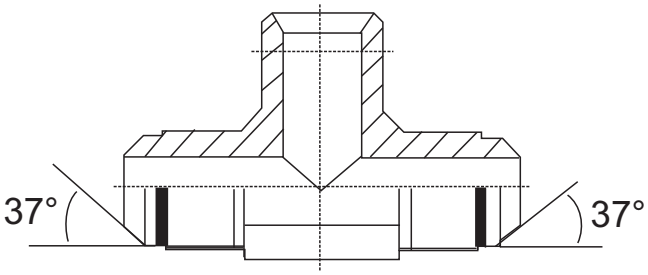




JIC MALE - NPT MALE ON BRANCH

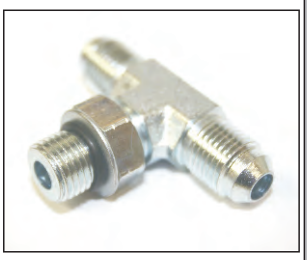
ITEMS	DESCRIPTION	JIC MALE	NPT MALE ON BRANCH
AT96-040404	7/16 JIC MALE - 1/4 NPT MALE ON BRANCH	7/16-20	1/4 NPT
AT96-060606	9/16 JIC MALE - 3/8 NPT MALE ON BRANCH	9/16-18	3/8 NPT
AT96-060406	9/16 JIC MALE - 1/4 NPT MALE ON BRANCH	9/16-18	1/4 NPT
AT96-080608	3/4 JIC MALE - 3/8 NPT MALE ON BRANCH	3/4-16	3/8 NPT
AT96-080808	3/4 JIC MALE - 1/2 NPT MALE ON BRANCH	3/4-16	1/2 NPT
AT96-100810	7/8 JIC MALE - 1/2 NPT MALE ON BRANCH	7/8-14	1/2 NPT
AT96-121212	1 1/16 JIC MALE - 3/4 NPT MALE ON BRANCH	1 1/16-12	3/4 NPT
AT96-161616	1 5/16 JIC MALE - 1" NPT MALE ON BRANCH	1 5/16-12	1" NPT
AT96-202020	1 5/8 JIC MALE - 1 1/4 NPT MALE ON BRANCH	1 5/8-12	1 1/4 NPT
AT96-242424	1 7/8 JIC MALE - 1 1/2 NPT MALE ON BRANCH	1 7/8-12	1 1/2 NPT

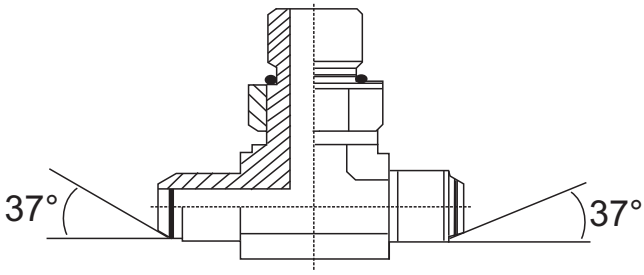




JIC MALE - SAE MALE ON BRANCH TEE

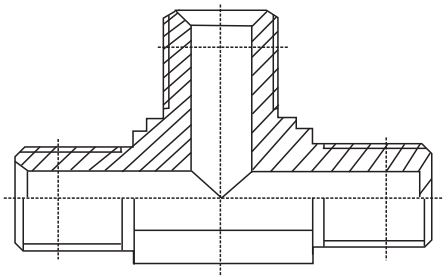
ITEMS	DESCRIPTION	JIC MALE	SAE MALE ON BRANCH
AT97-040404	7/16 JIC MALE - 7/16 SAE MALE ON BRANCH	7/16-20	7/16-20
AT97-050505	1/2 JIC MALE - 1/2 SAE MALE ON BRANCH	1/2-20	1/2-20
AT97-060606	9/16 JIC MALE - 9/16 SAE MALE ON BRANCH	9/16-18	9/16-18
AT97-080808	3/4 JIC MALE - 3/4 SAE MALE ON BRANCH	3/4-16	3/4-16
AT97-101010	7/8 JIC MALE - 7/8 SAE MALE ON BRANCH	7/8-14	7/8-14
AT97-121212	1 1/16 JIC MALE - 1 1/16 SAE MALE ON BRANCH	1 1/16-12	1 1/16-12
AT97-161616	1 5/16 JIC MALE - 1 5/16 SAE MALE ON BRANCH	1 5/16-12	1 5/16-12
AT97-202020	1 5/8 JIC MALE - 1 5/8 SAE MALE ON BRANCH	1 5/8-12	1 5/8-12





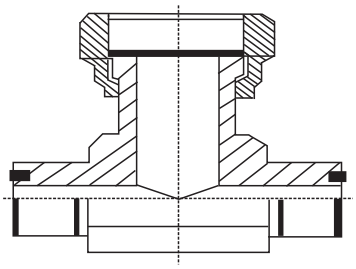
BSPT MALE TEES

ITEMS	DESCRIPTION	BSP THREAD
AT98-02	1/8 BSPT MALE TEE	1/8 BSPT
AT98-04	1/4 BSPT MALE TEE	1/4 BSPT
AT98-06	3/8 BSPT MALE TEE	3/8 BSPT
AT98-08	1/2 BSPT MALE TEE	1/2 BSPT
AT98-12	3/4 BSPT MALE TEE	3/4 BSPT
AT98-16	1" BSPT MALE TEE	1" BSPT



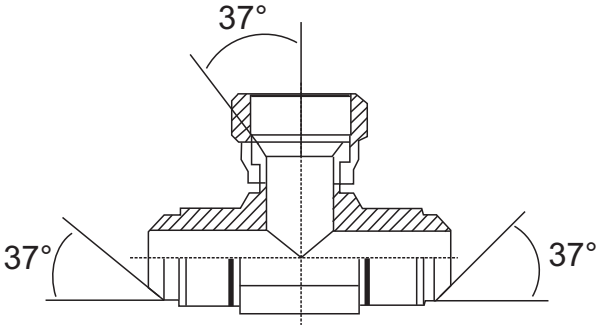
ORFS MALE - ORFS FEMALE BRANCH TEE

ITEMS	DESCRIPTION	ORFS MALE	ORFS FEMALE ON BRANCH
AT99-04	9/16 ORFS MALE - 9/16 ORFS FEMALE ON BRANCH	9/16-18	9/16-18
AT99-06	11/16 ORFS MALE - 11/16 ORFS FEMALE ON BRANCH	11/16-16	11/16-16
AT99-08	13/16 ORFS MALE - 13/16 ORFS FEMALE ON BRANCH	13/16-16	13/16-16
AT99-10	1" ORFS MALE - 1" ORFS FEMALE ON BRANCH	1-14	1-14
AT99-12	1 3/16 ORFS MALE - 1 3/16 ORFS FEMALE ON BRANCH	1 3/16-12	1 3/16-12
AT99-16	1 7/16 ORFS MALE - 1 7/16 ORFS FEMALE ON BRANCH	1 7/16-12	1 7/16-12



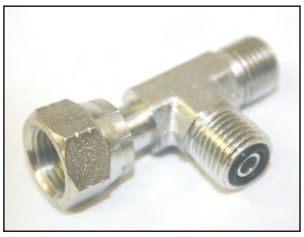
JIC MALE - JIC FEMALE BRANCH TEE

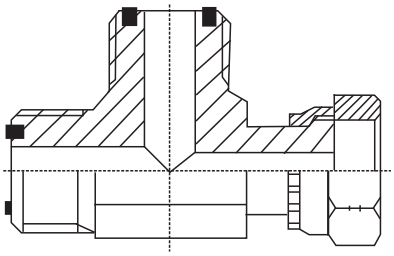
ITEMS	DESCRIPTION	JIC MALE	JIC FEMALE ON BRANCH
AT100-04	7/16 JIC MALE - 7/16 JIC FEMALE ON BRANCH	7/16-20	7/16-20
AT100-05	1/2 JIC MALE -1/2 JIC FEMALE ON BRANCH	1/2-20	1/2-20
AT100-06	9/16 JIC MALE - 9/16 JIC FEMALE ON BRANCH	9/16-18	9/16-18
AT100-08	3/4 JIC MALE - 3/4 JIC FEMALE ON BRANCH	3/4-16	3/4-16
AT100-10	7/8 JIC MALE - 7/8 JIC FEMALE ON BRANCH	7/8-14	7/8-14
AT100-12	1 1/16 JIC MALE - 1 1/16 JIC FEMALE ON BRANCH	1 1/16-12	1 1/16-12
AT100-16	1 5/16 JIC MALE - 1 5/16 JIC FEMALE ON BRANCH	1 5/16-12	1 5/16-12
AT100-20	1 5/8 JIC MALE - 1 5/8 JIC FEMALE ON BRANCH	1 5/8-12	1 5/8-12
AT100-24	1 7/8 JIC MALE - 1 7/8 JIC FEMALE ON BRANCH	1 7/8-12	1 7/8-12



ORFS MALE - ORFS FEMALE ON RUN TEE

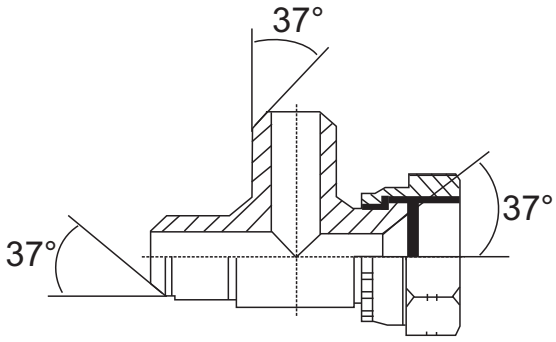
ITEMS	DESCRIPTION	ORFS MALE	ORFS FEMALE ON RUN
AT101-04	9/16 ORFS MALE - 9/16 ORFS FEMALE ON RUN	9/16-18	9/16-18
AT101-06	11/16 ORFS MALE - 11/16 ORFS FEMALE ON RUN	11/16-16	11/16-16
AT101-08	13/16 ORFS MALE - 13/16 ORFS FEMALE ON RUN	13/16-16	13/16-16
AT101-10	1" ORFS MALE - 1" ORFS FEMALE ON RUN	1-14	1-14
AT101-12	1 3/16 ORFS MALE - 1 3/16 ORFS FEMALE ON RUN	1 3/16-12	1 3/16-12
AT101-16	1 7/16 ORFS MALE - 1 7/16 ORFS FEMALE ON RUN	1 7/16-12	1 7/16-12
AT101-20	1 11/16 ORFS MALE - 1 11/16 ORFS FEMALE ON RUN	1 11/16-12	1 11/16-12





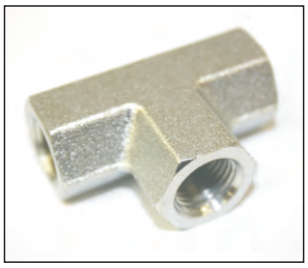
JIC MALE - JIC FEMALE ON RUN TEE

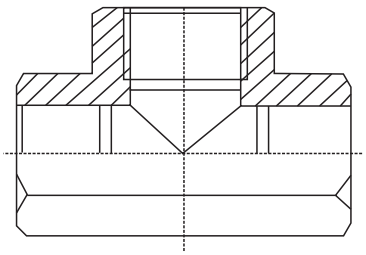
ITEMS	DESCRIPTION	JIC MALE	JIC FEMALE ON RUN
AT102-04	7/16 JIC MALE - 7/16 JIC FEMALE ON RUN	7/16-20	7/16-20
AT102-05	1/2 JIC MALE - 1/2 JIC FEMALE ON RUN	1/2-20	1/2-20
AT102-06	9/16 JIC MALE - 9/16 JIC FEMALE ON RUN	9/16-18	9/16-18
AT102-08	3/4 JIC MALE - 3/4 JIC FEMALE ON RUN	3/4-16	3/4-16
AT102-10	7/8 JIC MALE - 7/8 JIC FEMALE ON RUN	7/8-14	7/8-14
AT102-12	1 1/16 JIC MALE - 1 1/16 JIC FEMALE ON RUN	1 1/16-12	1 1/16-12
AT102-16	1 5/16 JIC MALE - 1 5/16 JIC FEMALE ON RUN	1 5/16-12	1 5/16-12
AT102-20	1 5/8 JIC MALE - 1 5/8 JIC FEMALE ON RUN	1 5/8-12	1 5/8-12
AT102-24	1 7/8 JIC MALE - 1 7/8 JIC FEMALE ON RUN	1 7/8-12	1 7/8-12



BSP FEMALE TEE

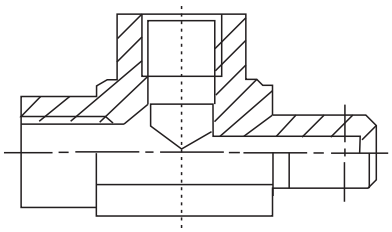
ITEMS	DESCRIPTION	BSP FEMALE
AT103-02	1/8 BSP FEMALE TEE	1/8 BSP
AT103-04	1/4 BSP FEMALE TEE	1/4 BSP
AT103-06	3/8 BSP FEMALE TEE	3/8 BSP
AT103-08	1/2 BSP FEMALE TEE	1/2 BSP
AT103-12	3/4 BSP FEMALE TEE	3/4 BSP
AT103-16	1" BSP FEMALE TEE	1" BSP
AT103-20	1 1/4 BSP FEMALE TEE	1 1/4 BSP
AT103-24	1 1/2 BSP FEMALE TEE	1 1/2 BSP





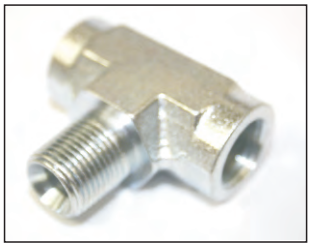
NPT FEMALE - NPT MALE ON RUN TEE

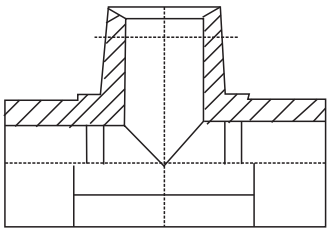
ITEMS	DESCRIPTION	NPT FEMALE	NPT MALE
AT106-02	1/8 NPT FEMALE - 1/8 NPT MALE ON RUN	1/8 NPT	1/8 NPT
AT106-04	1/4 NPT FEMALE - 1/4 NPT MALE ON RUN	1/4 NPT	1/4 NPT
AT106-06	3/8 NPT FEMALE - 3/8 NPT MALE ON RUN	3/8 NPT	3/8 NPT
AT106-08	1/2 NPT FEMALE - 1/2 NPT MALE ON RUN	1/2 NPT	1/2 NPT
AT106-12	3/4 NPT FEMALE - 3/4 NPT MALE ON RUN	3/4 NPT	3/4 NPT
AT106-16	1" NPT FEMALE - 1" NPT MALE ON RUN	1" NPT	1" NPT
AT106-20	1 1/4 NPT FEMALE - 1 1/4 NPT MALE ON RUN	1 1/14 NPT	1 1/4 NPT



NPT FEMALE - NPT MALE ON BRANCH TEE

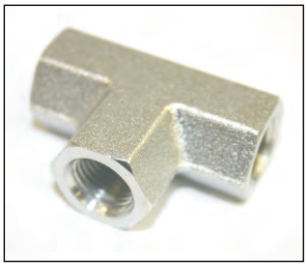
ITEMS	DESCRIPTION	NPT FEMALE	NPT MALE
AT107-02	1/8 NPT FEMALE - 1/8 NPT MALE ON BRANCH	1/8 NPT	1/8 NPT
AT107-04	1/4 NPT FEMALE - 1/4 NPT MALE ON BRANCH	1/4 NPT	1/4 NPT
AT107-06	3/8 NPT FEMALE - 3/8 NPT MALE ON BRANCH	3/8 NPT	3/8 NPT
AT107-08	1/2 NPT FEMALE - 1/2 NPT MALE ON BRANCH	1/2 NPT	1/2 NPT
AT107-12	3/4 NPT FEMALE - 3/4 NPT MALE ON BRANCH	3/4 NPT	3/4 NPT
AT107-16	1" NPT FEMALE - 1" NPT MALE ON BRANCH	1" NPT	1" NPT

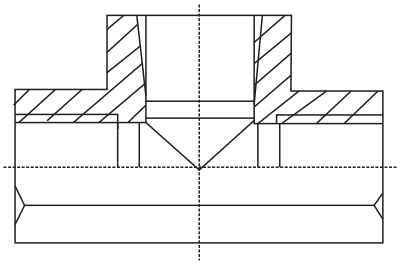




NPT FEMALE TEE

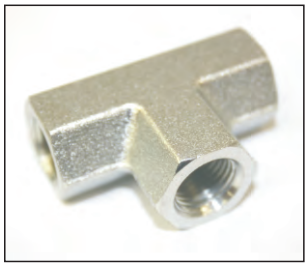
ITEMS	DESCRIPTION	NPT FEMALE
AT104-02	1/8 NPT FEMALE TEE	1/8 NPT
AT104-04	1/4 NPT FEMALE TEE	1/4 NPT
AT104-06	3/8 NPT FEMALE TEE	3/8 NPT
AT104-08	1/2 NPT FEMALE TEE	1/2 NPT
AT104-12	3/4 NPT FEMALE TEE	3/4 NPT
AT104-16	1" NPT FEMALE TEE	1" NPT
AT104-20	1 1/4 NPT FEMALE TEE	1 1/4 NPT
AT104-24	1 1/2 NPT FEMALE TEE	1 1/2 NPT
AT104-32	2" NPT FEMALE TEE	2" NPT

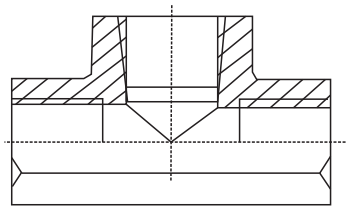




BSPT FEMALE TEE

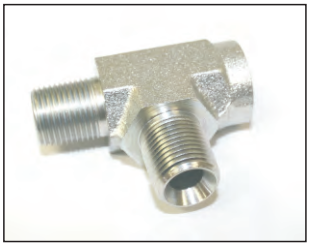
ITEMS	DESCRIPTION	BSPT FEMALE
AT105-02	1/8 BSPT FEMALE TEE	1/8 BSPT
AT105-04	1/4 BSPT FEMALE TEE	1/4 BSPT
AT105-06	3/8 BSPT FEMALE TEE	3/8 BSPT
AT105-08	1/2 BSPT FEMALE TEE	1/2 BSPT
AT105-12	3/4 BSPT FEMALE TEE	3/4 BSPT
AT105-16	1" BSPT FEMALE TEE	1" BSPT

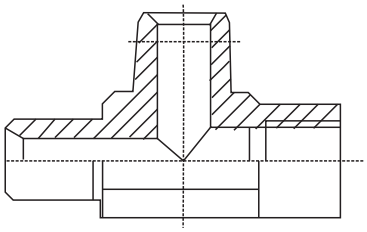




NPT MALE - NPT FEMALE ON RUN TEE

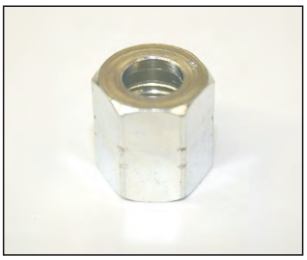
ITEMS	DESCRIPTION	NPT MALE	NPT FEMALE
AT108-06	3/8 NPT MALE - 3/8 NPT FEMALE ON RUN	3/8 NPT	3/8 NPT
AT108-08	1/2 NPT MALE - 1/2 NPT FEMALE ON RUN	1/2 NPT	1/2 NPT
AT108-12	3/4 NPT MALE - 3/4 NPT FEMALE ON RUN	3/4 NPT	3/4 NPT

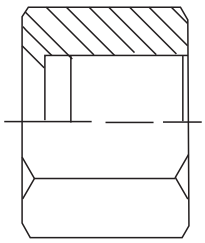




JIC TUBE NUTS

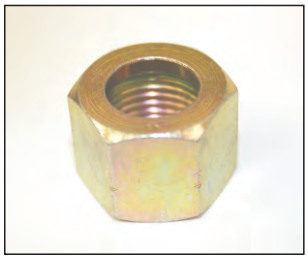
ITEMS	DESCRIPTION	JIC THREAD	TUBE OD
AN109-04	7/16 JIC TUBE NUT	7/16-20	06MM
AN109-05	1/2 JIC TUBE NUT	1/2-20	08MM
AN109-06	9/16 JIC TUBE NUT	9/16-18	10MM
AN109-08	3/4 JIC TUBE NUT	3/4-16	12MM
AN109-10	7/8 JIC TUBE NUT	7/8-14	16MM
AN109-12	1 1/16 JIC TUBE NUT	1 1/16-12	18MM
AN109-12A	1 1/16 JIC TUBE NUT	1 1/16-12	20MM
AN109-16	1 5/16 JIC TUBE NUT	1 5/16-12	25MM
AN109-20	1 5/8 JIC TUBE NUT	1 5/8-12	32MM
AN109-24	1 7/8 JIC TUBE NUT	1 7/8-12	38MM
AN109-32	2 1/2 JIC TUBE NUT	2 1/2-12	50MM

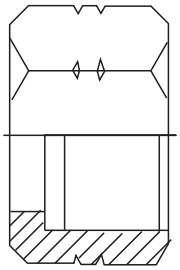




ORFS TUBE NUTS

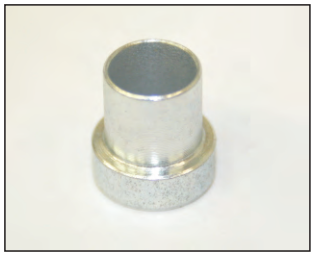
ITEMS	DESCRIPTION	ORFS THREAD	TUBE OD
AN110-04	9/16 ORFS TUBE NUT	9/16-18	06MM
AN110-06	11/16 ORFS TUBE NUT	11/16-16	10MM
AN110-08	13/16 ORFS TUBE NUT	13/16-16	12MM
AN110-10	1" ORFS TUBE NUT	1-14	16MM
AN110-12	1 3/16 ORFS TUBE NUT	1 3/16-12	20MM
AN110-16	1 7/16 ORFS TUBE NUT	1 7/16-12	25MM
AN110-20	1 11/16 ORFS TUBE NUT	1 11/16-12	30MM

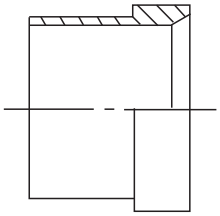




IMPERIAL SLEEVES

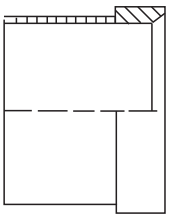
ITEMS	DESCRIPTION	TUBE OD
ASL111-04	1/4 SLEEVE	1/4
ASL111-05	5/16 SLEEVE	5/16
ASL111-06	3/8 SLEEVE	3/8
ASL111-08	1/2 SLEEVE	1/2
ASL111-10	5/8 SLEEVE	5/8
ASL111-12	3/4 SLEEVE	3/4
ASL111-16	1" SLEEVE	1"
ASL111-20	1 1/4 SLEEVE	1 1/4

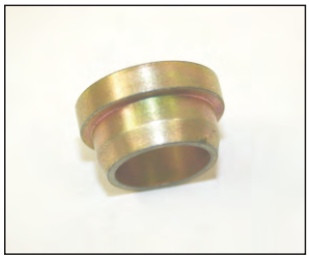
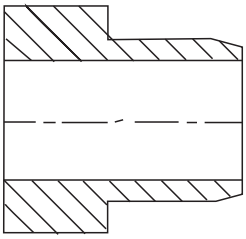




METRIC SLEEVES

ITEMS	DESCRIPTION	TUBE OD	AN109 NUT TO SUIT
ASL112-06	06MM SLEEVE	06MM	-04
ASL112-08	08MM SLEEVE	08MM	-05
ASL112-10	10MM SLEEVE	10MM	-06
ASL112-12	12MM SLEEVE	12MM	-08
ASL112-14	14MM SLEEVE	14MM	
ASL112-15	15MM SLEEVE	15MM	
ASL112-16	16MM SLEEVE	16MM	-10
ASL112-18	18MM SLEEVE	18MM	-12
ASL112-20	20MM SLEEVE	20MM	
ASL112-20A	20MM SLEEVE	20MM	-12A
ASL112-22	22MM SLEEVE	22MM	
ASL112-25	25MM SLEEVE	25MM	-16
ASL112-28	28MM SLEEVE	28MM	
ASL112-30	30MM SLEEVE	30MM	
ASL112-32	32MM SLEEVE	32MM	
ASL112-38	38MM SLEEVE	38MM	



ORFS SLEEVES

ITEMS	DESCRIPTION	TUBE OD	AN110 NUT TO SUIT
ASL113-06	06MM ORFS SLEEVE	06MM	-04
ASL113-10	10MM ORFS SLEEVE	10MM	-06
ASL113-12	12MM ORFS SLEEVE	12MM	-08
ASL113-16	16 MM ORFS SLEEVE	16MM	-10
ASL113-20	20MM ORFS SLEEVE	20MM	-12
ASL113-25	25MM ORFS SLEEVE	25MM	-16
ASL113-30	30MM ORFS SLEEVE	30MM	-20