



Unit 8/2 Carson Road
Malaga WA 6090
P: 08 9248 9994
F: 08 9248 9995
E: sales@couplers.com.au
www.couplers.com.au

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HYDRAULIC HOSE

R1 - 1 WIRE HYDRAULIC HOSE



Uses: Recommended for medium pressure hydraulic oil lines

Inner Tube: Black, oil resistant, Nitrile

Reinforcement: One braid of high-tensile steel wire

Cover: Black, oil and abrasion resistant, Modified Nitrile

Working Temp: -40°C to 100°C

SIZE ID	PART NUMBER	WP (PSI)	BP (PSI)
1/4"	H/HR1-04	3275	13100
3/8"	H/HR1-06	2600	10400
1/2"	H/HR1-08	2325	9300
5/8"	H/HR1-10	1900	7600
3/4"	H/HR1-12	1525	6100
1"	H/HR1-16	1275	5100
1.1/4"	H/HR1-20	925	3700
1.1/2"	H/HR1-24	725	2900
2"	H/HR1-32	600	2700

R2 - 2 WIRE HYDRAULIC HOSE



Uses: Recommended for high pressure hydraulic oil lines

Inner Tube: Black, oil resistant, Nitrile

Reinforcement: Two braids of high-tensile steel wire

Cover: Black, oil and abrasion resistant, Modified Nitrile

Working Temp: -40°C to 100°C

SIZE ID	PART NUMBER	WP (PSI)	BP (PSI)
1/4"	H/HR2-04	5800	23200
3/8"	H/HR2-06	4800	19200
1/2"	H/HR2-08	4000	16000
5/8"	H/HR2-10	3625	14500
3/4"	H/HR2-12	3100	12400
1"	H/HR2-16	2400	9600
1.1/4"	H/HR2-20	1825	7300
1.1/2"	H/HR2-24	1300	5000
2"	H/HR2-32	1175	4500

HYDRAULIC HOSE

R7 - THERMOPLASTIC HOSE



Uses: Recommended for medium pressure hydraulic lines. Suitable for water, synthetic and petroleum based hydraulic systems. Ideal for use in pressure and carpet cleaning. Great flexibility and a smooth cover so not to rub or mark

Inner Tube: White, Thermoplastic Elastomer

Reinforcement: One braid of Synthetic Fibre

Cover: Black, Pin pricked Polyurethane

Working Temp: -40°C to 100°C
(Do not exceed 70°C for air & water based fluids)

SIZE ID	PART NUMBER	WP (PSI)	BP (PSI)
1/8"	H/HR7-02	3000	12000
3/16"	H/HR7-03	3000	12000
1/4"	H/HR7-04	2750	11000
3/8"	H/HR7-06	2250	9000
1/2"	H/HR7-08	2050	8200

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R7NC - THERMOPLASTIC NON CONDUCTIVE



Uses: Recommended for medium pressure hydraulic lines. Suitable for water, synthetic and petroleum based hydraulic systems. Suitable for pneumatic systems up to 500psi

Inner Tube: White Nylon

Reinforcement: One braid of Synthetic Fibre

Cover: Orange Polyurethane

Working Temp: -54°C to 93°C
(Do not exceed 70°C for air & water based fluids)

SIZE ID	R7 NON CONDUCTIVE	R7 TWIN / DUAL LINE	WP (PSI)	BP (PSI)
3/16"	H/HR7NC-03	-	3000	12000
1/4"	H/HR7NC-04	-	2750	11000
3/8"	H/HR7NC-06	H/HR7NCDL-06	2250	9000
1/2"	H/HR7NC-08	-	2000	8000
3/4"	H/HR7NC-12	-	1250	5000

HYDRAULIC HOSE

R7 - SEWER JET HOSE (60m WITH ENDS)



Uses: Standard sewer cleaning applications, heavy duty construction, bonded tube and cover for optimum cut and wear resistance, lightweight

Inner Tube: Thermoplastic Elastomer

Reinforcement: 1 or 2 braids of high tensile synthetic fibre

Cover: Blue or Orange Polyurethane

Working Temp: -40°C to 60°C

SIZE ID	PART NUMBER	ENDS	WP (PSI)	BP (PSI)
3/16"	H/HR7-SEWER-03	3/16" MBSP	3000	7500
1/4"	H/HR7-SEWER-04	1/4" MBSP	3000	7500
3/8"	H/HR7-SEWER-06	3/8" MBSP	3000	7500
1/2"	H/HR7-SEWER-08	1/2" MNPT	3000	7500
3/4"	H/HR7-SEWER-12	3/4" MNPT	3000	7500
1"	H/HR7-SEWER-16	1" MNPT	3000	7500

HYDRAULIC HOSE

R14 - STAINLESS BRAIDED TEFLON (TRUE BORE)



Uses: Recommended for high temp oil, compressor and water lines. Also suitable for food and fuel transfer.

Inner Tube: PTFE Anti-static tube

Cover: Stainless steel wire braid

Working Temp: -70°C to 260°C

SIZE ID	PART NUMBER	WP (PSI)	BP (PSI)
3/16"	H/HR14-03	3830	11501
1/4"	H/HR14-04	3250	9746
5/16"	H/HR14-05	3000	9000
3/8"	H/HR14-06	2650	8000
1/2"	H/HR14-08	2335	7000
5/8"	H/HR14-10	1650	5000
3/4"	H/HR14-12	1500	4500
1"	H/HR14-16	1160	3500

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R14C - STAINLESS BRAIDED CONVOLUTED TEFLON (TRUE BORE)



Uses: General purpose convoluted PTFE hose, convolutions self cleaning spiral construction. Recommended for food transfer, chemical dosing, hydraulic and water transfer.

Inner Tube: PTFE Anti-static tube (convoluted)

Cover: Stainless steel wire braid

Working Temp: -70°C to 260°C

SIZE ID	PART NUMBER	WP (PSI)	BP (PSI)
3/8"	H/HR14-06-C	2000	6000
1/2"	H/HR14-08-C	1500	4500
5/8"	H/HR14-10-C	1200	3600
3/4"	H/HR14-12-C	1000	3000
1"	H/HR14-16-C	670	2000
1.1/4"	H/HR14-20-C	500	1500
1.1/2"	H/HR14-24-C	435	1305
2"	H/HR14-32-C	330	1000

HYDRAULIC HOSE

R12 - EFG4K MULTISPIRAL



Uses: Extremely high pressure , high impulse applications

Inner Tube: Black, oil resistant synthetic rubber

Reinforcement: 4 alternating layers of spiraled, high tensile steel wire

Cover: Black, oil resistant synthetic rubber. Blue stripe with white print

Working Temp: -40°C to 121°C

SIZE ID	PART NUMBER	WP (PSI)	BP (PSI)
3/8"	H/HR12-06	4000	16000
1/2"	H/HR12-08	4000	16000
5/8"	H/HR12-10	4000	16000
3/4"	H/HR12-12	4000	16000
1"	H/HR12-16	4000	16000
1.1/4"	H/HR12-20	4000	16000

*** R12 crimp shells and fittings available on request

R15 - EFG6K MEGASPIRAL



Uses: Extremely high pressure , high impulse applications such as hydrostatic transmissions. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluids.

Inner Tube: Black, oil resistant synthetic rubber (Nitrile)

Reinforcement: 4 alternating layers of spiraled, high tensile steel wire (6 layers in -20 & -24)

Cover: Black, oil resistant synthetic rubber (Neoprene). Orange tripe with white print

Working Temp: -40°C to 121°C

SIZE ID	PART NUMBER	WP (PSI)	BP (PSI)
3/8"	H/HR15-06	6000	24000
1/2"	H/HR15-08	6000	24000
5/8"	H/HR15-10	6000	24000
3/4"	H/HR15-12	6000	24000
1"	H/HR15-16	6000	24000
1.1/4"	H/HR15-20	6000	24000
1.1/2"	H/HR15-24	6000	24000

*** R15 crimp shells and fittings available on request

HYDRAULIC HOSE

R5 - ONE WIRE BRAID COTTON COVERED



Uses: Medium pressure hydraulic oil lines, lube oil and diesel fuel lines, air and water in applications such as air brakes, power steering and turbocharger oil supplies. Meets SAE 100R5. Not recommended for gasoline or diesel fuels.

Inner Tube: 1/4" & 5/16" = Black oil and heat resistant rubber
Other sizes = Nitrile

Reinforcement: One braid of high tensile carbon steel wire over one braid of polyester

Cover: Black, oil and mildew resistant poly braid

Working Temp: -40°C to 100°C (Hot air max 71°C, Water max 93°C)

HOSE ID (mm)	HOSE OD (mm)	PART NUMBER	WP (PSI)	BP (PSI)
4.8	13.0	H/HR5-04	3000	12000
6.3	15.0	H/HR5-05	3000	12000
8.0	17.0	H/HR5-06	2250	9000
10.3	19.5	H/HR5-08	2000	8000
12.5	23.5	H/HR5-10	1750	7000
16.0	27.5	H/HR5-12	1500	6000
22.0	31.5	H/HR5-16	800	3200
28.6	38.0	H/HR5-20	625	2500
34.9	44.5	H/HR5-24	500	2000

FC300 AIRBRAKE BLUE



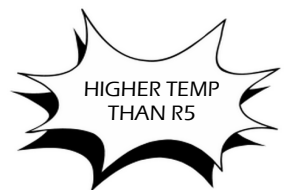
Uses: Exceeds SAE 100R5 specifications. Hydraulics handling petroleum base fluids and air, gasoline, fuel and lubricating oils, fire resistant hydraulic fluids

Inner Tube: AQP elastomer, polyester inner braid

Reinforcement: Single wire braid

Cover: Blue polyester braid cover

Working Temp: -49°C to 150°C. For air to 121°C



HOSE ID (mm)	HOSE OD (mm)	PART NUMBER	WP (PSI)	BP (PSI)
4.8	13.2	H/HFC300-04	3000	12000
6.3	14.7	H/HFC300-05	3000	12000
7.9	17.0	H/HFC300-06	2250	9000
10.4	19.3	H/HFC300-08	2000	8000
12.7	23.6	H/HFC300-10	1750	7000
16.0	27.4	H/HFC300-12	1500	6000
22.3	32.2	H/HFC300-16	800	3200
28.4	38.1	H/HFC300-20	625	2500
35.0	44.4	H/HFC300-24	500	2000
46.0	56.4	H/HFC300-32	300	1200

HYDRAULIC HOSE

MEGATECH 1000



Uses: Recommended for airbrakes, hot oil return and air compressor lines. Not recommended for gasoline or diesel fuels.

Inner Tube: GTS Black tube, compounded for temperature and chemical resistance

Reinforcement: One braid of high tensile steel wire

Cover: Black, oil and mildew resistance textile braid with synthetic braid

Working Temp: Petroleum Based -40°C to 149°C

SIZE ID	PART NUMBER	WP (PSI)	BP (PSI)
1/4"	H/HMT1000-04	1000	4000
3/8"	H/HMT1000-06	1000	4000
1/2"	H/HMT1000-08	1000	4000
5/8"	H/HMT1000-10	1000	4000
3/4"	H/HMT1000-12	1000	4000
1"	H/HMT1000-16	1000	4000
1.1/4"	H/HMT1000-20	1000	4000

PRESSURE WASH HOSE BLUE



Uses: Hot or cold water high pressure cleaning

Inner Tube: Water resistant synthetic rubber

Reinforcement: High tensile two wire steel braid

Cover: Oil resistant, non marking blue synthetic cover

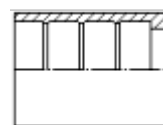
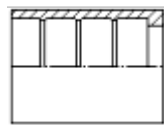
Working Temp: -40°C to 121°C

SIZE ID	PART NUMBER	WP (PSI)	BP (PSI)
1/4"	H/HPW-2-04-BL	5800	23200
3/8"	H/HPW-2-06-BL	5800	19140

***Gates power clean hose available on request, lower pressure rating (one wire)

CRIMP FITTINGS - HYDRAULIC STEEL

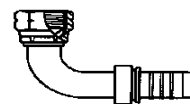
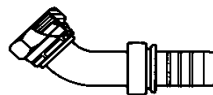
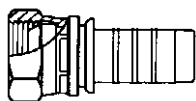
CRIMP SHELLS



SIZE TAIL	R1 & R2 SHELLS (SUIT 1 & 2 WIRE)	R7 & R8 SHELLS (SUIT THERMOPLASTIC)	R14 SHELLS (SUIT R14 HOSE)
3/16"	H/SFR1+2-03	-	H/SFR14-03
1/4"	H/SFR1+2-04	H/SFR7+8-04	H/SFR14-04
5/16"	H/SFR1+2-05	H/SFR7+8-05	H/SFR14-05
3/8"	H/SFR1+2-06	H/SFR7+8-06	H/SFR14-06
1/2"	H/SFR1+2-08	H/SFR7+8-08	H/SFR14-08
5/8"	H/SFR1+2-10	H/SFR7+8-10	H/SFR14-10
3/4"	H/SFR1+2-12	H/SFR7+8-12	H/SFR14-12
1"	H/SFR1+2-16	H/SFR7+8-16	H/SFR14-16
1.1/4"	H/SFR1+2-20	H/SFR7+8-20	-
1.1/2"	H/SFR1+2-24	H/SFR7+8-24	-
2"	H/SFR1+2-32	H/SFR7+8-32	-

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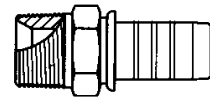
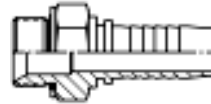
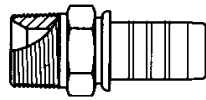
BSPP FEMALE SWAGE HOSE TAILS



SIZE TAIL	SIZE BSPP	BSPP STRAIGHT	BSPP 45° ELBOW	BSPP 90° ELBOW
1/4"	1/8"	H/STB-BSF-0402	-	-
1/4"	1/4"	H/STB-BSF-0404	H/STB-BSF-45S-0404	H/STB-BSF-90S-0404
1/4"	3/8"	H/STB-BSF-0406	-	H/STB-BSF-90S-0406
3/8"	1/4"	H/STB-BSF-0604	-	-
3/8"	3/8"	H/STB-BSF-0606	H/STB-BSF-45S-0606	H/STB-BSF-90S-0606
3/8"	1/2"	H/STB-BSF-0608	H/STB-BSF-45S-0608	-
1/2"	1/2"	H/STB-BSF-0808	H/STB-BSF-45S-0808	H/STB-BSF-90S-0808
5/8"	5/8"	H/STB-BSF-1010	H/STB-BSF-45S-1010	H/STB-BSF-90S-1010
5/8"	3/4"	H/STB-BSF-1012	-	-
3/4"	3/4"	H/STB-BSF-1212	H/STB-BSF-45S-1212	H/STB-BSF-90S-1212
1"	1"	H/STB-BSF-1616	H/STB-BSF-45S-1616	H/STB-BSF-90S-1616
1.1/4"	1.1/4"	H/STB-BSF-2020	H/STB-BSF-45S-2020	H/STB-BSF-90S-2020
1.1/2"	1.1/2"	H/STB-BSF-2424	H/STB-BSF-45S-2424	H/STB-BSF-90S-2424
2"	2"	H/STB-BSF-3232	H/STB-BSF-45S-3232	-

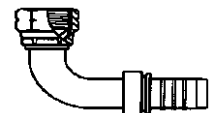
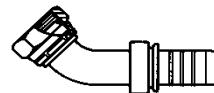
CRIMP FITTINGS - HYDRAULIC STEEL

BSPT, BSPP & NPT MALE SWAGE HOSE TAILS



SIZE TAIL	SIZE THREAD	BSPT	BSPP	NPT
1/4"	1/8"	H/STB-BTM-0402	-	H/STB-NTM-0402
1/4"	1/4"	H/STB-BTM-0404	H/STB-BPM-0404	H/STB-NTM-0404
1/4"	3/8"	H/STB-BTM-0406	H/STB-BPM-0406	H/STB-NTM-0406
3/8"	1/4"	H/STB-BTM-0604	-	H/STB-NTM-0604
3/8"	3/8"	H/STB-BTM-0606	H/STB-BPM-0606	H/STB-NTM-0606
3/8"	1/2"	H/STB-BTM-0608	H/STB-BPM-0608	H/STB-NTM-0608
1/2"	3/8"	H/STB-BTM-0806	-	H/STB-NTM-0806
1/2"	1/2"	H/STB-BTM-0808	H/STB-BPM-0808	H/STB-NTM-0808
3/4"	3/4"	H/STB-BTM-1212	-	H/STB-NTM-1212
3/4"	1"	H/STB-BTM-1216	-	-
1"	1"	H/STB-BTM-1616	-	H/STB-NTM-1616
1.1/4"	1.1/4"	H/STB-BTM-2020	-	H/STB-NTM-2020
1.1/2"	1.1/2"	H/STB-BTM-2424	-	H/STB-NTM-2424
2"	2"	H/STB-BTM-3232	-	H/STB-NTM-3232

JIC SWAGE FEMALE HOSE TAILS



SIZE TAIL	SIZE JIC	JIC STRAIGHT	JIC 45° ELBOW	JIC 90° ELBOW
3/16"	7/16"	H/STB-JSF-0307	-	-
1/4"	7/16"	H/STB-JSF-0407	H/STB-JSF-45S-0407	H/STB-JSF-90S-0407
1/4"	1/2"	H/STB-JSF-0408	H/STB-JSF-45S-0408	H/STB-JSF-90S-0408
1/4"	9/16"	H/STB-JSF-0409	H/STB-JSF-45S-0409	H/STB-JSF-90S-0409
3/8"	9/16"	H/STB-JSF-0609	H/STB-JSF-45S-0609	H/STB-JSF-90S-0609
3/8"	5/8"	H/STB-JSF-0610	-	-
3/8"	3/4"	H/STB-JSF-0612	H/STB-JSF-45S-0612	H/STB-JSF-90S-0612
3/8"	7/8"	H/STB-JSF-0614	-	H/STB-JSF-45S-0614
1/2"	9/16"	H/STB-JSF-0809	-	-
1/2"	3/4"	H/STB-JSF-0812	H/STB-JSF-45S-0812	H/STB-JSF-90S-0812
1/2"	7/8"	H/STB-JSF-0814	H/STB-JSF-45S-0814	H/STB-JSF-90S-0814

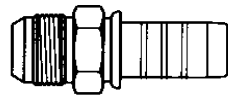
CRIMP FITTINGS - HYDRAULIC STEEL

JIC SWAGE FEMALE HOSE TAILS CONT...

SIZE TAIL	SIZE JIC	JIC STRAIGHT	JIC 45° ELBOW	JIC 90° ELBOW
1/2"	1.1/16"	H/STB-JSF-0817	-	H/STB-JSF-90S-0817
5/8"	3/4"	H/STB-JSF-1012	-	-
5/8"	7/8"	H/STB-JSF-1014	H/STB-JSF-45S-1014	H/STB-JSF-90S-1014
5/8"	1.1/16"	H/STB-JSF-1017	H/STB-JSF-45S-1017	H/STB-JSF-90S-1017
3/4"	7/8"	H/STB-JSF-1214	H/STB-JSF-45S-1214	H/STB-JSF-90S-1214
3/4"	1.1/16"	H/STB-JSF-1217	H/STB-JSF-45S-1217	H/STB-JSF-90S-1217
3/4"	1.5/16"	H/STB-JSF-1221	H/STB-JSF-45S-1221	H/STB-JSF-90S-1221
1"	1.1/16"	H/STB-JSF-1617	-	-
1"	1.5/16"	H/STB-JSF-1621	H/STB-JSF-45S-1621	H/STB-JSF-90S-1621
1.1/4"	1.5/8"	H/STB-JSF-2026	H/STB-JSF-45S-2026	H/STB-JSF-90S-2026
1.1/2"	1.7/8"	H/STB-JSF-2430	H/STB-JSF-45S-2430	H/STB-JSF-90S-2430
2.1/2"	2"	H/STB-JSF-3240	H/STB-JSF-45S-3240	H/STB-JSF-90S-3240

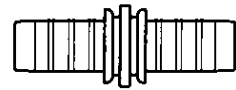
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JIC SWAGE MALE HOSE TAILS



SIZE TAIL	SIZE JIC	JIC
1/4"	7/16"	H/STB-JIM-0407
1/4"	1/2"	H/STB-JIM-0408
1/4"	9/16"	H/STB-JIM-0409
3/8"	9/16"	H/STB-JIM-0609
3/8"	3/4"	H/STB-JIM-0612
1/2"	3/4"	H/STB-JIM-0812
1/2"	7/8"	H/STB-JIM-0814
5/8"	7/8"	H/STB-JIM-1014
5/8"	1.1/16"	H/STB-JIM-1017
3/4"	1.1/16"	H/STB-JIM-1217
1"	1.5/16"	H/STB-JIM-1621

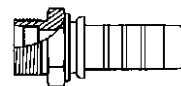
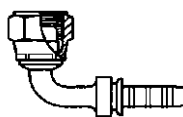
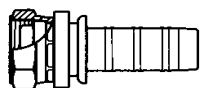
JOINER SWAGE HOSE TAILS



SIZE TAIL	SIZE TAIL	HOSE JOINER
1/4"	1/4"	H/STB-STB-0404
3/8"	3/8"	H/STB-STB-0606
1/2"	1/2"	H/STB-STB-0808
3/4"	3/4"	H/STB-STB-1212

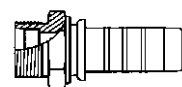
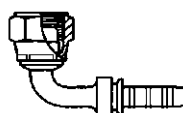
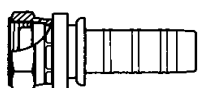
CRIMP FITTINGS - HYDRAULIC STEEL

METRIC LIGHT SWAGE HOSE TAILS



SIZE TAIL	SIZE MET	METRIC LIGHT STRAIGHT	METRIC LIGHT 90° ELBOW	METRIC LIGHT STRAIGHT MALE
1/4"	12mm	H/STB-MLF-0412(6L)	H/STB-MLF-90S-0412(6L)	-
1/4"	14mm	H/STB-MLF-0414(8L)	H/STB-MLF-90S-0414(8L)	H/STB-MLM-0414(8L)
1/4"	16mm	H/STB-MLF-0416(10L)	H/STB-MLF-90S-0416(10L)	-
3/8"	16mm	H/STB-MLF-0616(10L)	H/STB-MLF-90S-0616(10L)	H/STB-MLM-0616(10L)
3/8"	18mm	H/STB-MLF-0618(12L)	H/STB-MLF-90S-0618(12L)	H/STB-MLM-0618(12L)
1/2"	22mm	H/STB-MLF-0822(15L)	H/STB-MLF-90S-0822(15L)	H/STB-MLM-0822(15L)
1/2"	26mm	H/STB-MLF-0826(18L)	H/STB-MLF-90S-0826(18L)	H/STB-MLM-0826(18L)
5/8"	26mm	H/STB-MLF-1026(18L)	H/STB-MLF-90S-1026(18L)	H/STB-MLM-1026(18L)
3/4"	30mm	H/STB-MLF-1230(22L)	H/STB-MLF-90S-1230(22L)	H/STB-MLM-1230(22L)

METRIC HEAVY SWAGE HOSE TAILS



SIZE TAIL	SIZE MET	METRIC HEAVY STRAIGHT	METRIC HEAVY 90° ELBOW	METRIC HEAVY STRAIGHT MALE
1/4"	14mm	H/STB-MSF-0414(6S)	H/STB-MSF-90S-0414(6S)	H/STB-MSM-0414(6S)
1/4"	16mm	H/STB-MSF-0416(8S)	H/STB-MSF-90S-0416(8S)	H/STB-MSM-0416(8S)
1/4"	18mm	H/STB-MSF-0418(10S)	H/STB-MSF-90S-0418(10S)	H/STB-MSM-0418(10S)
3/8"	20mm	H/STB-MSF-0620(12S)	H/STB-MSF-90S-0620(12S)	H/STB-MSM-0620(12S)
1/2"	24mm	H/STB-MSF-0824(16S)	H/STB-MSF-90S-0824(16S)	H/STB-MSM-0824(16S)

METRIC BANJO SWAGE HOSE TAILS



SIZE TAIL	SIZE BANJO	STRAIGHT
1/4"	10mm	H/STB-MBJ-0410
1/4"	12mm	H/STB-MBJ-0412
1/4"	14mm	H/STB-MBJ-0414
1/4"	16mm	H/STB-MBJ-0416
3/8"	14mm	H/STB-MBJ-0614
3/8"	16mm	H/STB-MBJ-0616
3/8"	18mm	H/STB-MBJ-0618
1/2"	18mm	H/STB-MBJ-0818

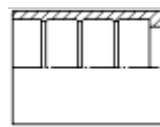
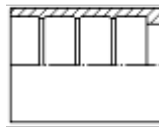
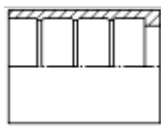
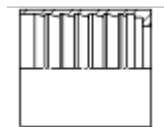
TUBEWELD SWAGE HOSE TAILS



SIZE TAIL	SIZE TUBE	STRAIGHT
1/4"	1/4"	H/STB-TWF-0404
3/8"	3/8"	H/STB-TWF-0606
1/2"	1/2"	H/STB-TWF-0808

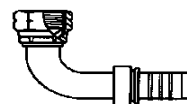
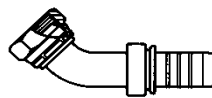
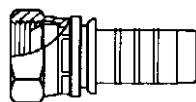
CRIMP FITTINGS - STAINLESS STEEL

CRIMP SHELLS



SIZE TAIL	R1 & R2 SHELLS (SUIT 1 & 2 WIRE)	R7 & R8 SHELLS (SUIT THERMO)	R14 SHELLS (SUIT R14 HOSE) SMOOTH	R14C SHELLS (SUIT R14C HOSE) CONVOLUTED
3/16"	-	H/SS-SFR7+8-03	-	-
1/4"	H/SS-SFR1+2-04	H/SS-SFR7+8-04	H/SS-SFR14-04	
5/16"	H/SS-SFR1+2-05	H/SS-SFR7+8-05	-	-
3/8"	H/SS-SFR1+2-06	H/SS-SFR7+8-06	-	H/SS-SFR14-06-C
1/2"	H/SS-SFR1+2-08	H/SS-SFR7+8-08	H/SS-SFR14-08	H/SS-SFR14-08-C
5/8"	H/SS-SFR1+2-10	H/SS-SFR7+8-10	H/SS-SFR14-10	H/SS-SFR14-10-C
3/4"	H/SS-SFR1+2-12	H/SS-SFR7+8-12	H/SS-SFR14-12	H/SS-SFR14-12-C
1"	H/SS-SFR1+2-16	H/SS-SFR7+8-16	H/SS-SFR14-16	H/SS-SFR14-16-C
1.1/4"	-	-	H/SS-SFR14-20	H/SS-SFR14-20-C
1.1/2"	-	-	H/SS-SFR14-24	H/SS-SFR14-24-C
2"	-	-	H/SS-SFR14-32	H/SS-SFR14-32-C

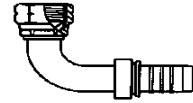
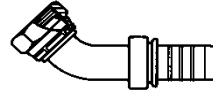
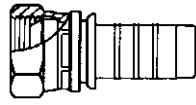
BSPP FEMALE SWAGE HOSE TAILS



SIZE TAIL	SIZE BSPP	BSPP STRAIGHT	BSPP 45° ELBOW	BSPP 90° ELBOW
1/4"	1/4"	H/SS-STB-BSF-0404	H/SS-STB-BSF-45-0404	H/SS-STB-BSF-90S-0404
3/8"	3/8"	H/SS-STB-BSF-0606	H/SS-STB-BSF-45-0606	H/SS-STB-BSF-90S-0606
1/2"	1/2"	H/SS-STB-BSF-0808	H/SS-STB-BSF-45-0808	H/SS-STB-BSF-90S-0808
3/4"	3/4"	H/SS-STB-BSF-1212	H/SS-STB-BSF-45-1212	H/SS-STB-BSF-90S-1212
1"	1"	H/SS-STB-BSF-1616	H/SS-STB-BSF-45-1616	H/SS-STB-BSF-90S-1616
1.1/4"	1.1/4"	H/SS-STB-BSF-2020	H/SS-STB-BSF-45-2020	H/SS-STB-BSF-90S-2020
1.1/2"	1.1/2"	H/SS-STB-BSF-2424	H/SS-STB-BSF-45-2424	H/SS-STB-BSF-90S-2424
2"	2"	H/SS-STB-BSF-3232	H/SS-STB-BSF-45-3232	H/SS-STB-BSF-90S-3232

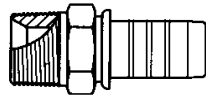
CRIMP FITTINGS - STAINLESS STEEL

JIC FEMALE SWAGE HOSE TAILS



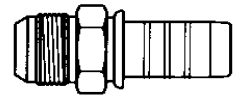
SIZE TAIL	SIZE JIC	JIC STRAIGHT	JIC 45° ELBOW	JIC 90° ELBOW
1/4"	7/16"	H/SS-STB-JSF-0407	H/SS-STB-JSF-45-0407	H/SS-STB-JSF-90S-0407
1/4"	9/16"	H/SS-STB-JSF-0409	H/SS-STB-JSF-45-0409	H/SS-STB-JSF-90S-0409
3/8"	9/16"	H/SS-STB-JSF-0609	H/SS-STB-JSF-45-0609	H/SS-STB-JSF-90S-0609
1/2"	3/4"	H/SS-STB-JSF-0812	H/SS-STB-JSF-45-0812	H/SS-STB-JSF-90S-0812
1/2"	7/8"	H/SS-STB-JSF-0814	H/SS-STB-JSF-45-0814	H/SS-STB-JSF-90S-0814
1/2"	1.1/16"	H/SS-STB-JSF-0817	H/SS-STB-JSF-45-0817	H/SS-STB-JSF-90S-0817
3/4"	1.1/16"	H/SS-STB-JSF-1217	H/SS-STB-JSF-45-1217	H/SS-STB-JSF-90S-1217
1"	1.5/16"	H/SS-STB-JSF-1621	H/SS-STB-JSF-45-1621	H/SS-STB-JSF-90S-1621
1.1/4"	1.5/8"	H/SS-STB-JSF-2026	H/SS-STB-JSF-45-2026	H/SS-STB-JSF-90S-2026
1.1/2"	1.7/8"	H/SS-STB-JSF-2430	H/SS-STB-JSF-45-2430	H/SS-STB-JSF-90S-2430
2"	2.1/2"	H/SS-STB-JSF-3240	H/SS-STB-JSF-45-3240	H/SS-STB-JSF-90S-3240

BSPT SWAGE MALE HOSE TAILS



SIZE TAIL	SIZE BSPT	BSPT STRAIGHT
1/4"	1/4"	H/SS-STB-BTM-0404
3/8"	3/8"	H/SS-STB-BTM-0606
3/8"	1/2"	H/SS-STB-BTM-0608
1/2"	3/8"	H/SS-STB-BTM-0806
1/2"	1/2"	H/SS-STB-BTM-0808
3/4"	3/4"	H/SS-STB-BTM-1212
1"	1"	H/SS-STB-BTM-1616
1.1/4"	1.1/4"	H/SS-STB-BTM-2020
1.1/2"	1.1/2"	H/SS-STB-BTM-2424
2"	2"	H/SS-STB-BTM-3232

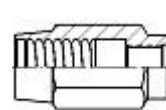
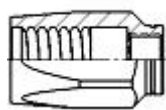
JIC SWAGE MALE HOSE TAILS



SIZE TAIL	SIZE JIC	JIC STRAIGHT
1/4"	7/16"	H/SS-STB-JIM-0407
3/8"	9/16"	H/SS-STB-JIM-0609
1/2"	3/4"	H/SS-STB-JIM-0812
3/4"	1.1/16"	H/SS-STB-JIM-1217
1"	1.5/16"	H/SS-STB-JIM-1621
1.1/4"	1.5/8"	H/SS-STB-JIM-2026
1.1/2"	1.7/8"	H/SS-STB-JIM-2430
2"	2.1/2"	H/SS-STB-JIM-3240

FIELD ATTACHABLE FITTINGS

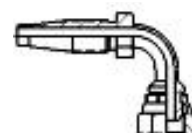
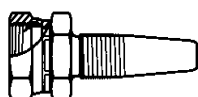
FIELD ATTACHABLE SHELLS



SIZE TAIL	R1 SHELLS (SUIT 1 WIRE)	R2 SHELLS (SUIT 2 WIRE)	R7&8 SHELLS (SUIT THERMOPLASTIC)
3/16"	-	-	H/RFR7+8-03
1/4"	H/RFR1-04	H/RFR2-04	-
3/8"	H/RFR1-06	H/RFR2-06	-
1/2"	H/RFR1-08	H/RFR2-08	-
5/8"	H/RFR1-10	H/RFR2-10	-
3/4"	H/RFR1-12	H/RFR2-12	-
1"	H/RFR1-16	H/RFR2-16	-

7

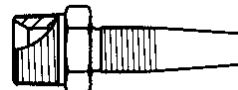
BSPP FEMALE HOSE TAILS



SIZE TAIL	SIZE BSPP	BSPP STRAIGHT	BSPP 45° ELBOW	BSPP 90° ELBOW
1/4"	1/8"	H/RTB-BSF-0402	-	-
1/4"	1/4"	H/RTB-BSF-0404	H/RTB-BSF-45S-0404	H/RTB-BSF-90S-0404
1/4"	3/8"	H/RTB-BSF-0406	-	-
3/8"	1/4"	H/RTB-BSF-0604	-	-
3/8"	3/8"	H/RTB-BSF-0606	H/RTB-BSF-45S-0606	H/RTB-BSF-90S-0606
3/8"	1/2"	H/RTB-BSF-0608	-	H/RTB-BSF-90S-0608
1/2"	3/8"	H/RTB-BSF-0806	-	-
1/2"	1/2"	H/RTB-BSF-0808	H/RTB-BSF-45S-0808	H/RTB-BSF-90S-0808
1/2"	3/4"	H/RTB-BSF-0812	-	-
3/4"	3/4"	H/RTB-BSF-1212	H/RTB-BSF-45S-1212	H/RTB-BSF-90S-1212
3/4"	1"	H/RTB-BSF-1216	-	-
1"	1"	H/RTB-BSF-1616	H/RTB-BSF-45S-1616	H/RTB-BSF-90S-1616

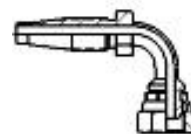
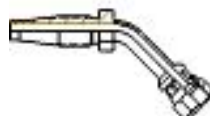
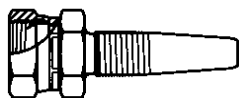
FIELD ATTACHABLE FITTINGS

BSPT & NPT MALE HOSE TAILS



SIZE TAIL	SIZE THREAD	BSPT	NPT
1/4"	1/8"	H/RTB-BTM-0402	-
1/4"	1/4"	H/RTB-BTM-0404	H/RTB-NTM-0404
1/4"	3/8"	H/RTB-BTM-0406	H/RTB-NTM-0406
3/8"	1/4"	H/RTB-BTM-0604	H/RTB-NTM-0604
3/8"	3/8"	H/RTB-BTM-0606	H/RTB-NTM-0606
3/8"	1/2"	H/RTB-BTM-0608	-
1/2"	1/2"	H/RTB-BTM-0808	H/RTB-NTM-0808
3/4"	3/4"	H/RTB-BTM-1212	H/RTB-NTM-1212
1"	1"	H/RTB-BTM-1616	H/RTB-NTM-1616

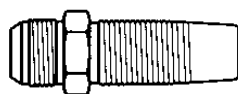
JIC FEMALE HOSE TAILS



SIZE TAIL	SIZE JIC	JIC STRAIGHT	JIC 45° ELBOW	JIC 90° ELBOW
1/4"	7/16"	H/RTB-JSF-0407	H/RTB-JSF-45-0407	H/RTB-JSF-90S-0407
1/4"	1/2"	H/RTB-JSF-0408	H/RTB-JSF-45-0408	H/RTB-JSF-90S-0408
1/4"	9/16"	H/RTB-JSF-0409	H/RTB-JSF-45-0409	H/RTB-JSF-90S-0409
3/8"	9/16"	H/RTB-JSF-0609	H/RTB-JSF-45-0609	H/RTB-JSF-90S-0609
3/8"	3/4"	H/RTB-JSF-0612	H/RTB-JSF-45-0612	H/RTB-JSF-90S-0612
3/8"	7/8"	H/RTB-JSF-0614	-	-
1/2"	9/16"	H/RTB-JSF-0809	-	-
1/2"	3/4"	H/RTB-JSF-0812	H/RTB-JSF-45-0812	H/RTB-JSF-90S-0812
1/2"	7/8"	H/RTB-JSF-0814	H/RTB-JSF-45-0814	H/RTB-JSF-90S-0814
1/2"	1.1/16"	H/RTB-JSF-0817	-	-
5/8"	7/8"	H/RTB-JSF-1014	-	H/RTB-JSF-90S-1014
5/8"	1.1/16"	H/RTB-JSF-1017	-	-
3/4"	7/8"	H/RTB-JSF-1214	-	-
3/4"	1.1/16"	H/RTB-JSF-1217	H/RTB-JSF-45-1217	H/RTB-JSF-90S-1217
3/4"	1.5/16"	H/RTB-JSF-1221	-	-
1"	1.1/16"	H/RTB-JSF-1617	-	-
1"	1.5/16"	H/RTB-JSF-1621	H/RTB-JSF-45-1621	H/RTB-JSF-90S-1621

FIELD ATTACHABLE FITTINGS

JIC MALE HOSE TAILS



SIZE TAIL	SIZE JIC	JIC
1/4"	1/2"	H/RTB-JIM-0408
1/4"	9/16"	H/RTB-JIM-0409
3/8"	9/16"	H/RTB-JIM-0609
3/8"	3/4"	H/RTB-JIM-0612
1/2"	3/4"	H/RTB-JIM-0812
1/2"	7/8"	H/RTB-JIM-0814
1/2"	1.1/16"	H/RTB-JIM-0817
5/8"	7/8"	H/RTB-JIM-1014
3/4"	1.1/16"	H/RTB-JIM-1217
3/4"	1.3/16"	H/RTB-JIM-1219
1"	1.5/16"	H/RTB-JIM-1621

JOINER HOSE TAILS



SIZE TAIL	SIZE TAIL	HOSE JOINER
1/4"	1/4"	H/RTB-RTB-0404
3/8"	3/8"	H/RTB-RTB-0606
1/2"	1/2"	H/RTB-RTB-0808
3/4"	3/4"	H/RTB-RTB-1212

7

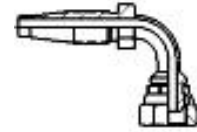
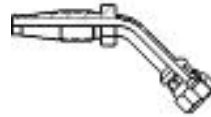
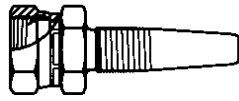
TUBEWELD HOSE TAILS



SIZE TAIL	SIZE TUBE	STRAIGHT
1/4"	1/4"	H/RTB-TWF-0404
3/8"	3/8"	H/RTB-TWF-0606
1/2"	1/2"	H/RTB-TWF-0808

FIELD ATTACHABLE TAILS - SUIT R5 & FC300

JIC FEMALE TAILS TO SUIT R5 & FC300 HOSE



SIZE TAIL	SIZE JIC	JIC STRAIGHT	JIC 45° ELBOW	JIC 90° ELBOW
1/4"	7/16"	H/RR5-JSF-0407 (3/16)	H/RR5-JSF-45-0407 (3/16)	H/RR5-JSF-90S-0407 (3/16)
5/16"	7/16"	H/RR5-JSF-0507 (1/4)	-	-
5/16"	1/2"	H/RR5-JSF-0508 (1/4)	-	-
3/8"	9/16"	H/RR5-JSF-0609 (5/16)	H/RR5-JSF-45-0609 (5/16)	H/RR5-JSF-90S-0609 (5/16)
3/8"	3/4"	H/RR5-JSF-0612 (5/16)	-	H/RR5-JSF-90S-0612 (5/16)
1/2"	3/4"	H/RR5-JSF-0812 (13/32)	H/RR5-JSF-45-0812 (13/32)	H/RR5-JSF-90S-0812 (13/32)
1/2"	7/8"	H/RR5-JSF-0814 (13/32)	-	H/RR5-JSF-90S-0814 (13/32)
5/8"	7/8"	H/RR5-JSF-1014 (1/2)	H/RR5-JSF-45-1014 (1/2)	H/RR5-JSF-90S-1014 (1/2)
3/4"	1.1/16"	H/RR5-JSF-1217 (5/8)	H/RR5-JSF-45-1217 (5/8)	H/RR5-JSF-90S-1217 (5/8)
1"	1.5/16"	H/RR5-JSF-1621 (7/8)	H/RR5-JSF-45-1621 (7/8)	H/RR5-JSF-90S-1621 (7/8)
1.1/4"	1.5/8"	H/RR5-JSF-2026 (1.1/8)	-	H/RR5-JSF-90S-2026 (1.1/8)
1.1/2"	1.7/8"	H/RR5-JSF-2430 (1.3/8)	-	-

NPT MALE TAILS TO SUIT R5 & FC300 HOSE



SIZE TAIL	SIZE NPT	NPT
1/4"	1/8"	H/RR5-NTM-0402 (3/16)
1/4"	1/4"	H/RR5-NTM-0404 (3/16)
5/16"	1/8"	H/RR5-NTM-0502 (1/4)
5/16"	1/4"	H/RR5-NTM-0504 (1/4)
3/8"	1/4"	H/RR5-NTM-0604 (5/16)
3/8"	3/8"	H/RR5-NTM-0606 (5/16)
1/2"	3/8"	H/RR5-NTM-0806 (13/32)
1/2"	1/2"	H/RR5-NTM-0808 (13/32)
5/8"	1/2"	H/RR5-NTM-1008 (1/2)
3/4"	3/4"	H/RR5-NTM-1212 (5/8)
1"	3/4"	H/RR5-NTM-1612 (7/8)
1"	1"	H/RR5-NTM-1616 (7/8)
1.1/4"	1.1/4"	H/RR5-NTM-2020 (1.1/8)
1.1/2"	1.1/2"	H/RR5-NTM-2424 (1.3/8)

AIR CONDITIONING HOSE & FITTINGS

AIR CONDITIONING HOSE



Uses Tested to SAE J2064. Suitable for R134a, R12 & R404 blend refrigerants

Inner Tube: Chloroprene blend compound

Reinforcement: Single braid polyester reinforcement

Cover: EPDM

Working Temp: -40°C to 135°C

SIZE (NOMINAL)	PART NUMBER	HOSE ID (mm)	HOSE OD (mm)	BP (psi)
5/16"	H/HAC-06	8.6	15.2	2800
13/32"	H/HAC-08	11.2	17.8	2500
1/2"	H/HAC-10	13.5	19.9	2400
5/8"	H/HAC-12	16.6	24.1	1900

FEMALE TAILS TO SUIT AIRCON HOSE - FLARE & O-RING



SIZE TAIL	SIZE JIC	FLARE STRAIGHT	FLARE 45° ELBOW	FLARE 90° ELBOW
3/8"	5/8"	H/SAC-ACF-0610 (5/16)	H/SAC-ACF-45S-0610 (5/16)	H/SAC-ACF-90S-0610 (5/16)
1/2"	3/4"	H/SAC-ACF-0812 (13/32)	H/SAC-ACF-45S-0812 (13/32)	H/SAC-ACF-90S-0812 (13/32)
5/8"	7/8"	H/SAC-ACF-1014 (1/2)	H/SAC-ACF-45S-1014 (1/2)	H/SAC-ACF-90S-1014 (1/2)
3/4"	1.1/16"	H/SAC-ACF-1217 (5/8)	H/SAC-ACF-45S-1217 (5/8)	H/SAC-ACF-90S-1217 (5/8)

SIZE TAIL	SIZE JIC	O-RING STRAIGHT	O-RING 45° ELBOW	O-RING 90° ELBOW
3/8"	5/8"	H/SAC-ACO-0606 (5/16)	H/SAC-ACO-45S-0606 (5/16)	H/SAC-ACO-90S-0606 (5/16)
1/2"	3/4"	H/SAC-ACO-0808 (13/32)	H/SAC-ACO-45S-0808 (13/32)	H/SAC-ACO-90S-0808 (13/32)
5/8"	7/8"	H/SAC-ACO-1010 (1/2)	H/SAC-ACO-45S-1010 (1/2)	H/SAC-ACO-90S-1010 (1/2)
3/4"	1.1/16"	H/SAC-ACO-1212 (5/8)	H/SAC-ACO-45S-1212 (5/8)	H/SAC-ACO-90S-1212 (5/8)

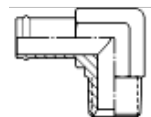
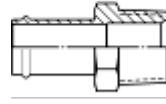
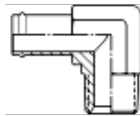
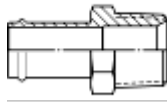
AIRCON SWAGE BODY



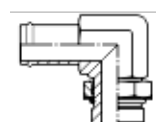
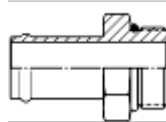
SIZE TAIL	AIRCON CRIMP
3/8"	H/SFAC-06
1/2"	H/SFAC-08
5/8"	H/SFAC-10
3/4"	H/SFAC-12

LOW PRESSURE TAILS

MALE HOSE TAILS



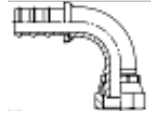
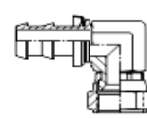
SIZE TAIL	SIZE THREAD	BSPT STRAIGHT	BSPT 90° ELBOW	NPT STRAIGHT	NPT 90° ELBOW
3/4"	1/2"	H/LPT-BTM-1208	H/LPT-BTM-90C-1208	H/LPT-NTM-1208	-
3/4"	3/4"	H/LPT-BTM-1212	H/LPT-BTM-90C-1212	H/LPT-NTM-1212	H/LPT-NTM-90C-1212
3/4"	1"	H/LPT-BTM-1216	H/LPT-BTM-90C-1216	-	-
1"	3/4"	H/LPT-BTM-1612	H/LPT-BTM-90C-1612	H/LPT-NTM-1612	H/LPT-NTM-90C-1612
1"	1"	H/LPT-BTM-1616	H/LPT-BTM-90C-1616	H/LPT-NTM-1616	H/LPT-NTM-90C-1616
1"	1.1/4"	H/LPT-BTM-1620	H/LPT-BTM-90C-1620	-	-
1.1/4"	3/4"	H/LPT-BTM-2012	H/LPT-BTM-90C-2012	-	-
1.1/4"	1"	H/LPT-BTM-2016	H/LPT-BTM-90C-2016	H/LPT-NTM-2016	H/LPT-NTM-90C-2016
1.1/4"	1.1/4"	H/LPT-BTM-2020	H/LPT-BTM-90C-2020	H/LPT-NTM-2020	H/LPT-NTM-90C-2020
1.1/2"	1"	H/LPT-BTM-2416	H/LPT-BTM-90C-2416	-	-
1.1/2"	1.1/4"	H/LPT-BTM-2420	H/LPT-BTM-90C-2420	H/LPT-NTM-2420	-
1.1/2"	1.1/2"	H/LPT-BTM-2424	H/LPT-BTM-90C-2424	H/LPT-NTM-2424	H/LPT-NTM-90C-2424
2"	1.1/2"	H/LPT-BTM-3224	-	-	-
2"	2"	H/LPT-BTM-3232	-	H/LPT-NTM-3232	-



SIZE TAIL	SIZE UNO	UNO STRAIGHT	UNO 90° ELBOW
3/4"	1.1/16"	H/LPT-UNM-1217	H/LPT-UNM-1217
1"	1.1/16"	H/LPT-UNM-1617	H/LPT-UNM-1617
1"	1.5/16"	H/LPT-UNM-1621	H/LPT-UNM-1621
1.1/4"	1.5/16"	H/LPT-UNM-2021	H/LPT-UNM-2021
1.1/4"	1.5/8"	H/LPT-UNM-2026	H/LPT-UNM-2026
1.1/2"	1.5/16"	H/LPT-UNM-2421	H/LPT-UNM-2421
1.1/2"	1.5/8"	H/LPT-UNM-2426	H/LPT-UNM-2426
1.1/2"	1.7/8"	H/LPT-UNM-2430	H/LPT-UNM-2430

PUSH LOCK TAILS

BSP HOSE TAILS



SIZE TAIL	SIZE BSP	BSPT MALE STRAIGHT	BSPP FEMALE STRAIGHT	BSPP FEMALE 90° CLOSE	BSPP FEMALE 90° SWEPT
1/4"	1/8"	H/PTB-BTM-0402	-	-	-
1/4"	1/4"	H/PTB-BTM-0404	H/PTB-BSF-0404	H/PTB-BSF-90C-0404	H/PTB-BSF-90S-0404
1/4"	3/8"	H/PTB-BTM-0406	H/PTB-BSF-0406	-	-
5/16"	1/4"	H/PTB-BTM-0504	H/PTB-BSF-0504	H/PTB-BSF-90C-0504	-
3/8"	1/4"	H/PTB-BTM-0604	H/PTB-BSF-0604	-	-
3/8"	3/8"	H/PTB-BTM-0606	H/PTB-BSF-0606	H/PTB-BSF-90C-0606	H/PTB-BSF-90S-0606
1/2"	3/8"	H/PTB-BTM-0806	H/PTB-BSF-0806	-	-
1/2"	1/2"	H/PTB-BTM-0808	H/PTB-BSF-0808	H/PTB-BSF-90C-0808	H/PTB-BSF-90S-0808
3/4"	3/4"	H/PTB-BTM-1212	H/PTB-BSF-1212	H/PTB-BSF-90C-1212	H/PTB-BSF-90S-1212

JIC HOSE TAILS



SIZE TAIL	SIZE JIC	JIC MALE STRAIGHT	JIC FEMALE STRAIGHT	JIC FEMALE 90° CLOSE	JIC FEMALE 90° SWEPT
1/4"	7/16"	H/PTB-JIM-0407	H/PTB-JSF-0407	H/PTB-JSF-90C-0407	H/PTB-JSF-90S-0407
1/4"	1/2"	-	H/PTB-JSF-0408	-	-
1/4"	9/16"	-	H/PTB-JSF-0409	H/PTB-JSF-90C-0409	H/PTB-JSF-90S-0409
5/16"	1/2"	-	H/PTB-JSF-0508	-	-
5/16"	9/16"	-	H/PTB-JSF-0509	-	-
3/8"	9/16"	H/PTB-JIM-0609	H/PTB-JSF-0609	H/PTB-JSF-90C-0609	H/PTB-JSF-90S-0609
3/8"	3/4"	H/PTB-JIM-0612	H/PTB-JSF-0612	H/PTB-JSF-90C-0612	H/PTB-JSF-90S-0612
1/2"	3/4"	H/PTB-JIM-0812	H/PTB-JSF-0812	H/PTB-JSF-90C-0812	H/PTB-JSF-90S-0812
1/2"	7/8"	-	H/PTB-JSF-0814	-	H/PTB-JSF-90S-0814
5/8"	7/8"	-	H/PTB-JSF-1014	-	-
3/4"	3/4"	-	H/PTB-JSF-1212	-	-
3/4"	1.1/16"	-	H/PTB-JSF-1217	H/PTB-JSF-90C-1217	H/PTB-JSF-90S-1217

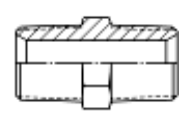
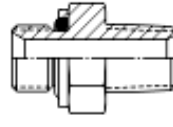
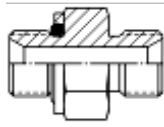
HOSETAIL JOINER



SIZE TAIL	SIZE TAIL	HOSE TAIL x HOSE TAIL
1/4"	1/4"	H/PTB-PTB-0404
3/8"	3/8"	H/PTB-PTB-0606
1/2"	1/2"	H/PTB-PTB-0808

ADAPTORS - NIPPLES

BSP NIPPLES



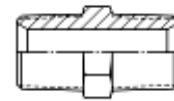
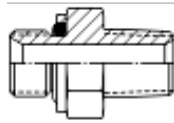
SIZE BSP	SIZE BSP	BSPP x BSPP	BSPP x BSPT	BSPT x BSPT
1/8"	1/8"	H/BPM-BPM-0202	H/BPM-BTM-0202	H/BTM-BTM-0202
1/8"	1/4"	H/BPM-BPM-0204	H/BPM-BTM-0204	H/BTM-BTM-0204
1/8"	3/8"	-	-	H/BTM-BTM-0206
1/4"	1/8"	-	H/BPM-BTM-0402	-
1/4"	1/4"	H/BPM-BPM-0404	H/BPM-BTM-0404	H/BTM-BTM-0404
1/4"	3/8"	H/BPM-BPM-0406	H/BPM-BTM-0406	H/BTM-BTM-0406
1/4"	1/2"	H/BPM-BPM-0408	H/BPM-BTM-0408	H/BTM-BTM-0408
1/4"	3/4"	H/BPM-BPM-0412	-	H/BTM-BTM-0412
3/8"	1/4"	-	H/BPM-BTM-0604	-
3/8"	3/8"	H/BPM-BPM-0606	H/BPM-BTM-0606	H/BTM-BTM-0606
3/8"	1/2"	H/BPM-BPM-0608	H/BPM-BTM-0608	H/BTM-BTM-0608
3/8"	3/4"	H/BPM-BPM-0612	H/BPM-BTM-0612	H/BTM-BTM-0612
3/8"	1"	-	-	H/BTM-BTM-0616
1/2"	1/4"	-	H/BPM-BTM-0804	-
1/2"	3/8"	-	H/BPM-BTM-0806	-
1/2"	1/2"	H/BPM-BPM-0808	H/BPM-BTM-0808	H/BTM-BTM-0808
1/2"	5/8"	H/BPM-BPM-0810	-	H/BTM-BTM-0810
1/2"	3/4"	H/BPM-BPM-0812	H/BPM-BTM-0812	H/BTM-BTM-0812
1/2"	1"	H/BPM-BPM-0816	H/BPM-BTM-0816	H/BTM-BTM-0816
5/8"	5/8"	H/BPM-BPM-1010	H/BPM-BTM-1010	H/BTM-BTM-1010
5/8"	3/4"	-	-	H/BTM-BTM-1012
3/4"	3/8"	-	H/BPM-BTM-1206	-
3/4"	1/2"	-	H/BPM-BTM-1208	-
3/4"	3/4"	H/BPM-BPM-1212	H/BPM-BTM-1212	H/BTM-BTM-1212
3/4"	1"	H/BPM-BPM-1216	H/BPM-BTM-1216	H/BTM-BTM-1216
3/4"	1.1/4"	H/BPM-BPM-1220	H/BPM-BTM-1220	H/BTM-BTM-1220
1"	1/2"	-	H/BPM-BTM-1608	-
1"	3/4"	-	H/BPM-BTM-1612	-
1"	1"	H/BPM-BPM-1616	H/BPM-BTM-1616	H/BTM-BTM-1616
1"	1.1/4"	H/BPM-BPM-1620	H/BPM-BTM-1620	H/BTM-BTM-1620
1"	1.1/2"	H/BPM-BPM-1624	H/BPM-BTM-1624	H/BTM-BTM-1624
1.1/4"	3/4"	-	H/BPM-BTM-2012	-
1.1/4"	1"	-	H/BPM-BTM-2016	-
1.1/4"	1.1/4"	H/BPM-BPM-2020	H/BPM-BTM-2020	H/BTM-BTM-2020
1.1/4"	1.1/2"	H/BPM-BPM-2024	H/BPM-BTM-2024	H/BTM-BTM-2024

ADAPTORS - NIPPLES

BSP NIPPLES CONT...

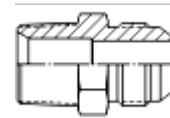
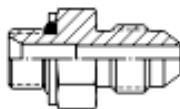
SIZE BSP	SIZE BSP	BSPP x BSPP	BSPP x BSPT	BSPT x BSPT
1.1/4"	2"	-	H/BPM-BTM-2032	H/BTM-BTM-2032
1.1/2"	1.1/4"	-	H/BPM-BTM-2420	-
1.1/2"	1.1/2"	H/BPM-BPM-2424	H/BPM-BTM-2424	H/BTM-BTM-2424
1.1/2"	2"	H/BPM-BPM-2432	H/BPM-BTM-2432	H/BTM-BTM-2432
2"	2"	H/BPM-BPM-3232	H/BPM-BTM-3232	H/BTM-BTM-3232
2"	2.1/2"	H/BPM-BPM-3240	-	-

BSP x NPT NIPPLES



SIZE BSP	SIZE NPT	BSPP x NPT	BSPT x NPT
1/8"	1/8"	H/BPM-NTM-0202	H/BTM-NTM-0202
1/4"	1/4"	H/BPM-NTM-0404	H/BTM-NTM-0404
3/8"	3/8"	H/BPM-NTM-0606	H/BTM-NTM-0606
1/2"	1/2"	H/BPM-NTM-0808	H/BTM-NTM-0808
3/4"	3/4"	H/BPM-NTM-1212	H/BTM-NTM-1212
1"	1"	H/BPM-NTM-1616	H/BTM-NTM-1616
1.1/4"	1.1/4"	H/BPM-NTM-2020	H/BTM-NTM-2020
1.1/2"	1.1/2"	H/BPM-NTM-2424	H/BTM-NTM-2424
2"	2"	-	H/BTM-NTM-3232

BSP x JIC NIPPLES



SIZE BSP	SIZE JIC	BSPP x JIC	BSPT x JIC
1/8"	7/16"	H/BPM-JIM-0207	H/BTM-JIM-0207
1/8"	1/2"	-	H/BTM-JIM-0208
1/8"	9/16"	H/BPM-JIM-0209	H/BTM-JIM-0209
1/4"	7/16"	H/BPM-JIM-0407	H/BTM-JIM-0407
1/4"	1/2"	H/BPM-JIM-0408	H/BTM-JIM-0408
1/4"	9/16"	H/BPM-JIM-0409	H/BTM-JIM-0409
1/4"	3/4"	H/BPM-JIM-0412	H/BTM-JIM-0412
1/4"	7/8"	-	H/BTM-JIM-0414
3/8"	7/16"	H/BPM-JIM-0607	H/BTM-JIM-0607

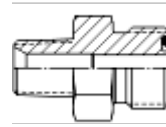
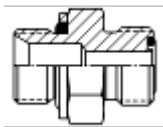
ADAPTORS - NIPPLES

BSP x JIC NIPPLES CONT...

SIZE BSP	SIZE JIC	BSP x JIC	BSPT x JIC
3/8"	1/2"	H/BPM-JIM-0608	H/BTM-JIM-0608
3/8"	9/16"	H/BPM-JIM-0609	H/BTM-JIM-0609
3/8"	3/4"	H/BPM-JIM-0612	H/BTM-JIM-0612
3/8"	7/8"	H/BPM-JIM-0614	H/BTM-JIM-0614
3/8"	1.1/16"	H/BPM-JIM-0617	H/BTM-JIM-0617
3/8"	7/16"	H/BPM-JIM-0807	H/BTM-JIM-0807
1/2"	9/16"	H/BPM-JIM-0809	H/BTM-JIM-0809
1/2"	3/4"	H/BPM-JIM-0812	H/BTM-JIM-0812
1/2"	7/8"	H/BPM-JIM-0814	H/BTM-JIM-0814
1/2"	1.1/16"	H/BPM-JIM-0817	H/BTM-JIM-0817
1/2"	1.5/16"	H/BPM-JIM-0821	H/BTM-JIM-0821
5/8"	7/8"	H/BPM-JIM-1014	-
5/8"	1.1/16"	H/BPM-JIM-1017	-
3/4"	7/16"	H/BPM-JIM-1207	-
3/4"	9/16"	H/BPM-JIM-1209	H/BTM-JIM-1209
3/4"	3/4"	H/BPM-JIM-1212	H/BTM-JIM-1212
3/4"	7/8"	H/BPM-JIM-1214	H/BTM-JIM-1214
3/4"	1.1/16"	H/BPM-JIM-1217	H/BTM-JIM-1217
3/4"	1.3/16"	H/BPM-JIM-1219	H/BTM-JIM-1219
3/4"	1.5/16"	H/BPM-JIM-1221	H/BTM-JIM-1221
1"	3/4"	H/BPM-JIM-1612	H/BTM-JIM-1612
1"	7/8"	H/BPM-JIM-1614	H/BTM-JIM-1614
1"	1.1/16"	H/BPM-JIM-1617	H/BTM-JIM-1617
1"	1.3/16"	H/BPM-JIM-1619	H/BTM-JIM-1619
1"	1.5/16"	H/BPM-JIM-1621	H/BTM-JIM-1621
1"	1.5/8"	H/BPM-JIM-1626	H/BTM-JIM-1626
1"	1.7/8"	H/BPM-JIM-1630	-
1.1/4"	1.1/16"	H/BPM-JIM-2017	H/BTM-JIM-2017
1.1/4"	1.5/16"	H/BPM-JIM-2021	H/BTM-JIM-2021
1.1/4"	1.5/8"	H/BPM-JIM-2026	H/BTM-JIM-2026
1.1/4"	1.7/8"	H/BPM-JIM-2030	H/BTM-JIM-2030
1.1/2"	1.5/16"	H/BPM-JIM-2421	H/BTM-JIM-2421
1.1/2"	1.5/8"	H/BPM-JIM-2426	H/BTM-JIM-2426
1.1/2"	1.7/8"	H/BPM-JIM-2430	H/BTM-JIM-2430
1.1/2"	2.1/2"	-	H/BTM-JIM-2440
2"	1.7/8"	H/BPM-JIM-3230	H/BTM-JIM-3230
2"	2.1/2"	H/BPM-JIM-3240	H/BTM-JIM-3240
2.1/2"	2.1/2"	-	H/BTM-JIM-4040

ADAPTORS - NIPPLES

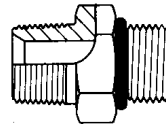
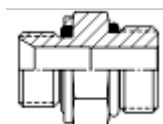
BSP x ORFS NIPPLES



SIZE BSP	SIZE ORFS	BSPP x ORFS	BSPT x ORFS
1/8"	9/16"	H/BPM-ORM-0209	H/BTM-ORM-0209
1/4"	9/16"	H/BPM-ORM-0409	H/BTM-ORM-0409
1/4"	11/16"	H/BPM-ORM-0411	H/BTM-ORM-0411
3/8"	9/16"	H/BPM-ORM-0609	-
3/8"	11/16"	H/BPM-ORM-0611	H/BTM-ORM-0611
3/8"	13/16"	H/BPM-ORM-0613	H/BTM-ORM-0613
1/2"	11/16"	H/BPM-ORM-0811	H/BTM-ORM-0811
1/2"	13/16"	H/BPM-ORM-0813	H/BTM-ORM-0813
1/2"	1"	H/BPM-ORM-0816	H/BTM-ORM-0816
1/2"	1.3/16"	H/BPM-ORM-0819	H/BTM-ORM-0819
3/4"	13/16"	H/BPM-ORM-1213	-
3/4"	1"	H/BPM-ORM-1216	-
3/4"	1.3/16"	H/BPM-ORM-1219	H/BTM-ORM-1219
3/4"	1.7/16"	H/BPM-ORM-1223	H/BTM-ORM-1223
1"	1.3/16"	H/BPM-ORM-1619	H/BTM-ORM-1619
1"	1.7/16"	H/BPM-ORM-1623	H/BTM-ORM-1623
1"	1.11/16"	H/BPM-ORM-1627	-
1.1/4"	1.7/16"	H/BPM-ORM-2023	-
1.1/4"	1.11/16"	H/BPM-ORM-2027	-
1.1/2"	1.11/16"	H/BPM-ORM-2427	-
1.1/2"	2"	H/BPM-ORM-2432	-

7

BSP x UNO NIPPLES



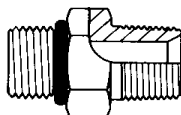
SIZE BSP	SIZE UNO	BSPP x UNO	BSPT x UNO
1/4"	7/16"	H/BPM-UNM-0407	H/BTM-UNM-0407
1/4"	1/2"	H/BPM-UNM-0408	H/BTM-UNM-0408
1/4"	9/16"	H/BPM-UNM-0409	H/BTM-UNM-0409
1/4"	3/4"	H/BPM-UNM-0412	H/BTM-UNM-0412
1/4"	7/8"	-	H/BTM-UNM-0414
3/8"	7/16"	H/BPM-UNM-0607	H/BTM-UNM-0607
3/8"	9/16"	H/BPM-UNM-0609	H/BTM-UNM-0609

ADAPTORS - NIPPLES

BSP x UNO NIPPLES CONT...

SIZE BSP	SIZE UNO	BSPP x UNO	BSPT x UNO
3/8"	3/4"	H/BPM-UNM-0612	H/BTM-UNM-0612
3/8"	7/8"	H/BPM-UNM-0614	H/BTM-UNM-0614
1/2"	9/16"	H/BPM-UNM-0809	H/BTM-UNM-0809
1/2"	3/4"	H/BPM-UNM-0812	H/BTM-UNM-0812
1/2"	7/8"	H/BPM-UNM-0814	H/BTM-UNM-0814
1/2"	1.1/16"	H/BPM-UNM-0817	H/BTM-UNM-0817
3/4"	3/4"	H/BPM-UNM-1212	H/BTM-UNM-1212
3/4"	7/8"	H/BPM-UNM-1214	H/BTM-UNM-1214
3/4"	1.1/16"	H/BPM-UNM-1217	H/BTM-UNM-1217
3/4"	1.5/16"	H/BPM-UNM-1221	H/BTM-UNM-1221
1"	1.1/16"	H/BPM-UNM-1617	H/BTM-UNM-1617
1"	1.5/16"	H/BPM-UNM-1621	H/BTM-UNM-1621
1.1/4"	1.5/16"	H/BPM-UNM-2021	H/BTM-UNM-2021
1.1/4"	1.5/8"	H/BPM-UNM-2026	H/BTM-UNM-2026
1.1/4"	1.7/8"	-	H/BTM-UNM-2030
1.1/2"	1.7/8"	-	H/BTM-UNM-2430

BSPT x BSP (JIS) INVERTED CONE



SIZE BSPT	SIZE BSP JIS	BSPT x BSP JIS
1/4"	1/4"	H/BTM-BJM-0404
3/8"	3/8"	H/BTM-BJM-0606
1/2"	1/2"	H/BTM-BJM-0808
3/4"	3/4"	H/BTM-BJM-1212
1"	1"	H/BTM-BJM-1616

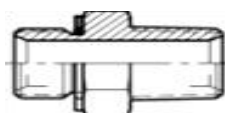
BSPT x METRIC KOMATSU NIPPLES



SIZE BSPT	SIZE METRIC	BSPT x METRIC KOMATSU
1/8"	14mm	H/BTM-MKM-0214
1/4"	12mm	H/BTM-MKM-0412
1/4"	14mm	H/BTM-MKM-0414
3/8"	16mm	H/BTM-MKM-0616
3/8"	18mm	H/BTM-MKM-0618
3/8"	22mm	H/BTM-MKM-0622
1/2"	18mm	H/BTM-MKM-0818
1/2"	20mm	H/BTM-MKM-0820
1/2"	22mm	H/BTM-MKM-0822
1/2"	24mm	H/BTM-MKM-0824
3/4"	24mm	H/BTM-MKM-1224
3/4"	30mm	H/BTM-MKM-1230
1"	33mm	H/BTM-MKM-1633

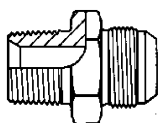
ADAPTORS - NIPPLES

BSPT x METRIC NIPPLES



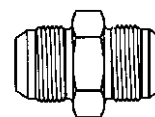
SIZE BSPT	SIZE METRIC	BSPT x METRIC
1/8"	10mm	H/BTM-MXM-0210
1/8"	12mm	H/BTM-MXM-0212
1/4"	12mm	H/BTM-MXM-0412
1/4"	14mm	H/BTM-MXM-0414
1/4"	16mm	H/BTM-MXM-0416
3/8"	16mm	H/BTM-MXM-0616
3/8"	18mm	H/BTM-MXM-0618
3/8"	20mm	H/BTM-MXM-0620
3/8"	22mm	H/BTM-MXM-0622
1/2"	18mm	H/BTM-MXM-0818
1/2"	22mm	H/BTM-MXM-0822
1/2"	24mm	H/BTM-MXM-0824
1/2"	26mm	H/BTM-MXM-0826
1/2"	27mm	H/BTM-MXM-0827
3/4"	24mm	H/BTM-MXM-1224
3/4"	26mm	H/BTM-MXM-1226
3/4"	27mm	H/BTM-MXM-1227

JIC x ORFS NIPPLES



SIZE JIC	SIZE ORFS	JIC x ORFS
7/16"	9/16"	H/JIM-ORM-0709
7/16"	11/16"	H/JIM-ORM-0711
9/16"	11/16"	H/JIM-ORM-0911
3/4"	13/16"	H/JIM-ORM-1213
7/8"	1"	H/JIM-ORM-1416
1.1/16"	1.3/16"	H/JIM-ORM-1719
1.5/16"	1.7/16"	H/JIM-ORM-2123
1.5/8"	1.11/16"	H/JIM-ORM-2627

JIC x JIC NIPPLES



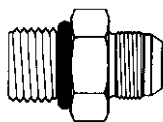
SIZE JIC	SIZE JIC	JIC x JIC
3/8"	3/8"	H/JIM-JIM-0606
7/16"	7/16"	H/JIM-JIM-0707
1/2"	7/16"	H/JIM-JIM-0807
1/2"	1/2"	H/JIM-JIM-0808
9/16"	7/16"	H/JIM-JIM-0907
9/16"	1/2"	H/JIM-JIM-0908
9/16"	9/16"	H/JIM-JIM-0909
3/4"	7/16"	H/JIM-JIM-1207
3/4"	9/16"	H/JIM-JIM-1209
3/4"	3/4"	H/JIM-JIM-1212
7/8"	9/16"	H/JIM-JIM-1409
7/8"	3/4"	H/JIM-JIM-1412
7/8"	7/8"	H/JIM-JIM-1414
1.1/16"	9/16"	H/JIM-JIM-1709
1.1/16"	3/4"	H/JIM-JIM-1712
1.1/16"	7/8"	H/JIM-JIM-1714
1.1/16"	1.1/16"	H/JIM-JIM-1717
1.3/16"	1.1/16"	H/JIM-JIM-1917
1.3/16"	1.3/16"	H/JIM-JIM-1919
1.5/16"	3/4"	H/JIM-JIM-2112
1.5/16"	7/8"	H/JIM-JIM-2114
1.5/16"	1.1/16"	H/JIM-JIM-2117
1.5/16"	1.5/16"	H/JIM-JIM-2121
1.5/8"	1.5/16"	H/JIM-JIM-2621
1.5/8"	1.5/8"	H/JIM-JIM-2626
1.7/8"	1.5/16"	H/JIM-JIM-3021
1.7/8"	1.5/8"	H/JIM-JIM-3026
1.7/8"	1.7/8"	H/JIM-JIM-3030
2.1/2"	1.7/8"	H/JIM-JIM-4030
2.1/2"	2.1/2"	H/JIM-JIM-4040

JIC x FORD POWER STEER

SIZE JIC	SIZE SAE	JIC x SAE
9/16"	5/8"	H/JIM-FPS-0910

ADAPTORS - NIPPLES

JIC x UNO NIPPLES



SIZE JIC	SIZE UNO	JIC x UNO
5/16"	5/16"	H/JIM-UNM-0505
7/16"	7/16"	H/JIM-UNM-0707
7/16"	1/2"	H/JIM-UNM-0708
7/16"	9/16"	H/JIM-UNM-0709
7/16"	3/4"	H/JIM-UNM-0712
1/2"	7/16"	H/JIM-UNM-0807
1/2"	1/2"	H/JIM-UNM-0808
1/2"	9/16"	H/JIM-UNM-0809
1/2"	3/4"	H/JIM-UNM-0812
9/16"	3/8"	H/JIM-UNM-0906
9/16"	7/16"	H/JIM-UNM-0907
9/16"	1/2"	H/JIM-UNM-0908
9/16"	9/16"	H/JIM-UNM-0909
9/16"	3/4"	H/JIM-UNM-0912
9/16"	7/8"	H/JIM-UNM-0914
9/16"	1.1/16"	H/JIM-UNM-0917
3/4"	7/16"	H/JIM-UNM-1207
3/4"	1/2"	H/JIM-UNM-1208
3/4"	9/16"	H/JIM-UNM-1209
3/4"	3/4"	H/JIM-UNM-1212
3/4"	7/8"	H/JIM-UNM-1214
3/4"	1.1/16"	H/JIM-UNM-1217
3/4"	1.3/16"	H/JIM-UNM-1219
3/4"	1.5/16"	H/JIM-UNM-1221
7/8"	9/16"	H/JIM-UNM-1409
7/8"	3/4"	H/JIM-UNM-1412
7/8"	7/8"	H/JIM-UNM-1414
7/8"	1.1/16"	H/JIM-UNM-1417
7/8"	1.3/16"	H/JIM-UNM-1419
7/8"	1.5/16"	H/JIM-UNM-1421
1.1/16"	3/4"	H/JIM-UNM-1712
1.1/16"	7/8"	H/JIM-UNM-1714
1.1/16"	1.1/16"	H/JIM-UNM-1717
1.1/16"	1.3/16"	H/JIM-UNM-1719
1.1/16"	1.5/16"	H/JIM-UNM-1721

JIC x UNO NIPPLES CONT...

SIZE JIC	SIZE UNO	JIC x UNO
1.1/16"	1.5/8"	H/JIM-UNM-1726
1.3/16"	1.3/16"	H/JIM-UNM-1919
1.3/16"	1.5/16"	H/JIM-UNM-1921
1.5/16"	7/8"	H/JIM-UNM-2114
1.5/16"	1.1/16"	H/JIM-UNM-2117
1.5/16"	1.3/16"	H/JIM-UNM-2119
1.5/16"	1.5/16"	H/JIM-UNM-2121
1.5/16"	1.5/8"	H/JIM-UNM-2126
1.5/16"	1.7/8"	H/JIM-UNM-2130
1.5/8"	1.1/16"	H/JIM-UNM-2617
1.5/8"	1.5/16"	H/JIM-UNM-2621
1.5/8"	1.5/8"	H/JIM-UNM-2626
1.5/8"	1.7/8"	H/JIM-UNM-2630
1.7/8"	1.5/8"	H/JIM-UNM-3026
1.7/8"	1.7/8"	H/JIM-UNM-3030
1.7/8"	2.1/2"	H/JIM-UNM-3040
2.1/2"	1.7/8"	H/JIM-UNM-4030
2.1/2"	2.1/2"	H/JIM-UNM-4040

JIC x METRIC NIPPLES



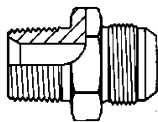
SIZE JIC	SIZE METRIC	JIC x METRIC
7/16"	10mm	H/JIM-MXM-0710
7/16"	12mm	H/JIM-MXM-0712
7/16"	14mm	H/JIM-MXM-0714
7/16"	16mm	H/JIM-MXM-0716
9/16"	10mm	H/JIM-MXM-0910
9/16"	12mm	H/JIM-MXM-0912
9/16"	14mm	H/JIM-MXM-0914
9/16"	16mm	H/JIM-MXM-0916
9/16"	18mm	H/JIM-MXM-0918
9/16"	20mm	H/JIM-MXM-0920
9/16"	22mm	H/JIM-MXM-0922
3/4"	12mm	H/JIM-MXM-1212
3/4"	14mm	H/JIM-MXM-1214

ADAPTORS - NIPPLES

JIC x METRIC NIPPLES CONT...

SIZE JIC	SIZE METRIC	JIC x METRIC
3/4"	16mm	H/JIM-MXM-1216
3/4"	18mm	H/JIM-MXM-1218
3/4"	20mm	H/JIM-MXM-1220
3/4"	22mm	H/JIM-MXM-1222
7/8"	14mm	H/JIM-MXM-1414
7/8"	16mm	H/JIM-MXM-1416
7/8"	18mm	H/JIM-MSM-1418
7/8"	20mm	H/JIM-MXM-1420
7/8"	22mm	H/JIM-MXM-1422
7/8"	30mm	H/JIM-MXM-1430
1.1/16"	18mm	H/JIM-MXM-1718
1.1/16"	22mm	H/JIM-MXM-1722
1.1/16"	24mm	H/JIM-MXM-1724
1.1/16"	26mm	H/JIM-MXM-1726
1.1/16"	27mm	H/JIM-MXM-1727
1.1/16"	28mm	H/JIM-MXM-1728
1.1/16"	30mm	H/JIM-MXM-1730
1.1/16"	33mm	H/JIM-MXM-1733
1.1/16"	36mm	H/JIM-MXM-1736
1.5/16"	27mm	H/JIM-MXM-2127
1.5/16"	30mm	H/JIM-MXM-2130
1.5/8"	33mm	H/JIM-MXM-2633
1.5/8"	36mm	H/JIM-MXM-2636

NPT x JIC NIPPLES



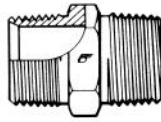
SIZE NPT	SIZE JIC	NPT x JIC
1/8"	3/8"	H/NTM-JIM-0206
1/8"	7/16"	H/NTM-JIM-0207
1/8"	1/2"	H/NTM-JIM-0208
1/8"	9/16"	H/NTM-JIM-0209
1/4"	3/8"	H/NTM-JIM-0406
1/4"	7/16"	H/NTM-JIM-0407
1/4"	1/2"	H/NTM-JIM-0408
1/4"	9/16"	H/NTM-JIM-0409

NPT x JIC NIPPLES CONT...

SIZE NPT	SIZE JIC	NPT x JIC
1/4"	3/4"	H/NTM-JIM-0412
1/4"	7/8"	H/NTM-JIM-0414
3/8"	7/16"	H/NTM-JIM-0607
3/8"	1/2"	H/NTM-JIM-0608
3/8"	9/16"	H/NTM-JIM-0609
3/8"	3/4"	H/NTM-JIM-0612
3/8"	7/8"	H/NTM-JIM-0614
3/8"	1.1/16"	H/NTM-JIM-0617
1/2"	7/16"	H/NTM-JIM-0807
1/2"	9/16"	H/NTM-JIM-0809
1/2"	3/4"	H/NTM-JIM-0812
1/2"	7/8"	H/NTM-JIM-0814
1/2"	1.1/16"	H/NTM-JIM-0817
1/2"	1.5/16"	H/NTM-JIM-0821
3/4"	7/16"	H/NTM-JIM-1207
3/4"	9/16"	H/NTM-JIM-1209
3/4"	3/4"	H/NTM-JIM-1212
3/4"	7/8"	H/NTM-JIM-1214
3/4"	1.1/16"	H/NTM-JIM-1217
3/4"	1.3/16"	H/NTM-JIM-1219
3/4"	1.5/16"	H/NTM-JIM-1221
1"	3/4"	H/NTM-JIM-1612
1"	7/8"	H/NTM-JIM-1614
1"	1.1/16"	H/NTM-JIM-1617
1"	1.5/16"	H/NTM-JIM-1621
1"	1.5/8"	H/NTM-JIM-1626
1.1/4"	1.1/16"	H/NTM-JIM-2017
1.1/4"	1.5/16"	H/NTM-JIM-2021
1.1/4"	1.5/8"	H/NTM-JIM-2026
1.1/4"	1.7/8"	H/NTM-JIM-2030
1.1/2"	1.5/16"	H/NTM-JIM-2421
1.1/2"	1.5/8"	H/NTM-JIM-2426
1.1/2"	1.7/8"	H/NTM-JIM-2430
1.1/2"	2.1/2"	H/NTM-JIM-2440
2"	1.5/8"	H/NTM-JIM-3226
2"	1.7/8"	H/NTM-JIM-3230
2"	2.1/2"	H/NTM-JIM-3240

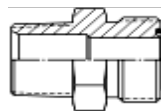
ADAPTORS - NIPPLES

NPT x NPT NIPPLES



SIZE NPT	SIZE NPT	NPT x NPT
1/8"	1/8"	H/NTM-NTM-0202
1/8"	1/4"	H/NTM-NTM-0204
1/8"	3/8"	H/NTM-NTM-0206
1/4"	1/4"	H/NTM-NTM-0404
1/4"	3/8"	H/NTM-NTM-0406
1/4"	1/2"	H/NTM-NTM-0408
1/4"	3/4"	H/NTM-NTM-0412
3/8"	3/8"	H/NTM-NTM-0606
3/8"	1/2"	H/NTM-NTM-0608
3/8"	3/4"	H/NTM-NTM-0612
1/2"	1/2"	H/NTM-NTM-0808
1/2"	3/4"	H/NTM-NTM-0812
1/2"	1"	H/NTM-NTM-0816
3/4"	3/4"	H/NTM-NTM-1212
3/4"	1"	H/NTM-NTM-1216
3/4"	1.1/4"	H/NTM-NTM-1220
1"	1"	H/NTM-NTM-1616
1"	1.1/4"	H/NTM-NTM-1620
1"	1.1/2"	H/NTM-NTM-1624
1.1/4"	1.1/4"	H/NTM-NTM-2020
1.1/4"	1.1/2"	H/NTM-NTM-2024
1.1/2"	1.1/2"	H/NTM-NTM-2424
1.1/2"	2"	H/NTM-NTM-2432
2"	2"	H/NTM-NTM-3232

NPT x ORFS NIPPLES

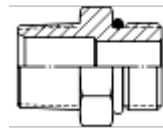


SIZE NPT	SIZE ORFS	NPT x ORFS
1/8"	9/16"	H/NTM-ORM-0209
1/4"	9/16"	H/NTM-ORM-0409
1/4"	11/16"	H/NTM-ORM-0411
3/8"	9/16"	H/NTM-ORM-0609
3/8"	11/16"	H/NTM-ORM-0611

NPT x ORFS NIPPLES CONT...

SIZE NPT	SIZE ORFS	NPT x ORFS
3/8"	13/16"	H/NTM-ORM-0613
1/2"	9/16"	H/NTM-ORM-0809
1/2"	11/16"	H/NTM-ORM-0811
1/2"	13/16"	H/NTM-ORM-0813
1/2"	1"	H/NTM-ORM-0816
1/2"	1.3/16"	H/NTM-ORM-0819
3/4"	13/16"	H/NTM-ORM-1213
3/4"	1"	H/NTM-ORM-1216
3/4"	1.3/16"	H/NTM-ORM-1219
3/4"	1.7/16"	H/NTM-ORM-1223
1"	1.3/16"	H/NTM-ORM-1619
1"	1.7/16"	H/NTM-ORM-1623
1.1/4"	1.11/16"	H/NTM-ORM-2027
1.1/2"	2"	H/NTM-ORM-2432

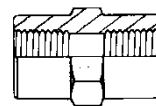
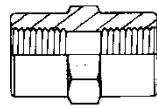
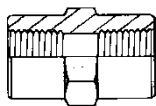
NPT x UNO NIPPLES



SIZE NPT	SIZE UNO	NPT x UNO
1/8"	7/16"	H/NTM-UNM-0207
1/4"	7/16"	H/NTM-UNM-0407
1/4"	9/16"	H/NTM-UNM-0409
1/4"	3/4"	H/NTM-UNM-0412
3/8"	9/16"	H/NTM-UNM-0609
3/8"	3/4"	H/NTM-UNM-0612
1/2"	3/4"	H/NTM-UNM-0812
1/2"	7/8"	H/NTM-UNM-0814
1/2"	1.1/16"	H/NTM-UNM-0817
3/4"	3/4"	H/NTM-UNM-1212
3/4"	7/8"	H/NTM-UNM-1214
3/4"	1.1/16"	H/NTM-UNM-1217
3/4"	1.5/16"	H/NTM-UNM-1221
1"	1.1/16"	H/NTM-UNM-1617
1"	1.5/16"	H/NTM-UNM-1621
1.1/4"	1.5/8"	H/NTM-UNM-2026
1.1/2"	1.7/8"	H/NTM-UNM-2430

ADAPTORS - SOCKETS & F/F ADAPTORS

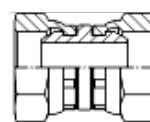
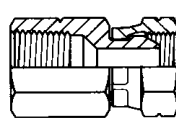
BSP & NPT SOCKETS (FIXED)



SIZE THREAD	SIZE THREAD	BSPP x BSPP	BSPT x BSPT	NPT x NPT
1/8"	1/8"	H/BPF-BPF-0202	H/BTF-BTF-0202	H/NTF-NTF-0202
1/8"	1/4"	-	H/BTF-BTF-0204	H/NTF-NTF-0204
1/8"	3/8"	-	H/BTF-BTF-0206	H/NTF-NTF-0206
1/4"	1/4"	H/BPF-BPF-0404	H/BTF-BTF-0404	H/NTF-NTF-0404
1/4"	3/8"	-	H/BTF-BTF-0406	H/NTF-NTF-0406
1/4"	1/2"	-	H/BTF-BTF-0408	H/NTF-NTF-0408
3/8"	3/8"	H/BPF-BPF-0606	H/BTF-BTF-0606	H/NTF-NTF-0606
3/8"	1/2"	-	H/BTF-BTF-0608	H/NTF-NTF-0608
1/2"	1/2"	H/BPF-BPF-0808	H/BTF-BTF-0808	H/NTF-NTF-0808
1/2"	3/4"	-	H/BTF-BTF-0812	H/NTF-NTF-0812
3/4"	3/4"	H/BPF-BPF-1212	H/BTF-BTF-1212	H/NTF-NTF-1212
3/4"	1"	-	H/BTF-BTF-1216	H/NTF-NTF-1216
1"	1"	H/BPF-BPF-1616	H/BTF-BTF-1616	H/NTF-NTF-1616
1"	1.1/4"	-	H/BTF-BTF-1620	H/NTF-NTF-1620
1.1/4"	1.1/4"	H/BPF-BPF-2020	H/BTF-BTF-2020	H/NTF-NTF-2020
1.1/2"	1.1/2"	H/BPF-BPF-2424	H/BTF-BTF-2424	H/NTF-NTF-2424
2"	2"	H/BPF-BPF-3232	H/BTF-BTF-3232	H/NTF-NTF-3232

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BSP & NPT SOCKETS (SWIVEL)



SIZE THREAD	SIZE THREAD	BSPP x BSPP	BSPT x BSPP	NPT x NPT
1/4"	1/4"	H/BSF-BSF-0404	H/BTF-BSF-0404	H/NSF-NSF-0404
3/8"	3/8"	H/BSF-BSF-0606	H/BTF-BSF-0606	H/NSF-NSF-0606
1/2"	1/2"	H/BSF-BSF-0808	H/BTF-BSF-0808	H/NSF-NSF-0808
3/4"	3/4"	H/BSF-BSF-1212	H/BTF-BSF-1212	H/NSF-NSF-1212
1"	1"	H/BSF-BSF-1616	H/BTF-BSF-1616	H/NSF-NSF-1616

ADAPTORS - SOCKETS & F/F ADAPTORS

JIC SOCKETS (SWIVEL)



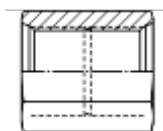
SIZE JIC	SIZE JIC	JIC x JIC
7/16"	7/16"	H/JSF-JSF-0707
9/16"	9/16"	H/JSF-JSF-0909
3/4"	3/4"	H/JSF-JSF-1212
7/8"	7/8"	H/JSF-JSF-1414
1.1/16"	1.1/16"	H/JSF-JSF-1717
1.5/16"	1.5/16"	H/JSF-JSF-2121
1.5/8"	1.5/8"	H/JSF-JSF-2626
1.7/8"	1.7/8"	H/JSF-JSF-3030

ORFS SOCKETS (SWIVEL)



SIZE ORFS	SIZE ORFS	ORFS x ORFS
9/16"	9/16"	H/OSF-OSF-0909
11/16"	11/16"	H/OSF-OSF-1111
13/16"	13/16"	H/OSF-OSF-1313
1"	1"	H/OSF-OSF-1616
1.3/16"	1.3/16"	H/OSF-OSF-1919
1.7/16"	1.7/16"	H/OSF-OSF-2323
1.11/16"	1.11/16"	H/OSF-OSF-2727

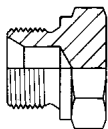
UNO SOCKETS



SIZE UNO	SIZE UNO	UNO x UNO
7/16"	7/16"	H/UNF-UNF-0707
9/16"	9/16"	H/UNF-UNF-0909
3/4"	3/4"	H/UNF-UNF-1212
7/8"	7/8"	H/UNF-UNF-1414
1.1/16"	1.1/16"	H/UNF-UNF-1717
1.5/16"	1.5/16"	H/UNF-UNF-2121
1.5/8"	1.5/8"	H/UNF-UNF-2626

ADAPTORS - M/F ADAPTOR

BSPP x BSPP FIXED ADAPTORS

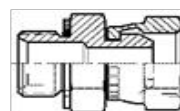


SIZE BSPP MALE	SIZE BSPP FEMALE	BSPP x BSPP
1/8"	1/4"	H/BPM-BPF-0204
1/4"	1/8"	H/BPM-BPF-0402
1/4"	1/4"	H/BPM-BPF-0404
1/4"	3/8"	H/BPM-BPF-0406
1/4"	1/2"	H/BPM-BPF-0408
3/8"	1/8"	H/BPM-BPF-0602
3/8"	1/4"	H/BPM-BPF-0604
3/8"	3/8"	H/BPM-BPF-0606
3/8"	1/2"	H/BPM-BPF-0608
3/8"	3/4"	H/BPM-BPF-0612
1/2"	1/8"	H/BPM-BPF-0802
1/2"	1/4"	H/BPM-BPF-0804
1/2"	3/8"	H/BPM-BPF-0806
1/2"	1/2"	H/BPM-BPF-0808
1/2"	3/4"	H/BPM-BPF-0812
1/2"	1"	H/BPM-BPF-0816
3/4"	1/4"	H/BPM-BPF-1204
3/4"	3/8"	H/BPM-BPF-1206
3/4"	1/2"	H/BPM-BPF-1208
3/4"	3/4"	H/BPM-BPF-1212
3/4"	1"	H/BPM-BPF-1216
1"	1/4"	H/BPM-BPF-1604
1"	3/8"	H/BPM-BPF-1606
1"	1/2"	H/BPM-BPF-1608
1"	3/4"	H/BPM-BPF-1612
1"	1"	H/BPM-BPF-1616
1"	1.1/4"	H/BPM-BPF-1620
1.1/4"	1/2"	H/BPM-BPF-2008
1.1/4"	3/4"	H/BPM-BPF-2012
1.1/4"	1"	H/BPM-BPF-2016
1.1/4"	1.1/4"	H/BPM-BPF-2020

BSPP x BSPP FIXED ADAPTORS CONT...

SIZE BSPP MALE	SIZE BSPP FEMALE	BSPP x BSPP
1.1/2"	3/4"	H/BPM-BPF-2412
1.1/2"	1"	H/BPM-BPF-2416
1.1/2"	1.1/4"	H/BPM-BPF-2420
2"	3/4"	H/BPM-BPF-3212
2"	1"	H/BPM-BPF-3216
2"	1.1/4"	H/BPM-BPF-3220
2"	1.1/2"	H/BPM-BPF-3224

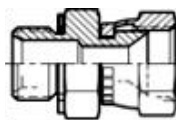
BSPP x BSPP SWIVEL ADAPTORS



SIZE BSPP MALE	SIZE BSPP FEMALE	BSPP x BSPP
1/4"	1/4"	H/BPM-BSF-0404
1/4"	3/8"	H/BPM-BSF-0406
3/8"	1/4"	H/BPM-BSF-0604
3/8"	3/8"	H/BPM-BSF-0606
3/8"	1/2"	H/BPM-BSF-0608
1/2"	1/2"	H/BPM-BSF-0808
1/2"	3/4"	H/BPM-BSF-0812
1/2"	1"	H/BPM-BSF-0816
1/2"	1.1/4"	H/BPM-BSF-0820
3/4"	3/4"	H/BPM-BSF-1212
3/4"	1"	H/BPM-BSF-1216
1"	1"	H/BPM-BSF-1616
1"	1.1/4"	H/BPM-BSF-1620
1.1/4"	1.1/4"	H/BPM-BSF-2020
1.1/2"	1.1/2"	H/BPM-BSF-2424
2"	2"	H/BPM-BSF-3232

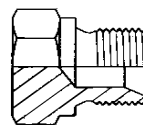
ADAPTORS - M/F ADAPTOR

BSPP x JIC SWIVEL ADAPTORS



SIZE BSPP MALE	SIZE JIC FEMALE	BSPP x JIC
1/8"	7/16"	H/BPM-JSF-0207
1/4"	7/16"	H/BPM-JSF-0407
1/4"	1/2"	H/BPM-JSF-0408
1/4"	9/16"	H/BPM-JSF-0409
1/4"	3/4"	H/BPM-JSF-0412
3/8"	7/16"	H/BPM-JSF-0607
3/8"	9/16"	H/BPM-JSF-0609
3/8"	3/4"	H/BPM-JSF-0612
3/8"	7/8"	H/BPM-JSF-0614
1/2"	9/16"	H/BPM-JSF-0809
1/2"	3/4"	H/BPM-JSF-0812
1/2"	7/8"	H/BPM-JSF-0814
1/2"	1.1/16"	H/BPM-JSF-0817
3/4"	3/4"	H/BPM-JSF-1212
3/4"	7/8"	H/BPM-JSF-1214
3/4"	1.1/16"	H/BPM-JSF-1217
3/4"	1.5/16"	H/BPM-JSF-1221
1"	7/8"	H/BPM-JSF-1614
1"	1.1/16"	H/BPM-JSF-1617
1"	1.5/16"	H/BPM-JSF-1621
1"	1.7/8"	H/BPM-JSF-1626
1.1/4"	1.5/16"	H/BPM-JSF-2021
1.1/4"	1.5/8"	H/BPM-JSF-2026
1.1/4"	1.7/8"	H/BPM-JSF-2030
1.1/2"	1.5/8"	H/BPM-JSF-2426
1.1/2"	1.7/8"	H/BPM-JSF-2430
2"	1.7/8"	H/BPM-JSF-3230
2"	2.1/2"	H/BPM-JSF-3240

BSPP x METRIC FIXED ADAPTORS



SIZE BSPP FEMALE	SIZE METRIC MALE	BSPP x METRIC
1/4"	12mm	H/BPF-MXM-0412
1/4"	14mm	H/BPF-MXM-0414
1/4"	16mm	H/BPF-MXM-0416
3/8"	18mm	H/BPF-MXM-0618
3/8"	20mm	H/BPF-MXM-0620
1/2"	20mm	H/BPF-MXM-0820
1/2"	22mm	H/BPF-MXM-0822
1/2"	24mm	H/BPF-MXM-0824
3/4"	30mm	H/BPF-MXM-1230
1"	36mm	H/BPF-MXM-1636
1.1/4"	42mm	H/BPF-MXM-2042
1.1/2"	52mm	H/BPF-MXM-2452

BSPP x ORFS SWIVEL ADAPTORS



SIZE BSPP MALE	SIZE ORFS FEMALE	BSPP x ORFS
1/4"	9/16"	H/BPM-OSF-0409
1/4"	11/16"	H/BPM-OSF-0411
3/8"	9/16"	H/BPM-OSF-0609
3/8"	11/16"	H/BPM-OSF-0611
3/8"	13/16"	H/BPM-OSF-0613
1/2"	11/16"	H/BPM-OSF-0811
1/2"	13/16"	H/BPM-OSF-0813
1/2"	1"	H/BPM-OSF-0816
1/2"	1.3/16"	H/BPM-OSF-0819
3/4"	13/16"	H/BPM-OSF-1213
3/4"	1"	H/BPM-OSF-1216
3/4"	1.3/16"	H/BPM-OSF-1219
3/4"	1.7/16"	H/BPM-OSF-1223
1"	1.7/16"	H/BPM-OSF-1623

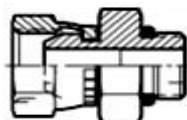
ADAPTORS - M/F ADAPTOR

BSPP SWIVEL x JIC ADAPTORS



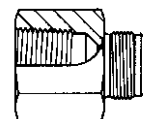
SIZE BSPP FEMALE	SIZE JIC MALE	BSPP x JIC
1/4"	7/16"	H/BSF-JIM-0407
1/4"	9/16"	H/BSF-JIM-0409
3/8"	7/16"	H/BSF-JIM-0607
3/8"	9/16"	H/BSF-JIM-0609
3/8"	3/4"	H/BSF-JIM-0612
1/2"	3/4"	H/BSF-JIM-0812
1/2"	7/8"	H/BSF-JIM-0814
3/4"	1.1/16"	H/BSF-JIM-1217
1"	1.1/16"	H/BSF-JIM-1617
1"	1.5/16"	H/BSF-JIM-1621

BSPP SWIVEL x UNO ADAPTORS



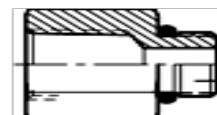
SIZE BSPP FEMALE	SIZE UNO MALE	BSPP x UNO
3/8"	9/16"	H/BSF-UNM-0609
3/8"	3/4"	H/BSF-UNM-0612
1/2"	3/4"	H/BSF-UNM-0812
1/2"	7/8"	H/BSF-UNM-0814
3/4"	1.1/16"	H/BSF-UNM-1217
1"	1.1/16"	H/BSF-UNM-1617
1"	1.5/16"	H/BSF-UNM-1621

BSPT x JIC FIXED ADAPTORS



SIZE BSPT FEMALE	SIZE JIC MALE	BSPT x JIC
1/8"	7/16"	H/BTF-JIM-0207
1/4"	7/16"	H/BTF-JIM-0407
1/4"	9/16"	H/BTF-JIM-0409
3/8"	9/16"	H/BTF-JIM-0609
3/8"	3/4"	H/BTF-JIM-0612
1/2"	9/16"	H/BTF-JIM-0809
1/2"	3/4"	H/BTF-JIM-0812
1/2"	7/8"	H/BTF-JIM-0814
1/2"	1.1/16"	H/BTF-JIM-0817
3/4"	3/4"	H/BTF-JIM-1212
3/4"	1.1/16"	H/BTF-JIM-1217
1"	1.5/16"	H/BTF-JIM-1621
2"	2.1/2"	H/BTF-JIM-3240

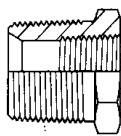
BSPT x UNO FIXED ADAPTORS



SIZE BSPT FEMALE	SIZE UNO MALE	BSPT x UNO
1/4"	9/16"	H/BTF-UNM-0409
1/4"	3/4"	H/BTF-UNM-0412
1/4"	7/8"	H/BTF-UNM-0414
3/8"	9/16"	H/BTF-UNM-0609
3/8"	3/4"	H/BTF-UNM-0612
3/8"	7/8"	H/BTF-UNM-0614
3/8"	1.1/16"	H/BTF-UNM-0617
1/2"	1.1/16"	H/BTF-UNM-0817
1/2"	1.5/16"	H/BTF-UNM-0821
1/2"	1.5/8"	H/BTF-UNM-0826
3/4"	1.5/16"	H/BTF-UNM-1221
3/4"	1.5/8"	H/BTF-UNM-1226
1"	1.5/8"	H/BTF-UNM-1626

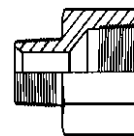
ADAPTORS - M/F ADAPTOR

BSPT x BSPT FIXED ADAPTORS (BUSH)



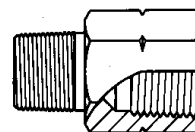
SIZE BSPT MALE	SIZE BSPT FEMALE	BSPT x BSPT
1/4"	1/8"	H/BTM-BTF-0402
3/8"	1/8"	H/BTM-BTF-0602
3/8"	1/4"	H/BTM-BTF-0604
1/2"	1/8"	H/BTM-BTF-0802
1/2"	1/4"	H/BTM-BTF-0804
1/2"	3/8"	H/BTM-BTF-0806
3/4"	1/4"	H/BTM-BTF-1204
3/4"	3/8"	H/BTM-BTF-1206
3/4"	1/2"	H/BTM-BTF-1208
1"	1/4"	H/BTM-BTF-1604
1"	3/8"	H/BTM-BTF-1606
1"	1/2"	H/BTM-BTF-1608
1"	3/4"	H/BTM-BTF-1612
1.1/4"	1/2"	H/BTM-BTF-2008
1.1/4"	3/4"	H/BTM-BTF-2012
1.1/4"	1"	H/BTM-BTF-2016
1.1/2"	3/4"	H/BTM-BTF-2412
1.1/2"	1"	H/BTM-BTF-2416
1.1/2"	1.1/4"	H/BTM-BTF-2420
2"	1"	H/BTM-BTF-3216
2"	1.1/4"	H/BTM-BTF-3220
2"	1.1/2"	H/BTM-BTF-3224

BSPT x BSPT FIXED ADAPTORS



SIZE BSPT MALE	SIZE BSPT FEMALE	BSPT x BSPT
1/8"	1/8"	H/BTM-BTF-0202
1/8"	1/4"	H/BTM-BTF-0204
1/4"	1/4"	H/BTM-BTF-0404
1/4"	3/8"	H/BTM-BTF-0406
1/4"	1/2"	H/BTM-BTF-0408
3/8"	3/8"	H/BTM-BTF-0606
3/8"	1/2"	H/BTM-BTF-0608
1/2"	1/2"	H/BTM-BTF-0808
1/2"	3/4"	H/BTM-BTF-0812
1/2"	1"	H/BTM-BTF-0816
3/4"	3/4"	H/BTM-BTF-1212
3/4"	1"	H/BTM-BTF-1216
1"	1"	H/BTM-BTF-1616
1"	1.1/4"	H/BTM-BTF-1620
1.1/4"	1.1/4"	H/BTM-BTF-2020
1.1/4"	1.1/2"	H/BTM-BTF-2024

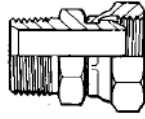
BSPT x NPT FIXED ADAPTORS



SIZE BSPT MALE	SIZE NPT FEMALE	BSPT x NPT
1/8"	1/8"	H/BTM-NTF-0202
1/4"	1/4"	H/BTM-NTF-0404
3/8"	3/8"	H/BTM-NTF-0606
1/2"	1/2"	H/BTM-NTF-0808
3/4"	3/4"	H/BTM-NTF-1212
1"	1"	H/BTM-NTF-1616
1.1/4"	1.1/4"	H/BTM-NTF-2020

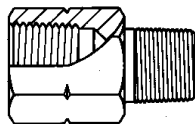
ADAPTORS - M/F ADAPTOR

BSPT x BSPP SWIVEL ADAPTORS



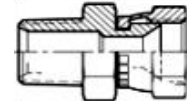
SIZE BSPT MALE	SIZE BSPP FEMALE	BSPT x BSPP
1/8"	1/8"	H/BTM-BSF-0202
1/8"	1/4"	H/BTM-BSF-0204
1/4"	1/4"	H/BTM-BSF-0404
1/4"	3/8"	H/BTM-BSF-0406
1/4"	1/2"	H/BTM-BSF-0408
3/8"	1/4"	H/BTM-BSF-0604
3/8"	3/8"	H/BTM-BSF-0606
3/8"	1/2"	H/BTM-BSF-0608
3/8"	3/4"	H/BTM-BSF-0612
1/2"	1/4"	H/BTM-BSF-0804
1/2"	3/8"	H/BTM-BSF-0806
1/2"	1/2"	H/BTM-BSF-0808
1/2"	3/4"	H/BTM-BSF-0812
3/4"	1/2"	H/BTM-BSF-1208
3/4"	3/4"	H/BTM-BSF-1212
3/4"	1"	H/BTM-BSF-1216
1"	3/4"	H/BTM-BSF-1612
1"	1"	H/BTM-BSF-1616
1.1/4"	1.1/4"	H/BTM-BSF-2020
1.1/2"	1.1/2"	H/BTM-BSF-2424
2"	2"	H/BTM-BSF-3232

BSPT x UNO FIXED ADAPTORS



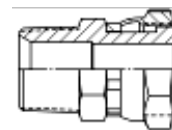
SIZE BSPT MALE	SIZE UNO FEMALE	BSPT x UNO
3/8"	9/16"	H/BTM-UNF-0609
1/2"	3/4"	H/BTM-UNF-0812
1/2"	7/8"	H/BTM-UNF-0814

BSPT x JIC SWIVEL ADAPTORS



SIZE BSPT MALE	SIZE JIC FEMALE	BSPT x JIC
1/8"	7/16"	H/BTM-JSF-0207
1/4"	7/16"	H/BTM-JSF-0407
1/4"	1/2"	H/BTM-JSF-0408
1/4"	9/16"	H/BTM-JSF-0409
1/4"	3/4"	H/BTM-JSF-0412
3/8"	9/16"	H/BTM-JSF-0609
3/8"	3/4"	H/BTM-JSF-0612
3/8"	7/8"	H/BTM-JSF-0614
1/2"	9/16"	H/BTM-JSF-0809
1/2"	3/4"	H/BTM-JSF-0812
1/2"	7/8"	H/BTM-JSF-0814
1/2"	1.1/16"	H/BTM-JSF-0817
3/4"	7/8"	H/BTM-JSF-1214
3/4"	1.1/16"	H/BTM-JSF-1217
1"	1.1/16"	H/BTM-JSF-1617
1"	1.5/16"	H/BTM-JSF-1621
1.1/4"	1.5/8"	H/BTM-JSF-2026

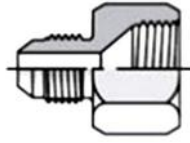
BSPT x ORFS SWIVEL ADAPTORS



SIZE BSPT MALE	SIZE ORFS FEMALE	BSPT x ORFS
1/4"	9/16"	H/BTM-OSF-0409
3/8"	11/16"	H/BTM-OSF-0611
1/2"	13/16"	H/BTM-OSF-0813
3/4"	1.3/16"	H/BTM-OSF-1219
1"	1.7/16"	H/BTM-OSF-1623

ADAPTORS - M/F ADAPTOR

JIC x JIC FIXED ADAPTORS



SIZE JIC MALE	SIZE JIC FEMALE	JIC x JIC
7/16"	3/8"	H/JIM-JIF-0706
7/16"	7/16"	H/JIM-JIF-0707
7/16"	9/16"	H/JIM-JIF-0709
7/16"	3/4"	H/JIM-JIF-0712
7/16"	7/8"	H/JIM-JIF-0714
7/16"	1.1/16"	H/JIM-JIF-0717
7/16"	1.5/16"	H/JIM-JIF-0721
9/16"	7/16"	H/JIM-JIF-0907
9/16"	9/16"	H/JIM-JIF-0909
9/16"	3/4"	H/JIM-JIF-0912
9/16"	7/8"	H/JIM-JIF-0914
9/16"	1.1/16"	H/JIM-JIF-0917
9/16"	1.5/16"	H/JIM-JIF-0921
3/4"	7/16"	H/JIM-JIF-1207
3/4"	9/16"	H/JIM-JIF-1209
3/4"	3/4"	H/JIM-JIF-1212
3/4"	7/8"	H/JIM-JIF-1214
3/4"	1.1/16"	H/JIM-JIF-1217
3/4"	1.5/16"	H/JIM-JIF-1221
3/4"	1.5/8"	H/JIM-JIF-1226
7/8"	7/16"	H/JIM-JIF-1407
7/8"	9/16"	H/JIM-JIF-1409
7/8"	3/4"	H/JIM-JIF-1412
7/8"	7/8"	H/JIM-JIF-1414
7/8"	1.1/16"	H/JIM-JIF-1417
7/8"	1.5/16"	H/JIM-JIF-1421
1.1/16"	9/16"	H/JIM-JIF-1709
1.1/16"	3/4"	H/JIM-JIF-1712
1.1/16"	7/8"	H/JIM-JIF-1714
1.1/16"	1.5/16"	H/JIM-JIF-1721
1.1/16"	1.5/8"	H/JIM-JIF-1726
1.1/16"	1.7/8"	H/JIM-JIF-1730

JIC x JIC FIXED ADAPTORS CONT...

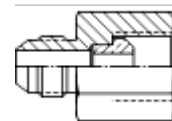
SIZE JIC MALE	SIZE JIC FEMALE	JIC x JIC
1.5/16"	3/4"	H/JIM-JIF-2112
1.5/16"	7/8"	H/JIM-JIF-2114
1.5/16"	1.1/16"	H/JIM-JIF-2117
1.5/16"	1.5/8"	H/JIM-JIF-2126
1.5/16"	1.7/8"	H/JIM-JIF-2130
1.5/8"	1.5/16"	H/JIM-JIF-2621
1.5/8"	1.7/8"	H/JIM-JIF-2630
1.7/8"	1.5/8"	H/JIM-JIF-3026
1.7/8"	2.1/2"	H/JIM-JIF-3040
2.1/2"	1.7/8"	H/JIM-JIF-4030

JIC x JIC SWIVEL ADAPTORS



SIZE JIC MALE	SIZE JIC FEMALE	JIC x JIC
7/16"	7/16"	H/JIM-JSF-0707
9/16"	9/16"	H/JIM-JSF-0909
3/4"	3/4"	H/JIM-JSF-1212
7/8"	7/8"	H/JIM-JSF-1414
1.1/16"	1.1/16"	H/JIM-JSF-1717
1.5/16"	1.5/16"	H/JIM-JSF-2121
1.5/8"	1.5/8"	H/JIM-JSF-2626
1.7/8"	1.7/8"	H/JIM-JSF-3030

JIC x METRIC POWER STEERING ADAPTOR



SIZE JIC MALE	SIZE METRIC FEMALE	JIC x METRIC POWER STEERING
9/16"	16mm	H/JIM-MPS-0916

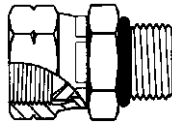
ADAPTORS - M/F ADAPTOR

JIC x ORFS SWIVEL ADAPTORS



SIZE JIC MALE	SIZE ORFS FEMALE	JIC x ORFS
7/16"	9/16"	H/JIM-OSF-0709
7/16"	11/16"	H/JIM-OSF-0711
9/16"	11/16"	H/JIM-OSF-0911
9/16"	13/16"	H/JIM-OSF-0913
3/4"	13/16"	H/JIM-OSF-1213
7/8"	1"	H/JIM-OSF-1416
7/8"	1.3/16"	H/JIM-OSF-1419
1.1/16"	1.3/16"	H/JIM-OSF-1719
1.5/16"	1.7/16"	H/JIM-OSF-2123
1.5/8"	1.7/16"	H/JIM-OSF-2623
1.5/8"	1.11/16"	H/JIM-OSF-2627

JIC SWIVEL x UNO ADAPTORS



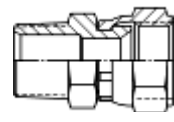
SIZE JIC FEMALE	SIZE UNO MALE	JIC x UNO
7/16"	7/16"	H/JSF-UNM-0707
1/2"	1/2"	H/JSF-UNM-0808
9/16"	9/16"	H/JSF-UNM-0909
9/16"	3/4"	H/JSF-UNM-0912
3/4"	9/16"	H/JSF-UNM-1209
3/4"	3/4"	H/JSF-UNM-1212
3/4"	7/8"	H/JSF-UNM-1214
7/8"	7/8"	H/JSF-UNM-1414
1.1/16"	1.1/16"	H/JSF-UNM-1717
1.5/16"	1.5/16"	H/JSF-UNM-2121
1.5/8"	1.5/8"	H/JSF-UNM-2626
1.7/8"	1.7/8"	H/JSF-UNM-3030
2.1/2"	2.1/2"	H/JSF-UNM-4040

JIC SWIVEL x ORFS ADAPTORS



SIZE JIC FEMALE	SIZE ORFS MALE	JIC x ORFS
7/16"	9/16"	H/JSF-ORM-0709
9/16"	11/16"	H/JSF-ORM-0911
3/4"	13/16"	H/JSF-ORM-1213
7/8"	1"	H/JSF-ORM-1416
1.1/16"	1.3/16"	H/JSF-ORM-1719
1.5/16"	1.7/16"	H/JSF-ORM-2123
1.5/8"	1.11/16"	H/JSF-ORM-2627

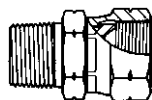
NPT x JIC SWIVEL ADAPTORS



SIZE NPT MALE	SIZE JIC FEMALE	NPT x JIC
1/8"	7/16"	H/NTM-JSF-0207
1/8"	9/16"	H/NTM-JSF-0209
1/4"	7/16"	H/NTM-JSF-0407
1/4"	1/2"	H/NTM-JSF-0408
1/4"	9/16"	H/NTM-JSF-0409
3/8"	7/16"	H/NTM-JSF-0607
3/8"	9/16"	H/NTM-JSF-0609
3/8"	3/4"	H/NTM-JSF-0612
3/8"	7/8"	H/NTM-JSF-0614
1/2"	9/16"	H/NTM-JSF-0809
1/2"	3/4"	H/NTM-JSF-0812
1/2"	7/8"	H/NTM-JSF-0814
1/2"	1.1/16"	H/NTM-JSF-0817
3/4"	7/8"	H/NTM-JSF-1214
3/4"	1.1/16"	H/NTM-JSF-1217
3/4"	1.5/16"	H/NTM-JSF-1221
1"	1.5/16"	H/NTM-JSF-1621
1.1/4"	1.5/8"	H/NTM-JSF-2026
1.1/2"	1.7/8"	H/NTM-JSF-2430

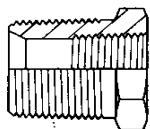
ADAPTORS - M/F ADAPTOR

NPT x NPT SWIVEL ADAPTORS



SIZE NPT MALE	SIZE NPT FEMALE	NPT x NPT
1/8"	1/8"	H/NTM-NSF-0202
1/8"	1/4"	H/NTM-NSF-0204
1/4"	1/4"	H/NTM-NSF-0404
1/4"	3/8"	H/NTM-NSF-0406
3/8"	1/4"	H/NTM-NSF-0604
3/8"	3/8"	H/NTM-NSF-0606
3/8"	1/2"	H/NTM-NSF-0608
1/2"	3/8"	H/NTM-NSF-0806
1/2"	1/2"	H/NTM-NSF-0808
1/2"	3/4"	H/NTM-NSF-0812
3/4"	1/2"	H/NTM-NSF-1208
3/4"	3/4"	H/NTM-NSF-1212
3/4"	1"	H/NTM-NSF-1216
1"	3/4"	H/NTM-NSF-1612
1"	1"	H/NTM-NSF-1616
1.1/4"	1"	H/NTM-NSF-2016
1.1/4"	1.1/4"	H/NTM-NSF-2020
1.1/2"	1.1/2"	H/NTM-NSF-2424
2"	2"	H/NTM-NSF-3232

NPT x NPT BUSHES

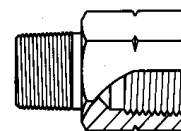


SIZE NPT MALE	SIZE NPT FEMALE	NPT x NPT
1/4"	1/8"	H/NTM-NTF-0402
3/8"	1/8"	H/NTM-NTF-0602
3/8"	1/4"	H/NTM-NTF-0604
1/2"	1/8"	H/NTM-NTF-0802
1/2"	1/4"	H/NTM-NTF-0804
1/2"	3/8"	H/NTM-NTF-0806
3/4"	1/4"	H/NTM-NTF-1204

NPT x NPT BUSHES CONT...

SIZE NPT MALE	SIZE NPT FEMALE	NPT x NPT
3/4"	3/8"	H/NTM-NTF-1206
3/4"	1/2"	H/NTM-NTF-1208
1"	1/4"	H/NTM-NTF-1604
1"	3/8"	H/NTM-NTF-1606
1"	1/2"	H/NTM-NTF-1608
1"	3/4"	H/NTM-NTF-1612
1.1/4"	1/2"	H/NTM-NTF-2008
1.1/4"	3/4"	H/NTM-NTF-2012
1.1/4"	1"	H/NTM-NTF-2016
1.1/2"	3/4"	H/NTM-NTF-2412
1.1/2"	1"	H/NTM-NTF-2416
1.1/2"	1.1/4"	H/NTM-NTF-2420
2"	1"	H/NTM-NTF-3216
2"	1.1/4"	H/NTM-NTF-3220
2"	1.1/2"	H/NTM-NTF-3224

NPT x NPT FIXED ADAPTORS



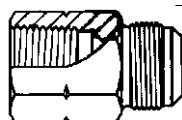
SIZE NPT MALE	SIZE NPT FEMALE	NPT x NPT
1/8"	1/8"	H/NTM-NTF-0202
1/8"	1/4"	H/NTM-NTF-0204
1/8"	3/8"	H/NTM-NTF-0206
1/8"	1/2"	H/NTM-NTF-0208
1/4"	1/4"	H/NTM-NTF-0404
1/4"	3/8"	H/NTM-NTF-0406
1/4"	1/2"	H/NTM-NTF-0408
1/4"	3/4"	H/NTM-NTF-0412
3/8"	3/8"	H/NTM-NTF-0606
3/8"	1/2"	H/NTM-NTF-0608
3/8"	3/4"	H/NTM-NTF-0612
1/2"	1/2"	H/NTM-NTF-0808
1/2"	3/4"	H/NTM-NTF-0812

ADAPTORS - M/F ADAPTOR

NPT x NPT FIXED ADAPTORS CONT...

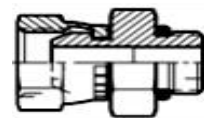
SIZE NPT MALE	SIZE NPT FEMALE	NPT x NPT
1/2"	1"	H/NTM-NTF-0816
3/4"	3/4"	H/NTM-NTF-1212
3/4"	1"	H/NTM-NTF-1216
1"	1"	H/NTM-NTF-1616
1"	1.1/4"	H/NTM-NTF-1620
1.1/4"	1.1/4"	H/NTM-NTF-2020

NPT x JIC FIXED ADAPTORS



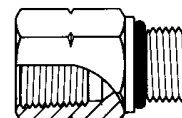
SIZE NPT FEMALE	SIZE JIC MALE	NPT x JIC
1/8"	7/16"	H/NTF-JIM-0207
1/8"	1/2"	H/NTF-JIM-0208
1/4"	7/16"	H/NTF-JIM-0407
1/4"	1/2"	H/NTF-JIM-0408
1/4"	9/16"	H/NTF-JIM-0409
1/4"	3/4"	H/NTF-JIM-0412
3/8"	9/16"	H/NTF-JIM-0609
3/8"	3/4"	H/NTF-JIM-0612
3/8"	7/8"	H/NTF-JIM-0614
1/2"	9/16"	H/NTF-JIM-0809
1/2"	3/4"	H/NTF-JIM-0812
1/2"	7/8"	H/NTF-JIM-0814
1/2"	1.1/16"	H/NTF-JIM-0817
3/4"	1.1/16"	H/NTF-JIM-1217
3/4"	1.5/16"	H/NTF-JIM-1221
1"	1.1/16"	H/NTF-JIM-1617
1"	1.5/16"	H/NTF-JIM-1621
1"	1.5/8"	H/NTF-JIM-1626
1.1/4"	1.5/16"	H/NTF-JIM-2021
1.1/4"	1.5/8"	H/NTF-JIM-2026
1.1/2"	1.7/8"	H/NTF-JIM-2430
2"	2.1/2"	H/NTF-JIM-3240

NPT SWIVEL x UNO ADAPTORS



SIZE NPT FEMALE	SIZE UNO MALE	NPT x UNO
1/8"	7/16"	H/NSF-UNM-0207
1/4"	7/16"	H/NSF-UNM-0407
3/8"	9/16"	H/NSF-UNM-0609
3/8"	3/4"	H/NSF-UNM-0612
1/2"	9/16"	H/NSF-UNM-0809
1/2"	3/4"	H/NSF-UNM-0812
1/2"	7/8"	H/NSF-UNM-0814
1/2"	1.1/16"	H/NSF-UNM-0817
3/4"	1.1/16"	H/NSF-UNM-1217
1"	1.1/16"	H/NSF-UNM-1617
1"	1.5/16"	H/NSF-UNM-1621
1.1/4"	1.5/8"	H/NSF-UNM-2026
1.1/2"	1.7/8"	H/NSF-UNM-2430

NPT x UNO FIXED ADAPTORS



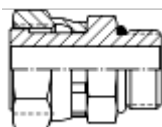
SIZE NPT FEMALE	SIZE UNO MALE	NPT x UNO
1/8"	7/16"	H/NTF-UNM-0207
1/4"	7/16"	H/NTF-UNM-0407
1/4"	9/16"	H/NTF-UNM-0409
1/4"	3/4"	H/NTF-UNM-0412
1/4"	7/8"	H/NTF-UNM-0414
3/8"	9/16"	H/NTF-UNM-0609
3/8"	3/4"	H/NTF-UNM-0612
3/8"	7/8"	H/NTF-UNM-0614
1/2"	3/4"	H/NTF-UNM-0812
1/2"	7/8"	H/NTF-UNM-0814
1/2"	1.1/16"	H/NTF-UNM-0817
3/4"	7/8"	H/NTF-UNM-1214

ADAPTORS - M/F ADAPTOR

NPT x UNO FIXED ADAPTORS CONT...

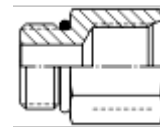
SIZE NPT FEMALE	SIZE UNO MALE	NPT x UNO
3/4"	1.1/16"	H/NTF-UNM-1217
1"	1.5/16"	H/NTF-UNM-1621
1.1/4"	1.5/16"	H/NTF-UNM-2021
1.1/4"	1.5/8"	H/NTF-UNM-2026

ORFS SWIVEL x UNO ADAPTORS



SIZE ORFS FEMALE	SIZE UNO MALE	ORFS x UNO
9/16"	7/16"	H/OSF-UNM-0907
11/16"	9/16"	H/OSF-UNM-1109
13/16"	3/4"	H/OSF-UNM-1312
1"	7/8"	H/OSF-UNM-1614
1.3/16"	1.1/16"	H/OSF-UNM-1917
1.7/16"	1.5/16"	H/OSF-UNM-2321
1.11/16"	1.5/8"	H/OSF-UNM-2726

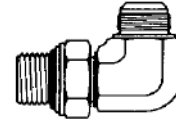
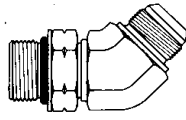
UNO x UNO FIXED ADAPTORS



SIZE UNO MALE	SIZE UNO FEMALE	UNO x UNO
7/16"	7/16"	H/UNM-UNF-0707
7/16"	9/16"	H/UNM-UNF-0709
9/16"	7/16"	H/UNM-UNF-0907
9/16"	9/16"	H/UNM-UNF-0909
9/16"	3/4"	H/UNM-UNF-0912
3/4"	7/16"	H/UNM-UNF-1207
3/4"	9/16"	H/UNM-UNF-1209
3/4"	3/4"	H/UNM-UNF-1212
3/4"	7/8"	H/UNM-UNF-1214
3/4"	1.1/16"	H/UNM-UNF-1217
7/8"	7/16"	H/UNM-UNF-1407
7/8"	9/16"	H/UNM-UNF-1409
7/8"	3/4"	H/UNM-UNF-1412
7/8"	1.1/16"	H/UNM-UNF-1417
1.1/16"	9/16"	H/UNM-UNF-1709
1.1/16"	3/4"	H/UNM-UNF-1712
1.1/16"	7/8"	H/UNM-UNF-1714
1.1/16"	1.1/16"	H/UNM-UNF-1717
1.1/16"	1.5/16"	H/UNM-UNF-1721
1.5/16"	3/4"	H/UNM-UNF-2112
1.5/16"	7/8"	H/UNM-UNF-2114
1.5/16"	1.1/16"	H/UNM-UNF-2117
1.5/8"	1.1/16"	H/UNM-UNF-2617
1.5/8"	1.5/16"	H/UNM-UNF-2621
1.7/8"	3/4"	H/UNM-UNF-3012
1.7/8"	1.1/16"	H/UNM-UNF-3017
1.7/8"	1.5/16"	H/UNM-UNF-3021

ADAPTORS - ELBOWS M/M

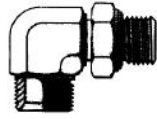
BSPP x JIC ELBOWS 45° & 90°



SIZE BSPP	SIZE JIC	BSPP x JIC 45° ELBOW	BSPP x JIC 90° ELBOW
1/8"	7/16"	H/BPM-JIM-45C-0207	H/BPM-JIM-90C-0207
1/8"	9/16"	-	H/BPM-JIM-90C-0209
1/4"	7/16"	H/BPM-JIM-45C-0407	H/BPM-JIM-90C-0407
1/4"	1/2"	-	H/BPM-JIM-90C-0408
1/4"	9/16"	H/BPM-JIM-45C-0409	H/BPM-JIM-90C-0409
1/4"	3/4"	H/BPM-JIM-45C-0412	H/BPM-JIM-90C-0412
3/8"	7/16"	H/BPM-JIM-45C-0607	H/BPM-JIM-90C-0607
3/8"	9/16"	H/BPM-JIM-45C-0609	H/BPM-JIM-90C-0609
3/8"	3/4"	H/BPM-JIM-45C-0612	H/BPM-JIM-90C-0612
3/8"	7/8"	H/BPM-JIM-45C-0614	H/BPM-JIM-90C-0614
1/2"	7/16"	-	H/BPM-JIM-90C-0807
1/2"	9/16"	H/BPM-JIM-45C-0809	H/BPM-JIM-90C-0809
1/2"	3/4"	H/BPM-JIM-45C-0812	H/BPM-JIM-90C-0812
1/2"	7/8"	H/BPM-JIM-45C-0814	H/BPM-JIM-90C-0814
1/2"	1.1/16"	H/BPM-JIM-45C-0817	H/BPM-JIM-90C-0817
3/4"	9/16"	-	H/BPM-JIM-90C-1209
3/4"	3/4"	-	H/BPM-JIM-90C-1212
3/4"	7/8"	-	H/BPM-JIM-90C-1214
3/4"	1.1/16"	H/BPM-JIM-45C-1217	H/BPM-JIM-90C-1217
3/4"	1.5/16"	H/BPM-JIM-45C-1221	H/BPM-JIM-90C-1221
1"	1.1/16"	H/BPM-JIM-45C-1617	H/BPM-JIM-90C-1617
1"	1.5/16"	H/BPM-JIM-45C-1621	H/BPM-JIM-90C-1621
1"	1.5/8"	H/BPM-JIM-45C-1626	H/BPM-JIM-90C-1626
1.1/4"	1.1/16"	-	H/BPM-JIM-90C-2017
1.1/4"	1.5/16"	-	H/BPM-JIM-90C-2021
1.1/4"	1.5/8"	H/BPM-JIM-45C-2026	H/BPM-JIM-90C-2026
1.1/4"	1.7/8"	-	H/BPM-JIM-90C-2030
1.1/2"	1.5/8"	-	H/BPM-JIM-90C-2426
1.1/2"	1.7/8"	H/BPM-JIM-45C-2430	H/BPM-JIM-90C-2430

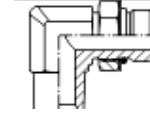
ADAPTORS - ELBOWS M/M

BSPP x BSPT ELBOWS 90°



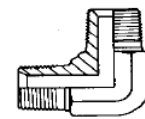
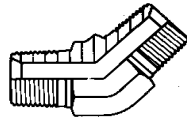
SIZE BSPP	SIZE BSPT	BSPP x BSPT 90° ELBOW
1/4"	1/4"	H/BPM-BTM-90C-0404
3/8"	1/4"	H/BPM-BTM-90C-0604
3/8"	3/8"	H/BPM-BTM-90C-0606
3/8"	1/2"	H/BPM-BTM-90C-0608
1/2"	3/8"	H/BPM-BTM-90C-0806
1/2"	1/2"	H/BPM-BTM-90C-0808
3/4"	1/2"	H/BPM-BTM-90C-1208
3/4"	3/4"	H/BPM-BTM-90C-1212
1"	3/4"	H/BPM-BTM-90C-1612
1"	1"	H/BPM-BTM-90C-1616

BSPT x UNO ELBOWS 90°



SIZE BSPT	SIZE UNO	BSPT x UNO 90° ELBOW
1/4"	7/16"	H/BTM-UNM-90C-0407
1/4"	9/16"	H/BTM-UNM-90C-0409
1/4"	3/4"	H/BTM-UNM-90C-0412
3/8"	9/16"	H/BTM-UNM-90C-0609
3/8"	3/4"	H/BTM-UNM-90C-0612
3/8"	7/8"	H/BTM-UNM-90C-0614
1/2"	3/4"	H/BTM-UNM-90C-0812
1/2"	7/8"	H/BTM-UNM-90C-0814
1/2"	1.1/16"	H/BTM-UNM-90C-0817
3/4"	7/8"	H/BTM-UNM-90C-1214
3/4"	1.1/16"	H/BTM-UNM-90C-1217
1"	1.5/16"	H/BTM-UNM-90C-1621

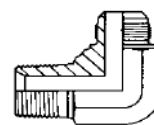
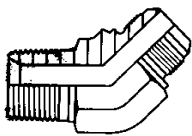
BSPT x BSPT ELBOWS 45° & 90°



SIZE BSPT	SIZE BSPT	BSPT x BSPT 45° ELBOW	BSPT x BSPT 90° ELBOW
1/8"	1/8"	H/BTM-BTM-45C-0202	H/BTM-BTM-90C-0202
1/8"	1/4"	H/BTM-BTM-45C-0204	H/BTM-BTM-90C-0204
1/4"	1/4"	H/BTM-BTM-45C-0404	H/BTM-BTM-90C-0404
1/4"	3/8"	H/BTM-BTM-45C-0406	H/BTM-BTM-90C-0406
1/4"	1/2"	-	H/BTM-BTM-90C-0408
3/8"	3/8"	H/BTM-BTM-45C-0606	H/BTM-BTM-90C-0606
3/8"	1/2"	H/BTM-BTM-45C-0608	H/BTM-BTM-90C-0608
1/2"	1/2"	H/BTM-BTM-45C-0808	H/BTM-BTM-90C-0808
1/2"	3/4"	H/BTM-BTM-45C-0812	H/BTM-BTM-90C-0812
3/4"	3/4"	H/BTM-BTM-45C-1212	H/BTM-BTM-90C-1212
3/4"	1"	H/BTM-BTM-45C-1216	H/BTM-BTM-90C-1216
1"	1"	H/BTM-BTM-45C-1616	H/BTM-BTM-90C-1616
1"	1.1/4"	-	H/BTM-BTM-90C-1620
1.1/4"	1.1/4"	H/BTM-BTM-45C-2020	H/BTM-BTM-90C-2020
1.1/2"	1.1/2"	H/BTM-BTM-45C-2424	H/BTM-BTM-90C-2424
2"	2"	-	H/BTM-BTM-90C-3232

ADAPTORS - ELBOWS M/M

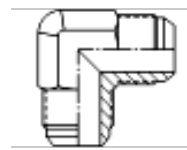
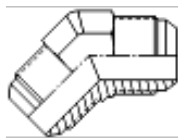
BSPT x JIC ELBOWS 45° & 90°



SIZE BSPT	SIZE JIC	BSPT x JIC 45° ELBOW	BSPT x JIC 90° ELBOW
1/8"	7/16"	H/BTM-JIM-45C-0207	H/BTM-JIM-90C-0207
1/8"	1/2"	-	H/BTM-JIM-90C-0208
1/8"	9/16"	H/BTM-JIM-45C-0209	H/BTM-JIM-90C-0209
1/4"	7/16"	H/BTM-JIM-45C-0407	H/BTM-JIM-90C-0407
1/4"	1/2"	-	H/BTM-JIM-90C-0408
1/4"	9/16"	H/BTM-JIM-45C-0409	H/BTM-JIM-90C-0409
1/4"	3/4"	H/BTM-JIM-45C-0412	H/BTM-JIM-90C-0412
3/8"	7/16"	H/BTM-JIM-45C-0607	H/BTM-JIM-90C-0607
3/8"	9/16"	H/BTM-JIM-45C-0609	H/BTM-JIM-90C-0609
3/8"	3/4"	H/BTM-JIM-45C-0612	H/BTM-JIM-90C-0612
3/8"	7/8"	-	H/BTM-JIM-90C-0614
1/2"	7/16"	-	H/BTM-JIM-90C-0807
1/2"	9/16"	H/BTM-JIM-45C-0809	H/BTM-JIM-90C-0809
1/2"	3/4"	H/BTM-JIM-45C-0812	H/BTM-JIM-90C-0812
1/2"	7/8"	H/BTM-JIM-45C-0814	H/BTM-JIM-90C-0814
1/2"	1.1/16"	H/BTM-JIM-45C-0817	H/BTM-JIM-90C-0817
3/4"	9/16"	-	H/BTM-JIM-90C-1209
3/4"	3/4"	-	H/BTM-JIM-90C-1212
3/4"	7/8"	H/BTM-JIM-45C-1214	H/BTM-JIM-90C-1214
3/4"	1.1/16"	H/BTM-JIM-45C-1217	H/BTM-JIM-90C-1217
3/4"	1.5/16"	-	H/BTM-JIM-90C-1221
1"	1.1/16"	-	H/BTM-JIM-90C-1617
1"	1.5/16"	H/BTM-JIM-45C-1621	H/BTM-JIM-90C-1621
1"	1.5/8"	-	H/BTM-JIM-90C-1626
1.1/4"	1.1/16"	-	H/BTM-JIM-90C-2017
1.1/4"	1.5/16"	-	H/BTM-JIM-90C-2021
1.1/4"	1.5/8"	H/BTM-JIM-45C-2026	H/BTM-JIM-90C-2026
1.1/2"	1.5/8"	-	H/BTM-JIM-90C-2426
1.1/2"	1.7/8"	H/BTM-JIM-45C-2430	H/BTM-JIM-90C-2430
2"	2.1/2"	-	H/BTM-JIM-90C-3240

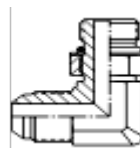
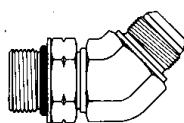
ADAPTORS - ELBOWS M/M

JIC x JIC ELBOWS 45° & 90°



SIZE JIC	SIZE JIC	JIC x JIC 45° ELBOW	JIC x JIC 90° ELBOW
7/16"	7/16"	H/JIM-JIM-45C-0707	H/JIM-JIM-90C-0707
1/2"	1/2"	-	H/JIM-JIM-90C-0808
9/16"	9/16"	H/JIM-JIM-45C-0909	H/JIM-JIM-90C-0909
3/4"	3/4"	H/JIM-JIM-45C-1212	H/JIM-JIM-90C-1212
7/8"	7/8"	H/JIM-JIM-45C-1414	H/JIM-JIM-90C-1414
1.1/16"	1.1/16"	H/JIM-JIM-45C-1717	H/JIM-JIM-90C-1717
1.5/16"	1.5/16"	H/JIM-JIM-45C-2121	H/JIM-JIM-90C-2121
1.5/8"	1.5/8"	-	H/JIM-JIM-90C-2626
1.7/8"	1.7/8"	-	H/JIM-JIM-90C-3030

JIC x UNO ELBOWS 45° & 90°



SIZE JIC	SIZE UNO	JIC x UNO 45° ELBOW	JIC x UNO 90° ELBOW
7/16"	7/16"	H/JIM-UNM-45C-0707	H/JIM-UNM-90C-0707
7/16"	1/2"	-	H/JIM-UNM-90C-0708
7/16"	9/16"	H/JIM-UNM-45C-0709	H/JIM-UNM-90C-0709
7/16"	3/4"	-	H/JIM-UNM-90C-0712
1/2"	7/16"	-	H/JIM-UNM-90C-0807
1/2"	1/2"	H/JIM-UNM-45C-0808	H/JIM-UNM-90C-0808
1/2"	9/16"	-	H/JIM-UNM-90C-0809
9/16"	7/16"	H/JIM-UNM-45C-0907	H/JIM-UNM-90C-0907
9/16"	1/2"	H/JIM-UNM-45C-0908	H/JIM-UNM-90C-0908
9/16"	9/16"	H/JIM-UNM-45C-0909	H/JIM-UNM-90C-0909
9/16"	3/4"	H/JIM-UNM-45C-0912	H/JIM-UNM-90C-0912
9/16"	7/8"	H/JIM-UNM-45C-0914	H/JIM-UNM-90C-0914
9/16"	1.1/16"	-	H/JIM-UNM-90C-0917

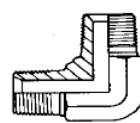
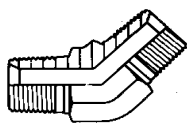
ADAPTORS - ELBOWS M/M

JIC x UNO ELBOWS 45° & 90° CONT...

SIZE JIC	SIZE UNO	JIC x UNO 45° ELBOW	JIC x UNO 90° ELBOW
3/4"	7/16"	-	H/JIM-UNM-90C-1207
3/4"	9/16"	H/JIM-UNM-45C-1209	H/JIM-UNM-90C-1209
3/4"	3/4"	H/JIM-UNM-45C-1212	H/JIM-UNM-90C-1212
3/4"	7/8"	H/JIM-UNM-45C-1214	H/JIM-UNM-90C-1214
3/4"	1.1/16"	H/JIM-UNM-45C-1217	H/JIM-UNM-90C-1217
3/4"	1.5/16"	-	H/JIM-UNM-90C-1221
7/8"	9/16"	-	H/JIM-UNM-90C-1409
7/8"	3/4"	H/JIM-UNM-45C-1412	H/JIM-UNM-90C-1412
7/8"	7/8"	H/JIM-UNM-45C-1414	H/JIM-UNM-90C-1414
7/8"	1.1/16"	H/JIM-UNM-45C-1417	H/JIM-UNM-90C-1417
7/8"	1.5/16"	-	H/JIM-UNM-90C-1421
1.1/16"	9/16"	-	H/JIM-UNM-90C-1709
1.1/16"	3/4"	-	H/JIM-UNM-90C-1712
1.1/16"	7/8"	H/JIM-UNM-45C-1714	H/JIM-UNM-90C-1714
1.1/16"	1.1/16"	H/JIM-UNM-45C-1717	H/JIM-UNM-90C-1717
1.1/16"	1.3/16	-	H/JIM-UNM-90C-1719
1.1/16"	1.5/16"	H/JIM-UNM-45C-1721	H/JIM-UNM-90C-1721
1.1/16"	1.5/8"	-	H/JIM-UNM-90C-1726
1.3/16"	1.3/16"	-	H/JIM-UNM-90C-1919
1.5/16"	3/4"	-	H/JIM-UNM-90C-2112
1.5/16"	1.1/16"	H/JIM-UNM-45C-2117	H/JIM-UNM-90C-2117
1.5/16"	1.3/16"	-	H/JIM-UNM-90C-2119
1.5/16"	1.5/16"	H/JIM-UNM-45C-2121	H/JIM-UNM-90C-2121
1.5/16"	1.5/8"	H/JIM-UNM-45C-2126	H/JIM-UNM-90C-2126
1.5/16"	1.7/8"	-	H/JIM-UNM-90C-2130
1.5/8"	1.5/16"	H/JIM-UNM-45C-2621	H/JIM-UNM-90C-2621
1.5/8"	1.5/8"	H/JIM-UNM-45C-2626	H/JIM-UNM-90C-2626
1.5/8"	1.7/8"	H/JIM-UNM-45C-2630	H/JIM-UNM-90C-2630
1.7/8"	1.5/8"	H/JIM-UNM-45C-3026	H/JIM-UNM-90C-3026
1.7/8"	1.7/8"	H/JIM-UNM-45C-3030	H/JIM-UNM-90C-3030
2.1/2"	2.1/2"	H/JIM-UNM-45C-4040	H/JIM-UNM-90C-4040

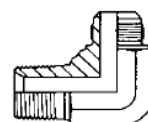
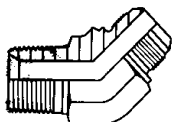
ADAPTORS - ELBOWS M/M

NPT x NPT ELBOWS 45° & 90°



SIZE NPT	SIZE NPT	NPT x NPT 45° ELBOW	NPT x NPT 90° ELBOW
1/8"	1/8"	H/NTM-NTM-45C-0202	H/NTM-NTM-90C-0202
1/8"	1/4"	-	H/NTM-NTM-90C-0204
1/4"	1/4"	H/NTM-NTM-45C-0404	H/NTM-NTM-90C-0404
1/4"	3/8"	-	H/NTM-NTM-90C-0406
3/8"	3/8"	H/NTM-NTM-45C-0606	H/NTM-NTM-90C-0606
3/8"	1/2"	-	H/NTM-NTM-90C-0608
1/2"	1/2"	H/NTM-NTM-45C-0808	H/NTM-NTM-90C-0808
1/2"	3/4"	-	H/NTM-NTM-90C-0812
3/4"	3/4"	H/NTM-NTM-45C-1212	H/NTM-NTM-90C-1212
3/4"	1"	-	H/NTM-NTM-90C-1216
1"	1"	H/NTM-NTM-45C-1616	H/NTM-NTM-90C-1616
1.1/4"	1.1/4"	H/NTM-NTM-45C-2020	H/NTM-NTM-90C-2020
1.1/2"	1.1/2"	H/NTM-NTM-45C-2424	H/NTM-NTM-90C-2424
2"	2"	-	H/NTM-NTM-90C-3232

NPT x JIC ELBOWS 45° & 90°



SIZE NPT	SIZE JIC	NPT x JIC 45° ELBOW	NPT x JIC 90° ELBOW
1/8"	7/16"	H/NTM-JIM-45C-0207	H/NTM-JIM-90C-0207
1/8"	1/2"	H/NTM-JIM-45C-0208	H/NTM-JIM-90C-0208
1/8"	9/16"	H/NTM-JIM-45C-0209	H/NTM-JIM-90C-0209
1/4"	7/16"	H/NTM-JIM-45C-0407	H/NTM-JIM-90C-0407
1/4"	1/2"	H/NTM-JIM-45C-0408	H/NTM-JIM-90C-0408
1/4"	9/16"	H/NTM-JIM-45C-0409	H/NTM-JIM-90C-0409
1/4"	3/4"	H/NTM-JIM-45C-0412	H/NTM-JIM-90C-0412
3/8"	7/16"	H/NTM-JIM-45C-0607	H/NTM-JIM-90C-0607
3/8"	1/2"	-	H/NTM-JIM-90C-0608
3/8"	9/16"	H/NTM-JIM-45C-0609	H/NTM-JIM-90C-0609
3/8"	3/4"	H/NTM-JIM-45C-0612	H/NTM-JIM-90C-0612
3/8"	7/8"	H/NTM-JIM-45C-0614	H/NTM-JIM-90C-0614
1/2"	7/16"	-	H/NTM-JIM-90C-0807

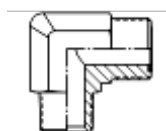
ADAPTORS - ELBOWS M/M

NPT x JIC ELBOWS 45° & 90° CONT...

SIZE NPT	SIZE JIC	NPT x JIC 45° ELBOW	NPT x JIC 90° ELBOW
1/2"	9/16"	H/NTM-JIM-45C-0809	H/NTM-JIM-90C-0809
1/2"	3/4"	H/NTM-JIM-45C-0812	H/NTM-JIM-90C-0812
1/2"	7/8"	H/NTM-JIM-45C-0814	H/NTM-JIM-90C-0814
1/2"	1.1/16"	H/NTM-JIM-45C-0817	H/NTM-JIM-90C-0817
3/4"	9/16"	-	H/NTM-JIM-90C-1209
3/4"	3/4"	H/NTM-JIM-45C-1212	H/NTM-JIM-90C-1212
3/4"	7/8"	H/NTM-JIM-45C-1214	H/NTM-JIM-90C-1214
3/4"	1.1/16"	H/NTM-JIM-45C-1217	H/NTM-JIM-90C-1217
3/4"	1.3/16"	-	H/NTM-JIM-90C-1219
3/4"	1.5/16"	H/NTM-JIM-45C-1221	H/NTM-JIM-90C-1221
1"	3/4"	-	H/NTM-JIM-90C-1612
1"	1.1/16"	H/NTM-JIM-45C-1617	H/NTM-JIM-90C-1617
1"	1.5/16"	H/NTM-JIM-45C-1621	H/NTM-JIM-90C-1621
1"	1.5/8"	H/NTM-JIM-45C-1626	H/NTM-JIM-90C-1626
1.1/4"	1.5/16"	H/NTM-JIM-45C-2021	H/NTM-JIM-90C-2021
1.1/4"	1.5/8"	H/NTM-JIM-45C-2026	H/NTM-JIM-90C-2026
1.1/4"	1.7/8"	-	H/NTM-JIM-90C-2030
1.1/2"	1.5/16"	-	H/NTM-JIM-90C-2421
1.1/2"	1.5/8"	-	H/NTM-JIM-90C-2426
1.1/2"	1.7/8"	H/NTM-JIM-45C-2430	H/NTM-JIM-90C-2430
1.1/2"	2.1/2"	-	H/NTM-JIM-90C-2440
2"	2.1/2"	H/NTM-JIM-45C-3240	H/NTM-JIM-90C-3240

7

NPT x ORFS ELBOWS 90°

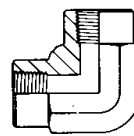
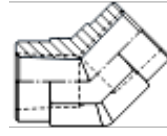
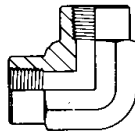


SIZE NPT	SIZE ORFS	NPT x ORFS
1/8"	9/16"	H/NTM-ORM-90C-0209
1/4"	9/16"	H/NTM-ORM-90C-0409
1/4"	11/16"	H/NTM-ORM-90C-0411
3/8"	11/16"	H/NTM-ORM-90C-0611
3/8"	13/16"	H/NTM-ORM-90C-0613
1/2"	11/16"	H/NTM-ORM-90C-0811

SIZE NPT	SIZE ORFS	NPT x ORFS
1/2"	13/16"	H/NTM-ORM-90C-0813
1/2"	1"	H/NTM-ORM-90C-0816
3/4"	13/16"	H/NTM-ORM-90C-1213
3/4"	1"	H/NTM-ORM-90C-1216
3/4"	1.3/16"	H/NTM-ORM-90C-1219
1"	1.3/16"	H/NTM-ORM-90C-1619
1"	1.7/16"	H/NTM-ORM-90C-1623
1.1/4"	1.11/16"	H/NTM-ORM-90C-2027
1.1/2"	2"	H/NTM-ORM-90C-2432

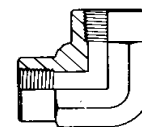
ADAPTORS - ELBOWS F/F

BSP x BSP ELBOWS 45° & 90°



SIZE BSP	SIZE BSP	BSPP x BSPP 90° ELBOW	BSPT x BSPT 45° ELBOW	BSPT x BSPT 90° ELBOW
1/8"	1/8"	H/BPF-BPF-90C-0202	-	H/BTF-BTF-90C-0202
1/4"	1/4"	H/BPF-BPF-90C-0404	H/BTF-BTF-45C-0404	H/BTF-BTF-90C-0404
3/8"	3/8"	H/BPF-BPF-90C-0606	-	H/BTF-BTF-90C-0606
1/2"	1/2"	H/BPF-BPF-90C-0808	H/BTF-BTF-45C-0808	H/BTF-BTF-90C-0808
3/4"	3/4"	H/BPF-BPF-90C-1212	-	H/BTF-BTF-90C-1212
1"	1"	H/BPF-BPF-90C-1616	-	H/BTF-BTF-90C-1616
1.1/4"	1.1/4"	H/BPF-BPF-90C-2020	-	H/BTF-BTF-90C-2020
1.1/2"	1.1/2"	H/BPF-BPF-90C-2424	-	H/BTF-BTF-90C-2424
2"	2"	H/BPF-BPF-90C-3232	-	H/BTF-BTF-90C-3232

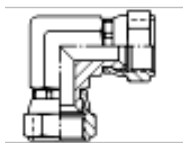
NPT x NPT ELBOWS 45° & 90°



SIZE NPT	SIZE NPT	NPT x NPT 45° ELBOW	NPT x NPT 90° ELBOW
1/8"	1/8"	H/NTF-NTF-45C-0202	H/NTF-NTF-90C-0202
1/4"	1/4"	H/NTF-NTF-45C-0404	H/NTF-NTF-90C-0404
3/8"	3/8"	H/NTF-NTF-45C-0606	H/NTF-NTF-90C-0606
3/8"	1/2"	-	H/NTF-NTF-90C-0608
1/2"	1/2"	H/NTF-NTF-45C-0808	H/NTF-NTF-90C-0808
3/4"	3/4"	H/NTF-NTF-45C-1212	H/NTF-NTF-90C-1212
1"	1"	H/NTF-NTF-45C-1616	H/NTF-NTF-90C-1616
1.1/4"	1.1/4"	-	H/NTF-NTF-90C-2020
1.1/2"	1.1/2"	-	H/NTF-NTF-90C-2424
2"	2"	-	H/NTF-NTF-90C-3232

ADAPTORS - ELBOWS F/F

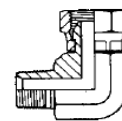
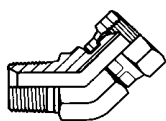
JICx JIC SWIVEL ELBOWS 90°



SIZE JIC	SIZE JIC	JIC x JIC 90° ELBOW
7/16"	7/16"	H/JSF-JSF-90C-0707
9/16"	9/16"	H/JSF-JSF-90C-0909
3/4"	3/4"	H/JSF-JSF-90C-1212
7/8"	7/8"	H/JSF-JSF-90C-1414
1.1/16"	1.1/16"	H/JSF-JSF-90C-1717
1.5/16"	1.5/16"	H/JSF-JSF-90C-2121
1.5/8"	1.5/8"	H/JSF-JSF-90C-2626
1.7/8"	1.7/8"	H/JSF-JSF-90C-3030

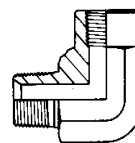
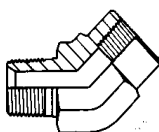
ADAPTORS - ELBOWS M/F

BSPT x BSPP SWIVEL ELBOWS 45° & 90°



SIZE BSPT MALE	SIZE BSPP FEMALE	BSPT x BSPP 45° ELBOW	BSPT x BSPP 90° ELBOW
1/8"	1/8"	H/BTM-BSF-45C-0202	H/BTM-BSF-90C-0202
1/4"	1/4"	H/BTM-BSF-45C-0404	H/BTM-BSF-90C-0404
1/4"	3/8"	-	H/BTM-BSF-90C-0406
3/8"	1/4"	-	H/BTM-BSF-90C-0604
3/8"	3/8"	H/BTM-BSF-45C-0606	H/BTM-BSF-90C-0606
3/8"	1/2"	-	H/BTM-BSF-90C-0608
1/2"	3/8"	-	H/BTM-BSF-90C-0806
1/2"	1/2"	H/BTM-BSF-45C-0808	H/BTM-BSF-90C-0808
1/2"	3/4"	-	H/BTM-BSF-90C-0812
3/4"	1/2"	-	H/BTM-BSF-90C-1208
3/4"	3/4"	H/BTM-BSF-45C-1212	H/BTM-BSF-90C-1212
3/4"	1"	-	H/BTM-BSF-90C-1216
1"	1"	H/BTM-BSF-45C-1616	H/BTM-BSF-90C-1616
1.1/4"	1.1/4"	H/BTM-BSF-45C-2020	H/BTM-BSF-90C-2020
1.1/2"	1.1/2"	H/BTM-BSF-45C-2424	H/BTM-BSF-90C-2424
2"	2"	H/BTM-BSF-45C-3232	H/BTM-BSF-90C-3232

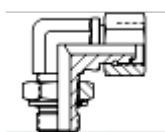
BSPT x BSPT FIXED ELBOWS 45° & 90°



SIZE BSPT MALE	SIZE BSPT FEMALE	BSPT x BSPT 45° ELBOW	BSPT x BSPT 90° ELBOW
1/8"	1/8"	H/BTM-BTF-45C-0202	H/BTM-BTF-90C-0202
1/4"	1/4"	H/BTM-BTF-45C-0404	H/BTM-BTF-90C-0404
3/8"	3/8"	H/BTM-BTF-45C-0606	H/BTM-BTF-90C-0606
1/2"	1/2"	H/BTM-BTF-45C-0808	H/BTM-BTF-90C-0808
3/4"	3/4"	H/BTM-BTF-45C-1212	H/BTM-BTF-90C-1212
1"	1"	H/BTM-BTF-45C-1616	H/BTM-BTF-90C-1616
1.1/4"	1.1/4"	-	H/BTM-BTF-90C-2020
1.1/2"	1.1/2"	-	H/BTM-BTF-90C-2424
2"	2"	-	H/BTM-BTF-90C-3232

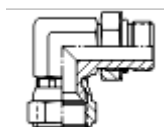
ADAPTORS - ELBOWS M/F

BSPP x BSPP SWIVEL ELBOWS 90°



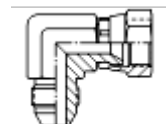
SIZE BSPP MALE	SIZE BSPP FEMALE	BSPP x BSPP 90° ELBOW
1/4"	1/4"	H/BPM-BSF-90C-0404
3/8"	3/8"	H/BPM-BSF-90C-0606
1/2"	1/2"	H/BPM-BSF-90C-0808
3/4"	3/4"	H/BPM-BSF-90C-1212
1"	1"	H/BPM-BSF-90C-1616

JIC SWIVEL x UNO ELBOWS 90°



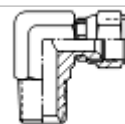
SIZE JIC FEMALE	SIZE UNO MALE	JIC x UNO 90° ELBOW
7/16"	7/16"	H/JSF-UNM-90C-0707
9/16"	9/16"	H/JSF-UNM-90C-0909
3/4"	3/4"	H/JSF-UNM-90C-1212
7/8"	7/8"	H/JSF-UNM-90C-1414
1.1/16"	1.1/16"	H/JSF-UNM-90C-1717
1.5/16"	1.5/16"	H/JSF-UNM-90C-2121
1.5/8"	1.5/8"	H/JSF-UNM-90C-2626

METRIC KOMATSU (JIS) ELBOWS 90°



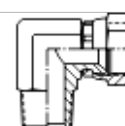
SIZE METRIC MALE	SIZE METRIC FEMALE	METRIC KOMATSU x METRIC KOMATSU
12mm	12mm	H/MKM-MKF-90C-1212
14mm	14mm	H/MKM-MKF-90C-1414
18mm	18mm	H/MKM-MKF-90C-1818
22mm	22mm	H/MKM-MKF-90C-2222

BSPT x JIC SWIVEL ELBOWS 90°



SIZE BSPT MALE	SIZE JIC FEMALE	BSPT x JIC 90° ELBOW
1/8"	7/16"	H/BTM-JSF-90C-0207
1/4"	7/16"	H/BTM-JSF-90C-0407
1/4"	9/16"	H/BTM-JSF-90C-0409
3/8"	9/16"	H/BTM-JSF-90C-0609
3/8"	3/4"	H/BTM-JSF-90C-0612
3/8"	7/8"	H/BTM-JSF-90C-0614
1/2"	3/4"	H/BTM-JSF-90C-0812
1/2"	7/8"	H/BTM-JSF-90C-0814
3/4"	1.1/16"	H/BTM-JSF-90C-1217
1"	1.5/16"	H/BTM-JSF-90C-1621

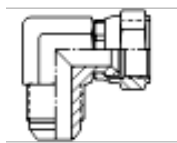
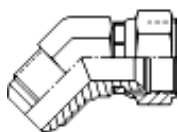
NPT x JIC SWIVEL ELBOWS 90°



SIZE NPT MALE	SIZE JIC FEMALE	NPT x JIC 90° ELBOW
1/8"	7/16"	H/NTM-JSF-0207
1/4"	7/16"	H/NTM-JSF-0407
1/4"	9/16"	H/NTM-JSF-0409
3/8"	9/16"	H/NTM-JSF-0609
1/2"	3/4"	H/NTM-JSF-0812
1/2"	7/8"	H/NTM-JSF-0814
3/4"	1.1/16"	H/NTM-JSF-1217
1"	1.5/16"	H/NTM-JSF-1621
1.1/4"	1.5/8"	H/NTM-JSF-2026
1.1/2"	1.7/8"	H/NTM-JSF-2430

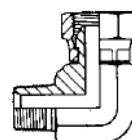
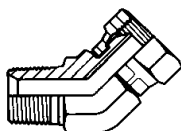
ADAPTORS - ELBOWS M/F

JIC x JIC ELBOWS 45° & 90°



SIZE JIC MALE	SIZE JIC FEMALE	JIC x JIC 45° ELBOW	JIC x JIC 90° ELBOW
7/16"	7/16"	H/JIM-JSF-45C-0707	H/JIM-JSF-90C-0707
1/2"	1/2"	H/JIM-JSF-45C-0808	H/JIM-JSF-90C-0808
9/16"	9/16"	H/JIM-JSF-45C-0909	H/JIM-JSF-90C-0909
3/4"	3/4"	H/JIM-JSF-45C-1212	H/JIM-JSF-90C-1212
7/8"	7/8"	H/JIM-JSF-45C-1414	H/JIM-JSF-90C-1414
1.1/16"	1.1/16"	H/JIM-JSF-45C-1717	H/JIM-JSF-90C-1717
1.5/16"	1.5/16"	H/JIM-JSF-45C-2121	H/JIM-JSF-90C-2121
1.5/8"	1.5/8"	H/JIM-JSF-45C-2626	H/JIM-JSF-90C-2626
1.7/8"	1.7/8"	H/JIM-JSF-45C-3030	H/JIM-JSF-90C-3030
2.1/2"	2.1/2"	H/JIM-JSF-45C-4040	H/JIM-JSF-90C-4040

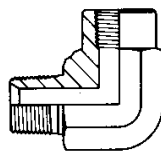
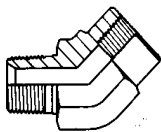
NPT x NPT SWIVEL ELBOWS 45° & 90°



SIZE NPT MALE	SIZE NPT FEMALE	NPT x NPT 45° ELBOW	NPT x NPT 90° ELBOW
1/8"	1/8"	H/NTM-NSF-45C-0202	H/NTM-NSF-90C-0202
1/4"	1/4"	H/NTM-NSF-45C-0404	H/NTM-NSF-90C-0404
1/4"	3/8"	-	H/NTM-NSF-90C-0406
3/8"	1/4"	-	H/NTM-NSF-90C-0604
3/8"	3/8"	H/NTM-NSF-45C-0606	H/NTM-NSF-90C-0606
3/8"	1/2"	-	H/NTM-NSF-90C-0608
1/2"	3/8"	-	H/NTM-NSF-90C-0806
1/2"	1/2"	H/NTM-NSF-45C-0808	H/NTM-NSF-90C-0808
1/2"	3/4"	-	H/NTM-NSF-90C-0812
3/4"	3/4"	H/NTM-NSF-45C-1212	H/NTM-NSF-90C-1212
3/4"	1"	-	H/NTM-NSF-90C-1216
1"	1"	H/NTM-NSF-45C-1616	H/NTM-NSF-90C-1616
1.1/4"	1.1/4"	H/NTM-NSF-45C-2020	H/NTM-NSF-90C-2020
1.1/2"	1.1/2"	-	H/NTM-NSF-90C-2424
2"	2"	-	H/NTM-NSF-90C-3232

ADAPTORS - ELBOWS M/F

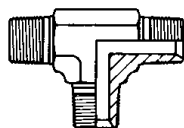
NPT x NPT FIXED ELBOWS 45° & 90°



SIZE NPT MALE	SIZE NPT FEMALE	NPT x NPT 45° ELBOW	NPT x NPT 90° ELBOW
1/8"	1/8"	H/NTM-NTF-45C-0202	H/NTM-NTF-90C-0202
1/8"	1/4"	-	H/NTM-NTF-90C-0204
1/4"	1/8"	-	H/NTM-NTF-90C-0402
1/4"	1/4"	H/NTM-NTF-45C-0404	H/NTM-NTF-90C-0404
1/4"	3/8"	-	H/NTM-NTF-90C-0406
3/8"	1/4"	-	H/NTM-NTF-90C-0604
3/8"	3/8"	H/NTM-NTF-45C-0606	H/NTM-NTF-90C-0606
3/8"	1/2"	-	H/NTM-NTF-90C-0608
1/2"	1/2"	H/NTM-NTF-45C-0808	H/NTM-NTF-90C-0808
1/2"	3/4"	-	H/NTM-NTF-90C-0812
3/4"	1/2"	-	H/NTM-NTF-90C-1208
3/4"	3/4"	H/NTM-NTF-45C-1212	H/NTM-NTF-90C-1212
1"	1"	H/NTM-NTF-45C-1616	H/NTM-NTF-90C-1616
1.1/4"	1.1/4"	H/NTM-NTF-45C-2020	H/NTM-NTF-90C-2020
1.1/2"	1.1/2"	H/NTM-NTF-45C-2424	H/NTM-NTF-90C-2424
2"	2"	-	H/NTM-NTF-90C-3232

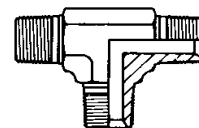
ADAPTORS - TEES M/M/M

BSPT x BSPT x BSPT MALE TEES



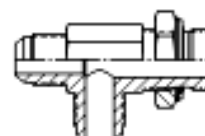
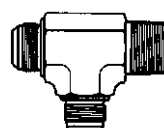
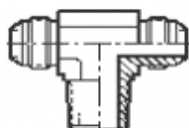
SIZE BSPT	BSPT x BSPT x BSPT
1/8"	H/BTM-BTM-BTM-020202
1/4"	H/BTM-BTM-BTM-040404
3/8"	H/BTM-BTM-BTM-060606
1/2"	H/BTM-BTM-BTM-080808
3/4"	H/BTM-BTM-BTM-121212
1"	H/BTM-BTM-BTM-161616
1.1/4"	H/BTM-BTM-BTM-202020
1.1/2"	H/BTM-BTM-BTM-242424

NPT x NPT x NPT MALE TEES



SIZE NPT	NPT x NPT x NPT
1/8"	H/NTM-NTM-NTM-020202
1/4"	H/NTM-NTM-NTM-040404
3/8"	H/NTM-NTM-NTM-060606
1/2"	H/NTM-NTM-NTM-080808
3/4"	H/NTM-NTM-NTM-121212
1"	H/NTM-NTM-NTM-161616
1.1/4"	H/NTM-NTM-NTM-202020

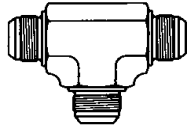
JIC x BSP MALE TEES (BRANCH & RUN)



SIZE JIC	SIZE BSP	JIC x JIC x BSPT	JIC x BSPT x JIC	JIC x BSPP x JIC
7/16"	1/8"	H/JIM-JIM-BTM-070702	H/JIM-BTM-JIM-070207	H/JIM-BPM-JIM-070207
7/16"	1/4"	H/JIM-JIM-BTM-070704	H/JIM-BTM-JIM-070407	H/JIM-BPM-JIM-070407
9/16"	1/4"	H/JIM-JIM-BTM-090904	H/JIM-BTM-JIM-090409	H/JIM-BPM-JIM-090409
9/16"	3/8"	H/JIM-JIM-BTM-090906	H/JIM-BTM-JIM-090609	H/JIM-BPM-JIM-090609
3/4"	3/8"	H/JIM-JIM-BTM-121206	H/JIM-BTM-JIM-120612	H/JIM-BPM-JIM-120612
3/4"	1/2"	H/JIM-JIM-BTM-121208	H/JIM-BTM-JIM-120812	H/JIM-BPM-JIM-120812
7/8"	1/2"	H/JIM-JIM-BTM-141408	H/JIM-BTM-JIM-140814	H/JIM-BPM-JIM-140814
1.1/16"	3/4"	H/JIM-JIM-BTM-171712	H/JIM-BTM-JIM-171217	H/JIM-BPM-JIM-171217
1.5/16"	1"	H/JIM-JIM-BTM-212116	H/JIM-BTM-JIM-211621	H/JIM-BPM-JIM-211621
1.5/8"	1.1/4"	H/JIM-JIM-BTM-262620	-	H/JIM-BPM-JIM-262026

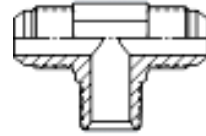
ADAPTORS - TEES M/M/M

JIC x JIC x JIC MALE TEES



SIZE JIC	JIC x JIC x JIC
7/16"	H/JIM-JIM-JIM-070707
1/2"	H/JIM-JIM-JIM-080808
9/16"	H/JIM-JIM-JIM-090909
3/4"	H/JIM-JIM-JIM-121212
7/8"	H/JIM-JIM-JIM-141414
1.1/16"	H/JIM-JIM-JIM-171717
1.5/16"	H/JIM-JIM-JIM-212121
1.5/8"	H/JIM-JIM-JIM-262626
1.7/8"	H/JIM-JIM-JIM-303030
2.1/2"	H/JIM-JIM-JIM-404040

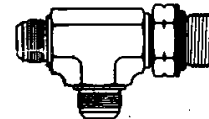
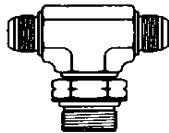
JIC x JIC x NPT MALE TEES



SIZE JIC	SIZE NPT	JIC x JIC x NPT
7/16"	1/8"	H/JIM-JIM-NTM-070702
7/16"	1/4"	H/JIM-JIM-NTM-070704
9/16"	1/4"	H/JIM-JIM-NTM-090904
9/16"	3/8"	H/JIM-JIM-NTM-090906
9/16"	1/2"	H/JIM-JIM-NTM-090908
3/4"	3/8"	H/JIM-JIM-NTM-121206
3/4"	1/2"	H/JIM-JIM-NTM-121208
7/8"	1/2"	H/JIM-JIM-NTM-141408
1.1/16"	3/4"	H/JIM-JIM-NTM-171712
1.5/16"	1"	H/JIM-JIM-NTM-212116
1.5/8"	1.1/4"	H/JIM-JIM-NTM-262620

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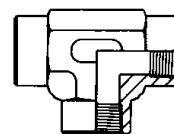
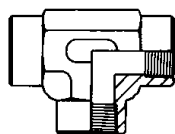
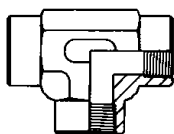
JIC x UNO MALE TEES (BRANCH & RUN)



SIZE JIC	SIZE UNO	JIC x JIC x UNO	JIC x UNO x JIC
7/16"	7/16"	H/JIM-JIM-UNM-070707	H/JIM-UNM-JIM-070707
7/16"	9/16"	-	H/JIM-UNM-JIM-070907
1/2"	1/2"	-	H/JIM-UNM-JIM-080808
9/16"	9/16"	H/JIM-JIM-UNM-090909	H/JIM-UNM-JIM-090909
9/16"	3/4"	H/JIM-JIM-UNM-090912	H/JIM-UNM-JIM-091209
3/4"	9/16"	-	H/JIM-UNM-JIM-120912
3/4"	3/4"	H/JIM-JIM-UNM-121212	H/JIM-UNM-JIM-121212
7/8"	7/8"	H/JIM-JIM-UNM-141414	H/JIM-UNM-JIM-141414
1.1/16"	1.1/16"	H/JIM-JIM-UNM-171717	H/JIM-UNM-JIM-171717
1.5/16"	1.5/16"	H/JIM-JIM-UNM-212121	H/JIM-UNM-JIM-212121
1.5/8"	1.5/8"	H/JIM-JIM-UNM-262626	H/JIM-UNM-JIM-262626
1.7/8"	1.7/8"	H/JIM-JIM-UNM-303030	-

ADAPTORS - TEES F/F/F

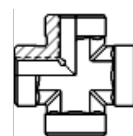
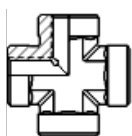
BSPP, BSPT & NPT FEMALE TEES



SIZE THREAD	BSPP x BSPP x BSPP	BSPT x BSPT x BSPT	NPT x NPT x NPT
1/8"	H/BPF-BPF-BPF-020202	H/BTF-BTF-BTF-020202	H/NTF-NTF-NTF-020202
1/4"	H/BPF-BPF-BPF-040404	H/BTF-BTF-BTF-040404	H/NTF-NTF-NTF-040404
3/8"	H/BPF-BPF-BPF-060606	H/BTF-BTF-BTF-060606	H/NTF-NTF-NTF-060606
1/2"	H/BPF-BPF-BPF-080808	H/BTF-BTF-BTF-080808	H/NTF-NTF-NTF-080808
3/4"	H/BPF-BPF-BPF-121212	H/BTF-BTF-BTF-121212	H/NTF-NTF-NTF-121212
1"	H/BPF-BPF-BPF-161616	H/BTF-BTF-BTF-161616	H/NTF-NTF-NTF-161616
1.1/4"	H/BPF-BPF-BPF-202020	H/BTF-BTF-BTF-202020	H/NTF-NTF-NTF-202020
1.1/2"	H/BPF-BPF-BPF-242424	H/BTF-BTF-BTF-242424	H/NTF-NTF-NTF-242424
2"	-	-	H/NTF-NTF-NTF-323232

ADAPTORS - CROSS F/F/F/F

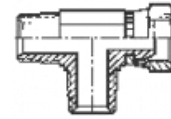
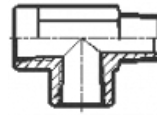
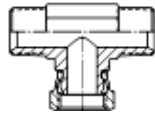
BSPP & NPT FEMALE CROSSES



SIZE THREAD	BSPP x BSPP x BSPP x BSPP	NPT x NPT x NPT x NPT
1/8"	H/BPF-BPF-BPF-BPF-02	H/NTF-NTF-NTF-NTF-02
1/4"	H/BPF-BPF-BPF-BPF-04	H/NTF-NTF-NTF-NTF-04
3/8"	H/BPF-BPF-BPF-BPF-06	H/NTF-NTF-NTF-NTF-06
1/2"	H/BPF-BPF-BPF-BPF-08	H/NTF-NTF-NTF-NTF-08
3/4"	H/BPF-BPF-BPF-BPF-12	H/NTF-NTF-NTF-NTF-12
1"	H/BPF-BPF-BPF-BPF-16	H/NTF-NTF-NTF-NTF-16
1.1/4"	H/BPF-BPF-BPF-BPF-20	-

ADAPTORS - TEES M/F

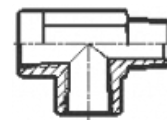
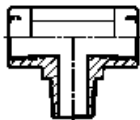
BSPP & BSPT TEES (BRANCH & RUN)



SIZE BSP	BSPT x BSPT x BSPP (BRANCH TEE)	BSPT x BSPT x BSPT (RUN TEE)	BSPT x BSPP x BSPT (RUN TEE)
1/8"	-	-	H/BTM-BSF-BTM-020202
1/4"	H/BTM-BTM-BSF-040404	H/BTF-BTM-BTF-040404	H/BTM-BSF-BTM-040404
3/8"	H/BTM-BTM-BSF-060606	H/BTF-BTM-BTF-060606	H/BTM-BSF-BTM-060606
1/2"	H/BTM-BTM-BSF-080808	H/BTF-BTM-BTF-080808	H/BTM-BSF-BTM-080808
3/4"	H/BTM-BTM-BSF-121212	H/BTF-BTM-BTF-121212	H/BTM-BSF-BTM-121212
1"	H/BTM-BTM-BSF-161616	-	H/BTM-BSF-BTM-161616
1.1/4"	-	-	H/BTM-BSF-BTM-202020
1.1/2"	-	-	H/BTM-BSF-BTM-242424

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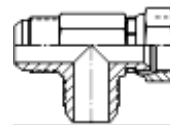
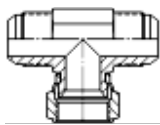
NPT TEES (BRANCH & RUN)



SIZE NPT	NPT x NPT x NPT (BRANCH TEE)	NPT x NPT x NPT (RUN TEE)
1/8"	H/NTF-NTF-NTM-020202	H/NTF-NTM-NTF-020202
1/4"	H/NTF-NTF-NTM-040404	H/NTF-NTM-NTF-040404
3/8"	H/NTF-NTF-NTM-060606	H/NTF-NTM-NTF-060606
1/2"	H/NTF-NTF-NTM-080808	H/NTF-NTM-NTF-080808
3/4"	H/NTF-NTF-NTM-121212	H/NTF-NTM-NTF-121212
1"	H/NTF-NTF-NTM-161616	H/NTF-NTM-NTF-161616
1.1/4"	H/NTF-NTF-NTM-202020	H/NTF-NTM-NTF-202020
1.1/2"	H/NTF-NTF-NTM-242424	H/NTF-NTM-NTF-242424
2"	-	H/NTF-NTM-NTF-323232

ADAPTORS - TEES M/F

JIC TEES (BRANCH & RUN)

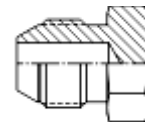
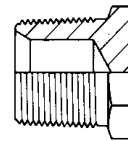
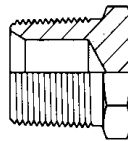
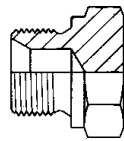


SIZE JIC	JIC x JIC x JIC (BRANCH TEE)	JIC x JIC x JIC (RUN TEE)
7/16"	H/JIM-JIM-JSF-070707	H/JIM-JSF-JIM-070707
1/2"	H/JIM-JIM-JSF-080808	H/JIM-JSF-JIM-080808
9/16"	H/JIM-JIM-JSF-090909	H/JIM-JSF-JIM-090909
3/4"	H/JIM-JIM-JSF-121212	H/JIM-JSF-JIM-121212
7/8"	H/JIM-JIM-JSF-141414	H/JIM-JSF-JIM-141414
1.1/16"	H/JIM-JIM-JSF-171717	H/JIM-JSF-JIM-171717
1.5/16"	H/JIM-JIM-JSF-212121	H/JIM-JSF-JIM-212121
1.5/8"	H/JIM-JIM-JSF-262626	H/JIM-JSF-JIM-262626
1.7/8"	H/JIM-JIM-JSF-303030	H/JIM-JSF-JIM-303030
2.1/2"	H/JIM-JIM-JSF-404040	H/JIM-JSF-JIM-404040

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ADAPTORS - PLUGS

BSPP, BSPT, NPT & BSPP JIS PLUGS



SIZE THREAD	BSPP	BSPT	NPT	BSPP JIS
1/8"	H/BPM-02	H/BTM-02	H/NTM-02	-
1/4"	H/BPM-04	H/BTM-04	H/NTM-04	H/BJM-04
3/8"	H/BPM-06	H/BTM-06	H/NTM-06	H/BJM-06
1/2"	H/BPM-08	H/BTM-08	H/NTM-08	H/BJM-08
3/4"	H/BPM-12	H/BTM-12	H/NTM-12	H/BJM-12
1"	H/BPM-16	H/BTM-16	H/NTM-16	H/BJM-16
1.1/4"	H/BPM-20	H/BTM-20	H/NTM-20	-
1.1/2"	H/BPM-24	H/BTM-24	H/NTM-24	-
2"	H/BPM-32	H/BTM-32	H/NTM-32	-

7

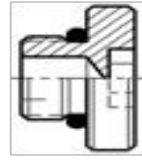
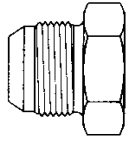
BSPP, BSPT & NPT ALLEN KEY PLUGS



SIZE THREAD	BSPP	BSPT	NPT
1/8"	H/BPM-02-A	H/BTM-02-A	H/NTM-02-A
1/4"	H/BPM-04-A	H/BTM-04-A	H/NTM-04-A
3/8"	H/BPM-06-A	H/BTM-06-A	H/NTM-06-A
1/2"	H/BPM-08-A	H/BTM-08-A	H/NTM-08-A
3/4"	H/BPM-12-A	H/BTM-12-A	H/NTM-12-A
1"	H/BPM-16-A	H/BTM-16-A	H/NTM-16-A
1.1/4"	H/BPM-20-A	H/BTM-20-A	H/NTM-20-A
1.1/2"	H/BPM-24-A	H/BTM-24-A	H/NTM-24-A

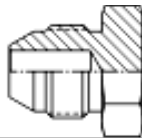
ADAPTORS - PLUGS

JIC & UNO PLUGS



SIZE THREAD	JIC	UNO	UNO ALLEN KEY
5/16"	H/JIM-05	H/UNM-05	-
3/8"	H/JIM-06	H/UNM-06	-
7/16"	H/JIM-07	H/UNM-07	H/UNM-07A
1/2"	H/JIM-08	H/UNM-08	-
9/16"	H/JIM-09	H/UNM-09	H/UNM-09A
3/4"	H/JIM-12	H/UNM-12	H/UNM-12A
7/8"	H/JIM-14	H/UNM-14	H/UNM-14A
1.1/16"	H/JIM-17	H/UNM-17	H/UNM-17A
1.3/16"	H/JIM-19	H/UNM-19	H/UNM-19A
1.5/16"	H/JIM-21	H/UNM-21	-
1.5/8"	H/JIM-26	H/UNM-26	H/UNM-26A
1.7/8"	H/JIM-30	H/UNM-30	-
2.1/2"	H/JIM-40	H/UNM-40	-

METRIC JIS (KOMATSU) PLUGS



SIZE MKM	METRIC JIS (KOMATSU)
14mm	H/MKM-14
16mm	H/MKM-16
18mm	H/MKM-18
20mm	H/MKM-20
22mm	H/MKM-22
24mm	H/MKM-24
26mm	H/MKM-26
30mm	H/MKM-30
33mm	H/MKM-33
36mm	H/MKM-36

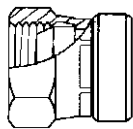
ORFS PLUGS



SIZE ORFS	ORFS
9/16"	H/ORM-09
11/16"	H/ORM-11
13/16"	H/ORM-13
1"	H/ORM-16
1.3/16"	H/ORM-19
1.7/16"	H/ORM-23
1.11/16"	H/ORM-27
2"	H/ORM-32

ADAPTORS - CAPS

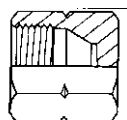
BSPP, NPT & BSPP JIS CAPS



SIZE THREAD	BSPP	NPT	BSPP JIS
1/8"	H/BSF-02	H/NTF-02	-
1/4"	H/BSF-04	H/NTF-04	H/BJF-04
3/8"	H/BSF-06	H/NTF-06	H/BJF-06
1/2"	H/BSF-08	H/NTF-08	H/BJF-08
3/4"	H/BSF-12	H/NTF-12	H/BJF-12
1"	H/BSF-16	H/NTF-16	H/BJF-16
1.1/4"	H/BSF-20	-	H/BJF-20
1.1/2"	H/BSF-24	-	-
2"	H/BSF-32	-	-

7

JIC CAPS



SIZE JIC	JIC
3/8"	H/JIF-06
7/16"	H/JIF-07
1/2"	H/JIF-08
9/16"	H/JIF-09
3/4"	H/JIF-12
7/8"	H/JIF-14
1.1/16"	H/JIF-17
1.3/16"	H/JIF-19
1.5/16"	H/JIF-21
1.5/8"	H/JIF-26
1.7/8"	H/JIF-30
2.1/2"	H/JIF-40

METRIC JIS (KOMATSU) CAPS



SIZE MKM	METRIC JIS (KOMATSU)
14mm	H/MKF-14
16mm	H/MKF-16
18mm	H/MKF-18
20mm	H/MKF-20
22mm	H/MKF-22
24mm	H/MKF-24
26mm	H/MKF-26
30mm	H/MKF-30
33mm	H/MKF-33
36mm	H/MKF-36

ADAPTORS - CAPS

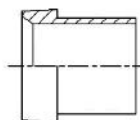
ORFS CAPS



SIZE ORFS	ORFS
9/16"	H/OSF-09
11/16"	H/OSF-11
13/16"	H/OSF-13
1"	H/OSF-16
1.3/16"	H/OSF-19
1.7/16"	H/OSF-23
1.11/16"	H/OSF-27
2"	H/OSF-32

ADAPTORS - TUBE NUT & SLEEVE

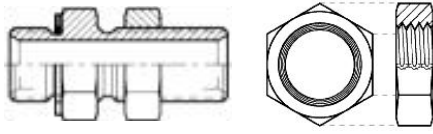
JIC TUBE NUT & SLEEVES



SIZE JIC	NUT	SLEEVE
7/16"	H/JTN-07	H/JTS-07
1/2"	H/JTN-08	H/JTS-08
9/16"	H/JTN-09	H/JTS-09
3/4"	H/JTN-12	H/JTS-12
7/8"	H/JTN-14	H/JTS-14
1.1/16"	H/JTN-17	H/JTS-17
1.5/16"	H/JTN-21	H/JTS-21
1.5/8"	H/JTN-26	H/JTS-26
1.7/8"	H/JTN-30	H/JTS-30

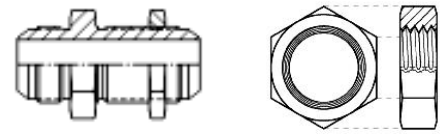
ADAPTORS - BULKHEADS

BSPP BULKHEADS & NUTS



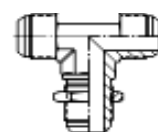
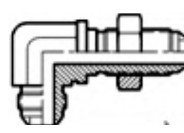
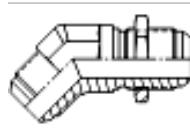
SIZE BSPP	BULKHEAD	NUT TO SUIT
1/4"	H/BPM-BBM-0404	H/BBN-04
3/8"	H/BPM-BBM-0606	H/BBN-06
1/2"	H/BPM-BBM-0808	H/BBN-08
3/4"	H/BPM-BBM-1212	H/BBN-12
1"	H/BPM-BBM-1616	H/BBN-16
1.1/4"	H/BPM-BBM-2020	H/BBN-20
1.1/2"	H/BPM-BBM-2424	H/BBN-24
2"	H/BPM-BBM-3232	-

JIC BULKHEADS & NUTS



SIZE JIC	BULKHEAD	NUT TO SUIT
7/16"	H/JIM-JBM-0707	H/JBN-07
1/2"	H/JIM-JBM-0808	H/JBN-08
9/16"	H/JIM-JBM-0909	H/JBN-09
3/4"	H/JIM-JBM-1212	H/JBN-12
7/8"	H/JIM-JBM-1414	H/JBN-14
1.1/16"	H/JIM-JBM-1717	H/JBN-17
1.3/16"	H/JIM-JBM-1919	H/JBN-19
1.5/16"	H/JIM-JBM-2121	H/JBN-21
1.5/8"	H/JIM-JBM-2626	H/JBN-26
1.7/8"	H/JIM-JBM-3030	H/JBN-30
2.1/2"	H/JIM-JBM-4040	H/JBN-40

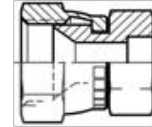
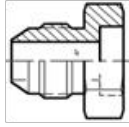
JIC BULKHEADS



SIZE JIC	BULKHEAD 45° ELBOW	BULKHEAD 90° ELBOW	BULKHEAD TEE
7/16"	H/JIM-JBM-45C-0707	H/JIM-JBM-90C-0707	H/JIM-JIM-JBM-070707
1/2"	H/JIM-JBM-45C-0808	H/JIM-JBM-90C-0808	-
9/16"	H/JIM-JBM-45C-0909	H/JIM-JBM-90C-0909	H/JIM-JIM-JBM-090909
3/4"	H/JIM-JBM-45C-1212	H/JIM-JBM-90C-1212	H/JIM-JIM-JBM-121212
7/8"	H/JIM-JBM-45C-1414	H/JIM-JBM-90C-1414	H/JIM-JIM-JBM-141414
1.1/16"	H/JIM-JBM-45C-1717	H/JIM-JBM-90C-1717	H/JIM-JIM-JBM-171717
1.5/16"	H/JIM-JBM-45C-2121	H/JIM-JBM-90C-2121	H/JIM-JIM-JBM-212121
1.5/8"	H/JIM-JBM-45C-2626	H/JIM-JBM-90C-2626	-
1.7/8"	H/JIM-JBM-45C-3030	H/JIM-JBM-90C-3030	-

ADAPTORS - TUBEWELD

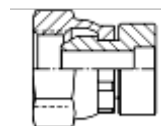
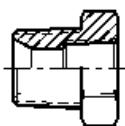
JIC TUBEWELD ADAPTORS



SIZE JIC	SIZE TUBE	JIC MALE	JIC FEMALE
7/16"	1/4"	H/JIM-TWF-0704	H/JSF-TWF-0704
1/2"	5/16"	H/JIM-TWF-0805	-
9/16"	1/4"	H/JIM-TWF-0904	-
9/16"	3/8"	H/JIM-TWF-0906	H/JSF-TWF-0906
9/16"	1/2"	H/JIM-TWF-0908	-
3/4"	3/8"	-	H/JSF-TWF-1206
3/4"	1/2"	H/JIM-TWF-1208	H/JSF-TWF-1208
3/4"	5/8"	-	H/JSF-TWF-1210
7/8"	1/2"	H/JIM-TWF-1408	H/JSF-TWF-1408
7/8"	5/8"	H/JIM-TWF-1410	H/JSF-TWF-1410
7/8"	3/4"	H/JIM-TWF-1412	-
1.1/16"	5/8"	H/JIM-TWF-1710	-
1.1/16"	3/4"	H/JIM-TWF-1712	H/JSF-TWF-1712
1.1/16"	1"	H/JIM-TWF-1716	H/JSF-TWF-1716
1.5/16"	3/4"	H/JIM-TWF-2112	-
1.5/16"	1"	H/JIM-TWF-2116	H/JSF-TWF-2116
1.5/16"	1.1/4"	H/JIM-TWF-2120	H/JSF-TWF-2120
1.5/8"	1"	H/JIM-TWF-2616	-
1.5/8"	1.1/4"	H/JIM-TWF-2620	H/JSF-TWF-2620
1.5/8"	1.1/2"	H/JIM-TWF-2624	-
1.7/8"	1.1/2"	H/JIM-TWF-3024	H/JSF-TWF-3024

ADAPTORS - TUBEWELD

BSP x TUBEWELD ADAPTORS



SIZE BSP	SIZE TUBE	BSPT MALE	BSPP SWIVEL FEMALE
1/4"	1/4"	H/BTM-TWF-0404	H/BSF-TWF-0404
1/4"	3/8"	H/BTM-TWF-0406	-
3/8"	3/8"	H/BTM-TWF-0606	H/BSF-TWF-0606
3/8"	1/2"	H/BTM-TWF-0608	H/BSF-TWF-0608
1/2"	1/2"	H/BTM-TWF-0808	H/BSF-TWF-0808
1/2"	5/8"	H/BTM-TWF-0810	H/BSF-TWF-0810
1/2"	3/4"	H/BTM-TWF-0812	-
3/4"	3/4"	H/BTM-TWF-1212	H/BSF-TWF-1212
3/4"	1"	H/BTM-TWF-1216	-
1"	1"	H/BTM-TWF-1616	H/BSF-TWF-1616
1"	1.1/4"	H/BTM-TWF-1620	-
1.1/4"	1.1/4"	H/BTM-TWF-2020	H/BSF-TWF-2020
1.1/2"	1.1/2"	H/BTM-TWF-2424	H/BSF-TWF-2424
2"	2"	H/BTM-TWF-3232	H/BSF-TWF-3232

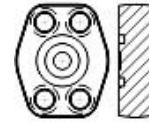
ADAPTORS - CODE 61 & 62

CODE 61 & 62 - SPLIT FLANGES



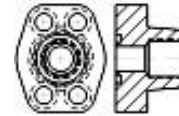
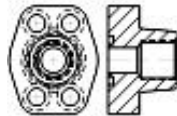
SIZE	SPLIT FLANGE SAE CODE 61	SPLIT FLANGE SAE CODE 62
3/4"	H/CLS-F61-12	H/CLS-F62-12
1"	H/CLS-F61-16	H/CLS-F62-16
1.1/4"	H/CLS-F61-20	H/CLS-F62-20
1.1/2"	H/CLS-F61-24	H/CLS-F62-24
2"	H/CLS-F61-32	H/CLS-F62-32

CODE 61 & 62 - BLANK FLANGES



SIZE	BLANK FLANGE SAE CODE 61	BLANK FLANGE SAE CODE 62
3/4"	H/F61-12	H/F62-12
1"	H/F61-16	H/F62-16
1.1/4"	H/F61-20	H/F62-20
1.1/2"	H/F61-24	H/F62-24
2"	H/F61-32	H/F62-32

BSPP FEMALE x CODE BLANKING PLATES

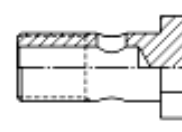
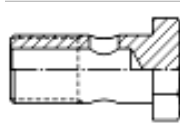


SIZE BSPP	SIZE CODE	CODE 61	CODE 62
3/8"	1/2"	H/BPF-F61-0608	H/BPF-F62-0608
1/2"	1/2"	H/BPF-F61-0808	H/BPF-F62-0808
1/2"	3/4"	H/BPF-F61-0812	H/BPF-F62-0812
3/4"	3/4"	H/BPF-F61-1212	H/BPF-F62-1212
3/4"	1"	H/BPF-F61-1216	H/BPF-F62-1216
1"	1"	H/BPF-F61-1616	H/BPF-F62-1616
1"	1.1/4"	H/BPF-F61-1620	H/BPF-F62-1620
1.1/4"	1.1/4"	H/BPF-F61-2020	H/BPF-F62-2020
1.1/4"	1.1/2"	H/BPF-F61-2024	H/BPF-F62-2024
1.1/2"	1.1/2"	H/BPF-F61-2424	H/BPF-F62-2424
1.1/2"	2"	H/BPF-F61-2432	H/BPF-F62-2432
2"	2"	H/BPF-F61-3232	H/BPF-F62-3232

*** Additional Code 61 & Code 62 Flange adaptors available on request

ADAPTORS - BANJO

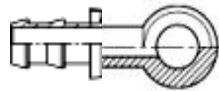
BANJO BOLTS



SIZE	SINGLE BANJO BOLT	DOUBLE BANJO BOLT
8mm x 1	H/MBB-08-1.00	H/MBBD-08-1.00
8mm x 1.25	H/MBB-08-1.25	-
10mm x 1	H/MBB-10-1.00	-
10mm x 1.25	-	H/MBBD-10-1.25
10mm x 1.5	H/MBB-10-1.50	-
12mm x 1.25	H/MBB-12-1.25	-
12mm x 1.5	H/MBB-12-1.50	-
14mm x 1.5	H/MBB-14-1.50	H/MBBD-14-1.50
16mm x 1.5	H/MBB-16-1.50	-
18mm x 1.5	H/MBB-18-1.50	-

7

PUSH ON TAIL x BANJOS



SIZE TAIL	SIZE BANJO	PUSH ON TAIL x BANJO
1/4"	10mm	H/PTB-MBJ-0410
1/4"	12mm	H/PTB-MBJ-0412
5/16"	12mm	H/PTB-MBJ-0512
5/16"	14mm	H/PTB-MBJ-0514
3/8"	12mm	H/PTB-MBJ-0612
3/8"	14mm	H/PTB-MBJ-0614

JIC MALE x BANJOS



SIZE JIC	SIZE BANJO	JIC MALE x BANJO
7/16"	10mm	H/JIM-MBJ-0710
7/16"	12mm	H/JIM-MBJ-0712
7/16"	14mm	H/JIM-MBJ-0714
9/16"	12mm	H/JIM-MBJ-0912
9/16"	14mm	H/JIM-MBJ-0914
9/16"	16mm	H/JIM-MBJ-0916
9/16"	18mm	H/JIM-MBJ-0918
3/4"	14mm	H/JIM-MBJ-1214
3/4"	16mm	H/JIM-MBJ-1216
7/8"	16mm	H/JIM-MBJ-1416
7/8"	18mm	H/JIM-MBJ-1418

HYDRAULIC MISCELLANEOUS

METRIC WASHER



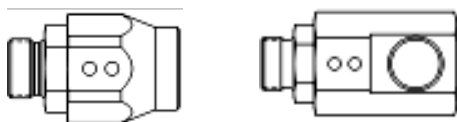
SIZE	DOWTY SEAL	COPPER WASHER
6mm	H/DSM-06	-
8mm	H/DSM-08	H/MBW-08
10mm	H/DSM-10	H/MBW-10
12mm	H/DSM-12	H/MBW-12
14mm	H/DSM-14	H/MBW-14
16mm	H/DSM-16	H/MBW-16
18mm	H/DSM-18	H/MBW-18
20mm	H/DSM-20	-
22mm	H/DSM-22	H/MBW-22
24mm	H/DSM-24	H/MBW-24
26mm	H/DSM-26	H/MBW-26
30mm	H/DSM-30	H/MBW-30

IMPERIAL WASHER



SIZE	IMPERIAL DOWTY SEAL
1/8"	H/DSB-02
1/4"	H/DSB-04
3/8"	H/DSB-06
1/2"	H/DSB-08
3/4"	H/DSB-12
1"	H/DSB-16
1.1/4"	H/DSB-20
1.1/2"	H/DSB-24
2"	H/DSB-32

BSPP SWIVEL JOINTS 3000psi



SIZE	MALE / FEMALE STRAIGHT	MALE / FEMALE ELBOW 90°
1/4"	H/SWV-BMF-0404	H/SWV-BMF-90C-0404
3/8"	H/SWV-BMF-0606	H/SWV-BMF-90C-0606
1/2"	H/SWV-BMF-0808	H/SWV-BMF-90C-0808
3/4"	H/SWV-BMF-1212	H/SWV-BMF-90C-1212
1"	H/SWV-BMF-1616	H/SWV-BMF-90C-1616
1.1/4"	H/SWV-BMF-2020	H/SWV-BMF-90C-2020
1.1/2"	H/SWV-BMF-2424	H/SWV-BMF-90C-2424
2"	H/SWV-BMF-3232	H/SWV-BMF-90C-3232

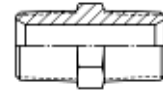
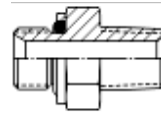
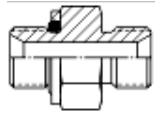
RYCO AIR BREATHER FILTERS



SIZE MALE	RYCO SERIES	R60 SERIES
1/4"		H/AIR-04-R64
3/8"		H/AIR-06-R62
1/2"	R60	H/AIR-08-R61
3/4"		H/AIR-12-R60
3/4"		H/AIR-U12-R67 *UNO
3/4"		H/AIR-12-R362
1"	R300	H/AIR-16-R362
2"		H/AIR-32-R356

STAINLESS STEEL ADAPTORS

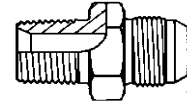
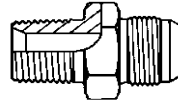
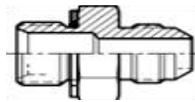
BSP NIPPLES



SIZE BSP	SIZE BSP	BSPP x BSPP	BSPP x BSPT	BSPT x BSPT
1/8"	1/8"	H/SS-BPM-BPM-0202	H/SS-BPM-BTM-0202	H/SS-BTM-BTM-0202
1/4"	1/4"	H/SS-BPM-BPM-0404	H/SS-BPM-BTM-0404	H/SS-BTM-BTM-0404
1/4"	3/8"	H/SS-BPM-BPM-0604	H/SS-BPM-BTM-0604	H/SS-BTM-BTM-0604
3/8"	3/8"	H/SS-BPM-BPM-0606	H/SS-BPM-BTM-0606	H/SS-BTM-BTM-0606
3/8"	1/2"	H/SS-BPM-BPM-0806	H/SS-BPM-BTM-0806	H/SS-BTM-BTM-0806
1/2"	1/2"	H/SS-BPM-BPM-0808	H/SS-BPM-BTM-0808	H/SS-BTM-BTM-0808
3/4"	3/4"	H/SS-BPM-BPM-1212	H/SS-BPM-BTM-1212	H/SS-BTM-BTM-1212
3/4"	1"	H/SS-BPM-BPM-1612	H/SS-BPM-BTM-1612	H/SS-BTM-BTM-1612
1"	1"	H/SS-BPM-BPM-1616	H/SS-BPM-BTM-1616	H/SS-BTM-BTM-1616
1.1/4"	1.1/4"	H/SS-BPM-BPM-2020	H/SS-BPM-BTM-2020	H/SS-BTM-BTM-2020
1.1/2"	1.1/2"	H/SS-BPM-BPM-2424	H/SS-BPM-BTM-2424	H/SS-BTM-BTM-2424

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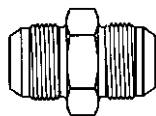
BSP x JIC NIPPLES



SIZE BSP	SIZE JIC	BSPP x JIC	BSPT x JIC	NPT x JIC
1/8"	7/16"	H/SS-BPM-JIM-0207	H/SS-BTM-JIM-0207	H/SS-NTM-JIM-0207
1/4"	7/16"	H/SS-BPM-JIM-0407	H/SS-BTM-JIM-0407	H/SS-NTM-JIM-0407
1/4"	9/16"	H/SS-BPM-JIM-0409	H/SS-BTM-JIM-0409	H/SS-NTM-JIM-0409
3/8"	9/16"	H/SS-BPM-JIM-0609	H/SS-BTM-JIM-0609	H/SS-NTM-JIM-0609
1/2"	9/16"	H/SS-BPM-JIM-0809	H/SS-BTM-JIM-0809	H/SS-NTM-JIM-0809
1/2"	3/4"	H/SS-BPM-JIM-0812	H/SS-BTM-JIM-0812	H/SS-NTM-JIM-0812
1/2"	7/8"	H/SS-BPM-JIM-0814	H/SS-BTM-JIM-0814	H/SS-NTM-JIM-0814
1/2"	1.1/16"	H/SS-BPM-JIM-0817	H/SS-BTM-JIM-0817	H/SS-NTM-JIM-0817
3/4"	3/4"	H/SS-BPM-JIM-1212	H/SS-BTM-JIM-1212	H/SS-NTM-JIM-1212
3/4"	7/8"	H/SS-BPM-JIM-1214	H/SS-BTM-JIM-1214	H/SS-NTM-JIM-1214
3/4"	1.1/16"	H/SS-BPM-JIM-1217	H/SS-BTM-JIM-1217	H/SS-NTM-JIM-1217
3/4"	1.5/16"	H/SS-BPM-JIM-1221	H/SS-BTM-JIM-1221	H/SS-NTM-JIM-1221
1"	1.1/16"	H/SS-BPM-JIM-1617	H/SS-BTM-JIM-1617	H/SS-NTM-JIM-1617
1"	1.5/16"	H/SS-BPM-JIM-1621	H/SS-BTM-JIM-1621	H/SS-NTM-JIM-1621
1.1/4"	1.5/16"	H/SS-BPM-JIM-2021	H/SS-BTM-JIM-2021	H/SS-NTM-JIM-2021
1.1/4"	1.5/8"	H/SS-BPM-JIM-2026	H/SS-BTM-JIM-2026	H/SS-NTM-JIM-2026
1.1/2"	1.7/8"	H/SS-BPM-JIM-2430	H/SS-BTM-JIM-2430	H/SS-NTM-JIM-2430
2"	2.1/2"	H/SS-BPM-JIM-3240	H/SS-BTM-JIM-3240	H/SS-NTM-JIM-3240

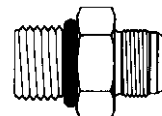
STAINLESS STEEL ADAPTORS

JIC x JIC NIPPLES



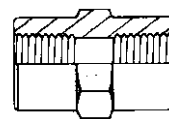
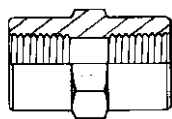
SIZE JIC	SIZE JIC	JIC x JIC
7/16"	7/16"	H/SS-JIM-JIM-0707
1/2"	1/2"	H/SS-JIM-JIM-0808
9/16"	9/16"	H/SS-JIM-JIM-0909
3/4"	3/4"	H/SS-JIM-JIM-1212
7/8"	7/8"	H/SS-JIM-JIM-1414
1.1/16"	1.1/16"	H/SS-JIM-JIM-1717
1.5/16"	1.5/16"	H/SS-JIM-JIM-2121
1.5/8"	1.5/8"	H/SS-JIM-JIM-2626
1.7/8"	1.7/8"	H/SS-JIM-JIM-3030
2.1/2"	2.1/2"	H/SS-JIM-JIM-4040

JIC x UNO NIPPLES



SIZE JIC	SIZE UNO	JIC x UNO
7/16"	7/16"	H/SS-JIM-UNM-0707
9/16"	9/16"	H/SS-JIM-UNM-0909
9/16"	7/8"	H/SS-JIM-UNM-0914
3/4"	3/4"	H/SS-JIM-UNM-1212
7/8"	7/8"	H/SS-JIM-UNM-1414
1.1/16"	7/8"	H/SS-JIM-UNM-1714
1.1/16"	1.1/16"	H/SS-JIM-UNM-1717
1.5/16"	1.5/16"	H/SS-JIM-UNM-2121
1.5/8"	1.5/8"	H/SS-JIM-UNM-2626
1.7/8"	1.7/8"	H/SS-JIM-UNM-3030

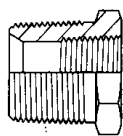
SOCKETS



SIZE BSP	BSPT x BSPT	NPT x NPT
1/8"	H/SS-BTF-BTF-0202	H/SS-NTF-NTF-0202
1/4"	H/SS-BTF-BTF-0404	H/SS-NTF-NTF-0404
3/8"	H/SS-BTF-BTF-0606	H/SS-NTF-NTF-0606
1/2"	H/SS-BTF-BTF-0808	H/SS-NTF-NTF-0808
3/4"	H/SS-BTF-BTF-1212	H/SS-NTF-NTF-1212
1"	H/SS-BTF-BTF-1616	H/SS-NTF-NTF-1616
1.1/4"	H/SS-BTF-BTF-2020	H/SS-NTF-NTF-2020
1.1/2"	H/SS-BTF-BTF-2424	H/SS-NTF-NTF-2424
2"	H/SS-BTF-BTF-3232	H/SS-NTF-NTF-3232

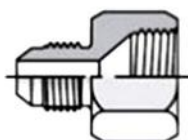
STAINLESS STEEL ADAPTORS

BSPT x BSPT FIXED ADAPTORS (BUSH)



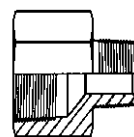
SIZE BSPT MALE	SIZE BSPT FEMALE	BSPT x BSPT
1/4"	1/8"	H/SS-BTM-BTF-0402
3/8"	1/8"	H/SS-BTM-BTF-0602
3/8"	1/4"	H/SS-BTM-BTF-0604
1/2"	1/4"	H/SS-BTM-BTF-0804
1/2"	3/8"	H/SS-BTM-BTF-0806
3/4"	3/8"	H/SS-BTM-BTF-1206
3/4"	1/2"	H/SS-BTM-BTF-1208
1"	1/2"	H/SS-BTM-BTF-1608
1"	3/4"	H/SS-BTM-BTF-1612
1.1/4"	1"	H/SS-BTM-BTF-2016

JIC x JIC FIXED ADAPTORS



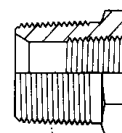
SIZE JIC MALE	SIZE JIC FEMALE	JIC x JIC
7/16"	9/16"	H/SS-JIM-JIF-0709
7/16"	3/4"	H/SS-JIM-JIF-0712
7/16"	7/8"	H/SS-JIM-JIF-0714
9/16"	3/4"	H/SS-JIM-JIF-0912
9/16"	7/8"	H/SS-JIM-JIF-0914
9/16"	1.1/16"	H/SS-JIM-JIF-0917
3/4"	1.1/16"	H/SS-JIM-JIF-1217
3/4"	1.5/16"	H/SS-JIM-JIF-1221
1.1/16"	1.5/16"	H/SS-JIM-JIF-1721
1.1/16"	1.5/8"	H/SS-JIM-JIF-1726
1.1/16"	1.7/8"	H/SS-JIM-JIF-1730

BSPT x BSPT FIXED ADAPTORS



SIZE BSPT MALE	SIZE BSPT FEMALE	BSPT x BSPT
1/8"	1/4"	H/SS-BTM-BTF-0204
1/8"	3/8"	H/SS-BTM-BTF-0206
1/4"	1/4"	H/SS-BTM-BTF-0404
1/4"	3/8"	H/SS-BTM-BTF-0406
1/4"	1/2"	H/SS-BTM-BTF-0408
3/8"	3/8"	H/SS-BTM-BTF-0606
3/8"	1/2"	H/SS-BTM-BTF-0608
3/8"	3/4"	H/SS-BTM-BTF-0612
1/2"	1/2"	H/SS-BTM-BTF-0808
1/2"	3/4"	H/SS-BTM-BTF-0812
1/2"	1"	H/SS-BTM-BTF-0816
3/4"	3/4"	H/SS-BTM-BTF-1212
3/4"	1"	H/SS-BTM-BTF-1216
1"	1"	H/SS-BTM-BTF-1616

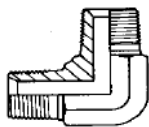
NPT x NPT FIXED ADAPTORS (BUSH)



SIZE NPT MALE	SIZE NPT FEMALE	NPT x NPT
1/4"	1/8"	H/SS-NTM-NTF-0402
3/8"	1/4"	H/SS-NTM-NTF-0604
1/2"	1/4"	H/SS-NTM-NTF-0804
1/2"	3/8"	H/SS-NTM-NTF-0806
3/4"	1/2"	H/SS-NTM-NTF-1208
1"	1/2"	H/SS-NTM-NTF-1608
1"	3/4"	H/SS-NTM-NTF-1612

STAINLESS STEEL ADAPTORS

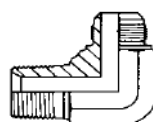
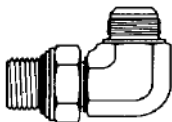
BSPT x BSPT MALE/MALE ELBOWS 90°



SIZE BSPT	SIZE BSPT	BSPT x BSPT 90° ELBOW
1/4"	1/4"	H/SS-BTM-BTM-90C-0404
3/8"	3/8"	H/SS-BTM-BTM-90C-0606
1/2"	1/2"	H/SS-BTM-BTM-90C-0808
3/4"	3/4"	H/SS-BTM-BTM-90C-1212
1"	1"	H/SS-BTM-BTM-90C-1616

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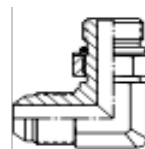
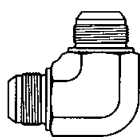
BSP x JIC MALE/MALE ELBOWS 90°



SIZE BSP	SIZE JIC	BSPP x JIC 90° ELBOW	BSPT x JIC 90° ELBOW
1/8"	7/16"	H/SS-BPM-JIM-90C-0207	H/SS-BTM-JIM-90C-0207
1/4"	7/16"	H/SS-BPM-JIM-90C-0407	H/SS-BTM-JIM-90C-0407
1/4"	9/16"	H/SS-BPM-JIM-90C-0409	H/SS-BTM-JIM-90C-0409
3/8"	9/16"	H/SS-BPM-JIM-90C-0609	H/SS-BTM-JIM-90C-0609
3/8"	3/4"	H/SS-BPM-JIM-90C-0612	H/SS-BTM-JIM-90C-0612
1/2"	9/16"	H/SS-BPM-JIM-90C-0809	H/SS-BTM-JIM-90C-0809
1/2"	3/4"	H/SS-BPM-JIM-90C-0812	H/SS-BTM-JIM-90C-0812
1/2"	7/8"	H/SS-BPM-JIM-90C-0814	H/SS-BTM-JIM-90C-0814
1/2"	1.1/16"	H/SS-BPM-JIM-90C-0817	H/SS-BTM-JIM-90C-0817
3/4"	7/8"	-	H/SS-BTM-JIM-90C-1214
3/4"	1.1/16"	H/SS-BPM-JIM-90C-1217	H/SS-BTM-JIM-90C-1217
3/4"	1.5/16"	-	H/SS-BTM-JIM-90C-1221
1"	1.1/16"	H/SS-BPM-JIM-90C-1617	H/SS-BTM-JIM-90C-1617
1"	1.5/16"	H/SS-BPM-JIM-90C-1621	H/SS-BTM-JIM-90C-1621
1.1/4"	1.5/8"	H/SS-BPM-JIM-90C-2026	H/SS-BTM-JIM-90C-2026
1.1/2"	1.7/8"	H/SS-BPM-JIM-90C-2430	H/SS-BTM-JIM-90C-2430

STAINLESS STEEL ADAPTORS

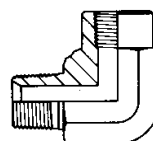
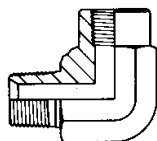
JIC & UNO MALE/MALE ELBOWS 90°



SIZE THREAD	SIZE THREAD	JIC x JIC 90° ELBOW	JIC x UNO 90° ELBOW
7/16"	7/16"	H/SS-JIM-JIM-90C-0707	H/SS-JIM-UNM-90C-0707
9/16"	9/16"	H/SS-JIM-JIM-90C-0909	H/SS-JIM-UNM-90C-0909
3/4"	3/4"	H/SS-JIM-JIM-90C-1212	H/SS-JIM-UNM-90C-1212
7/8"	7/8"	H/SS-JIM-JIM-90C-1414	H/SS-JIM-UNM-90C-1414
1.1/16"	1.1/16"	H/SS-JIM-JIM-90C-1717	H/SS-JIM-UNM-90C-1717
1.5/16"	1.5/16"	H/SS-JIM-JIM-90C-2121	H/SS-JIM-UNM-90C-2121
1.5/8"	1.5/8"	H/SS-JIM-JIM-90C-2626	H/SS-JIM-UNM-90C-2626
1.7/8"	1.7/8"	H/SS-JIM-JIM-90C-3030	H/SS-JIM-UNM-90C-3030

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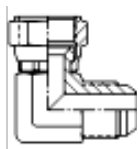
BSP & NPT MALE/FEMALE ELBOWS 90°



SIZE THREAD MALE	SIZE THREAD FEMALE	BSPT x BSPT 90° ELBOW	NPT x NPT 90° ELBOW
1/4"	1/4"	H/SS-BTM-BPF-90C-0404	H/SS-NTM-NTF-90C-0404
3/8"	3/8"	H/SS-BTM-BPF-90C-0606	H/SS-NTM-NTF-90C-0606
1/2"	1/2"	H/SS-BTM-BPF-90C-0808	H/SS-NTM-NTF-90C-0808
3/4"	3/4"	H/SS-BTM-BPF-90C-1212	H/SS-NTM-NTF-90C-1212
1"	1"	H/SS-BTM-BPF-90C-1616	H/SS-NTM-NTF-90C-1616

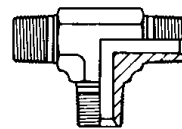
STAINLESS STEEL ADAPTORS

JIC x JIC MALE/FEMALE ELBOWS 90°



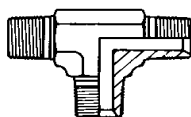
SIZE JIC MALE	SIZE JIC FEMALE	JIC x JIC
7/16"	7/16"	H/SS-JIM-JIF-90C-0707
9/16"	9/16"	H/SS-JIM-JIF-90C-0909
3/4"	3/4"	H/SS-JIM-JIF-90C-1212
7/8"	7/8"	H/SS-JIM-JIF-90C-1414
1.1/16"	1.1/16"	H/SS-JIM-JIF-90C-1717
1.5/16"	1.5/16"	H/SS-JIM-JIF-90C-2121
1.5/8"	1.5/8"	H/SS-JIM-JIF-90C-2626
1.7/8"	1.7/8"	H/SS-JIM-JIF-90C-3030

BSPT x BSPT x BSPT MALE TEES



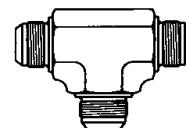
SIZE BSPT	BSPT x BSPT x BSPT
1/8"	H/SS-BTM-BTM-BTM-020202
1/4"	H/SS-BTM-BTM-BTM-040404
3/8"	H/SS-BTM-BTM-BTM-060606
1/2"	H/SS-BTM-BTM-BTM-080808
3/4"	H/SS-BTM-BTM-BTM-121212
1"	H/SS-BTM-BTM-BTM-161616

NPT x NPT x NPT MALE TEES



SIZE NPT	NPT x NPT x NPT
1/8"	H/SS-NTM-NTM-NTM-020202
1/4"	H/SS-NTM-NTM-NTM-040404
3/8"	H/SS-NTM-NTM-NTM-060606
1/2"	H/SS-NTM-NTM-NTM-080808
3/4"	H/SS-NTM-NTM-NTM-121212
1"	H/SS-NTM-NTM-NTM-161616

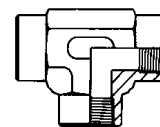
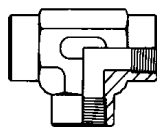
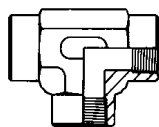
JIC x JIC x JIC MALE TEES



SIZE JIC	JIC x JIC x JIC
7/16"	H/SS-JIM-JIM-JIM-070707
9/16"	H/SS-JIM-JIM-JIM-090909
3/4"	H/SS-JIM-JIM-JIM-121212
1.1/16"	H/SS-JIM-JIM-JIM-171717
1.5/16"	H/SS-JIM-JIM-JIM-212121
1.5/8"	H/SS-JIM-JIM-JIM-262626
1.7/8"	H/SS-JIM-JIM-JIM-303030

STAINLESS STEEL ADAPTORS

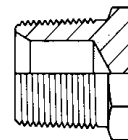
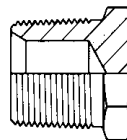
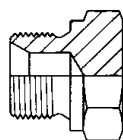
BSPP, BSPT & NPT FEMALE TEES



SIZE THREAD	SIZE THREAD	BSPP x BSPP x BSPP	BSPT x BSPT x BSPT	NPT x NPT x NPT
1/8"	1/8"	H/SS-BPF-BPF-BPF-020202	H/SS-BTF-BTF-BTF-020202	H/SS-NTF-NTF-NTF-020202
1/4"	1/4"	H/SS-BPF-BPF-BPF-040404	H/SS-BTF-BTF-BTF-040404	H/SS-NTF-NTF-NTF-040404
3/8"	3/8"	H/SS-BPF-BPF-BPF-060606	H/SS-BTF-BTF-BTF-060606	H/SS-NTF-NTF-NTF-060606
1/2"	1/2"	H/SS-BPF-BPF-BPF-080808	H/SS-BTF-BTF-BTF-080808	H/SS-NTF-NTF-NTF-080808
3/4"	3/4"	H/SS-BPF-BPF-BPF-121212	H/SS-BTF-BTF-BTF-121212	H/SS-NTF-NTF-NTF-121212
1"	1"	H/SS-BPF-BPF-BPF-161616	H/SS-BTF-BTF-BTF-161616	H/SS-NTF-NTF-NTF-161616

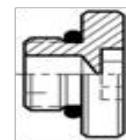
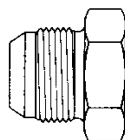
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BSPP, BSPT & NPT PLUGS



SIZE THREAD	BSPP	BSPT	NPT
1/8"	H/SS-BPM-02	H/SS-BTM-02	H/SS-NTM-02
1/4"	H/SS-BPM-04	H/SS-BTM-04	H/SS-NTM-04
3/8"	H/SS-BPM-06	H/SS-BTM-06	H/SS-NTM-06
1/2"	H/SS-BPM-08	H/SS-BTM-08	H/SS-NTM-08
3/4"	H/SS-BPM-12	H/SS-BTM-12	H/SS-NTM-12

JIC & UNO PLUGS



SIZE THREAD	JIC	UNO *ALLEN KEY HEAD
7/16"	H/SS-JIM-07	H/SS-UNM-07
1/2"	H/SS-JIM-08	H/SS-UNM-08
9/16"	H/SS-JIM-09	H/SS-UNM-09
3/4"	H/SS-JIM-12	H/SS-UNM-12
7/8"	H/SS-JIM-14	H/SS-UNM-14
1.1/16"	H/SS-JIM-17	H/SS-UNM-17

METRIC ADAPTORS

METRIC THREAD SPECIFICATIONS

TUBE OD	'LL' EXTRA LIGHT	'L' LIGHT	'S' HEAVY
4	M8 x 1		
6	M10 x 1	M12 x 1.5	M14 x 1.5
8	M12 x 1	M14 x 1.5	M16 x 1.5
10		M16 x 1.5	M18 x 1.5
12		M18 x 1.5	M20 x 1.5
14			M22 x 1.5
15		M22 x 1.5	
16			M24 x 1.5
18		M26 x 1.5	
20			M30 x 2
22		M30 x 2	
25			M36 x 2
28		M36 x 2	
30			M42 x 2
35		M45 x 2	
38			M52 x 2
42		M52 x 2	

- Profile rings cross over size for size between the light and heavy series.
- Metric studs (M/MSM) have a wider flat hex to enable sealing, usually with a metric dowty seal or encapsulated o-ring
- Standard metric adaptors are for joining nut & ring assemblies to threads, joining tubes, & adapting female hydraulic hose tail ends.
- Plugs for tapped holes are stud males (M/MSM). Plugs for sealing a nut & ring assembly, (or hydraulic female hose tail) are part of the standard adaptor range (M/MLM or M/MHM)
- Caps consist of two pieces, the nut (M/MLN) and the sealing insert (M/MLF)
- The fittings are designed to have a higher working pressure than the tube they are fitted on

METRIC COUNTERSUNK PLUGS

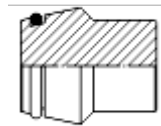
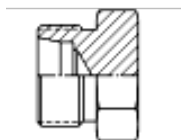


SIZE MET	PART NUMBER
M10 x 1	M/MSM-CS-10 (6LL)
M12 x 1.5	M/MSM-CS-12 (6L)
M14 x 1.5	M/MSM-CS-14 (8L)
M16 x 1.5	M/MSM-CS-16 (10L)
M18 x 1.5	M/MSM-CS-18 (12L)



SIZE MET	PART NUMBER
M20 x 1.5	M/MSM-CS-20 (12S)
M22 x 1.5	M/MSM-CS-22 (15L)
M24 x 1.5	M/MSM-CS-24 (16S)
M26 x 1.5	M/MSM-CS-26 (18L)

METRIC ADAPTORS



EXTRA LIGHT (LL)

SIZE MET	PROFILE RING	NUT	SEALING PLUG	SEALING CAP INSERT
4LL	M/MCS-08 (4LL)	M/MLLN-08 (4LL)	-	M/MLLF-08 (4LL)
6LL	M/MCS-10 (6LL)	M/MLLN-10 (6LL)	-	M/MLLF-10 (6LL)
8LL	M/MCS-12 (8LL)	M/MLLN-12 (8LL)	-	M/MLLF-12 (8LL)

LIGHT (L)

SIZE MET	PROFILE RING	NUT	SEALING PLUG	SEALING CAP INSERT
6L	M/MCS-12 (6L&6S)	M/MLN-12 (6L)	M/MLM-12 (6L)	M/MLF-12 (6L)
8L	M/MCS-14 (8L&8S)	M/MLN-14 (8L)	M/MLM-14 (8L)	M/MLF-14 (8L)
10L	M/MCS-16 (10L&10S)	M/MLN-16 (10L)	M/MLM-16 (10L)	M/MLF-16 (10L)
12L	M/MCS-18 (12L&12S)	M/MLN-18 (12L)	M/MLM-18 (12L)	M/MLF-18 (12L)
15L	M/MCS-22 (15L)	M/MLN-22 (15L)	M/MLM-22 (15L)	M/MLF-22 (15L)
18L	M/MCS-26 (18L)	M/MLN-26 (18L)	M/MLM-26 (18L)	M/MLF-26 (18L)
22L	M/MCS-30 (22L)	M/MLN-30 (22L)	M/MLM-30 (22L)	M/MLF-30 (22L)
28L	M/MCS-36 (28L)	M/MLN-36 (28L)	M/MLM-36 (28L)	M/MLF-36 (28L)
35L	M/MCS-45 (35L)	M/MLN-45 (35L)	M/MLM-45 (35L)	M/MLF-45 (35L)
42L	M/MCS-52 (42L)	M/MLN-52 (42L)	M/MLM-52 (42L)	M/MLF-52 (42L)

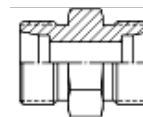
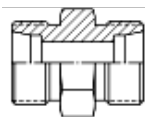
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HEAVY (H)

SIZE MET	PROFILE RING	NUT	SEALING PLUG	SEALING CAP INSERT
6S	M/MCS-14 (6L&6S)	M/MHN-14 (6S)	M/MHM-14 (6S)	M/MHF-14 (6S)
8S	M/MCS-16 (8L&8S)	M/MHN-16 (8S)	M/MHM-16 (8S)	M/MHF-16 (8S)
10S	M/MCS-18 (10L&10S)	M/MHN-18 (10S)	M/MHM-18 (10S)	M/MHF-18 (10S)
12S	M/MCS-20 (12L&12S)	M/MHN-20 (12S)	M/MHM-20 (12S)	M/MHF-20 (12S)
14S	M/MCS-22 (14S)	M/MHN-22 (14S)	M/MHM-22 (14S)	M/MHF-22 (14S)
16S	M/MCS-24 (16S)	M/MHN-24 (16S)	M/MHM-24 (16S)	M/MHF-24 (16S)
20S	M/MCS-30 (20S)	M/MHN-30 (20S)	M/MHM-30 (20S)	M/MHF-30 (20S)
25S	M/MCS-36 (25S)	M/MHN-36 (25S)	M/MHM-36 (25S)	M/MHF-36 (25S)
30S	M/MCS-42 (30S)	M/MHN-42 (30S)	M/MHM-42 (30S)	M/MHF-42 (30S)
38S	M/MCS-52 (38S)	M/MHN-52 (38S)	M/MHM-52 (38S)	M/MHF-52 (38S)

METRIC ADAPTORS

MALE METRIC COMPRESSION x MALE METRIC COMPRESSION



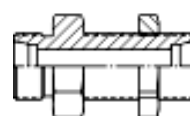
SIZE MET	SIZE MET	EXTRA LIGHT x EXTRA LIGHT
4LL	4LL	M/MLLM-MLLM-0808 (4LL)
6LL	6LL	M/MLLM-MLLM-1010 (6LL)
8LL	8LL	M/MLLM-MLLM-1212 (8LL)

SIZE MET	SIZE MET	LIGHT x LIGHT
6L	6L	M/MLM-MLM-1212 (6L)
8L	6L	M/MLM-MLM-1412 (8L6L)
	8L	M/MLM-MLM-1414 (8L)
10L	6L	M/MLM-MLM-1612 (10L6L)
	8L	M/MLM-MLM-1614 (10L8L)
	10L	M/MLM-MLM-1616 (10L)
12L	6L	M/MLM-MLM-1812 (12L6L)
	8L	M/MLM-MLM-1814 (12L8L)
	10L	M/MLM-MLM-1816 (12L10L)
	12L	M/MLM-MLM-1818 (12L)
15L	10L	M/MLM-MLM-2216 (15L10L)
	12L	M/MLM-MLM-2218 (15L12L)
	15L	M/MLM-MLM-2222 (15L)
18L	10L	M/MLM-MLM-2616 (18L10L)
	12L	M/MLM-MLM-2618 (18L12L)
	15L	M/MLM-MLM-2622 (18L15L)
	18L	M/MLM-MLM-2626 (18L)
22L	15L	M/MLM-MLM-3022 (22L15L)
	18L	M/MLM-MLM-3026 (22L18L)
	22L	M/MLM-MLM-3030 (22L)
28L	18L	M/MLM-MLM-3626 (28L18L)
	22L	M/MLM-MLM-3630 (28L22L)
	28L	M/MLM-MLM-3636 (28L)
35L	22L	M/MLM-MLM-4530 (35L22L)
	28L	M/MLM-MLM-4536 (35L28L)
	35L	M/MLM-MLM-4545 (35L)
42L	42L	M/MLM-MLM-5252 (42L)

SIZE MET	SIZE MET	HEAVY x HEAVY
6S	6S	M/MHM-MHM-1414 (6S)
8S	6S	M/MHM-MHM-1614 (8S6S)
	8S	M/MHM-MHM-1616 (8S)
10S	6S	M/MHM-MHM-1814 (10S6S)
	8S	M/MHM-MHM-1816 (10S8S)
	10S	M/MHM-MHM-1818 (10S)
12S	6S	M/MHM-MHM-2014 (12S6S)
	8S	M/MHM-MHM-2016 (12S8S)
	10S	M/MHM-MHM-2018 (12S10S)
14S	12S	M/MHM-MHM-2020 (12S)
	10S	M/MHM-MHM-2218 (14S10S)
	12S	M/MHM-MHM-2220 (14S12S)
	14S	M/MHM-MHM-2222 (14S)
16S	10S	M/MHM-MHM-2418 (16S10S)
	12S	M/MHM-MHM-2420 (16S12S)
	14S	M/MHM-MHM-2422 (16S14S)
	16S	M/MHM-MHM-2424 (16S)
20S	16S	M/MHM-MHM-3024 (16S20S)
	20S	M/MHM-MHM-3030 (20S)
25S	16S	M/MHM-MHM-3624 (25S16S)
	20S	M/MHM-MHM-3630 (25S20S)
	25S	M/MHM-MHM-3636 (25S)
30S	20S	M/MHM-MHM-4230 (30S20S)
	25S	M/MHM-MHM-4236 (30S25S)
	30S	M/MHM-MHM-4242 (30S)
38S	30S	M/MHM-MHM-5242 (38S30S)
	38S	M/MHM-MHM-5252 (38S)

METRIC ADAPTORS

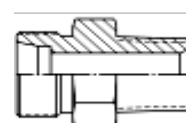
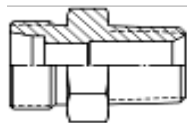
MALE METRIC COMPRESSION x MALE METRIC COMPRESSION BULKHEADS



SIZE MET	LIGHT x LIGHT
6L	M/MLM-MBM-1212 (6L)
8L	M/MLM-MBM-1414 (8L)
10L	M/MLM-MBM-1616 (10L)
12L	M/MLM-MBM-1818 (12L)
15L	M/MLM-MBM-2222 (15L)
18L	M/MLM-MBM-2626 (18L)
22L	M/MLM-MBM-3030 (22L)
28L	M/MLM-MBM-3636 (28L)
35L	M/MLM-MBM-4545 (35L)
42L	M/MLM-MBM-5252 (42L)

SIZE MET	HEAVY x HEAVY
6S	M/MHM-MBM-1414 (6S)
8S	M/MHM-MBM-1616 (8S)
10S	M/MHM-MBM-1818 (10S)
12S	M/MHM-MBM-2020 (12S)
14S	M/MHM-MBM-2222 (14S)
16S	M/MHM-MBM-2424 (16S)
20S	M/MHM-MBM-3030 (20S)
25S	M/MHM-MBM-3636 (25S)
30S	M/MHM-MBM-4242 (30S)
38S	M/MHM-MBM-5252 (38S)

MALE METRIC COMPRESSION x MALE BSP & NPT THREAD



SIZE MET	SIZE THR	EXTRA LIGHT x BSPT	EXTRA LIGHT x BSPP	EXTRA LIGHT x NPT
4LL	1/8"	M/MLLM-BTM-0802 (4LL)	M/MLLM-BPM-0802 (4LL)	M/MLLM-NTM-0802 (4LL)
6LL	1/8"	M/MLLM-BTM-1002 (6LL)	M/MLLM-BPM-1002 (6LL)	M/MLLM-NTM-1002 (6LL)
8LL	1/8"	M/MLLM-BTM-1202 (8LL)	M/MLLM-BPM-1202 (8LL)	-

SIZE MET	SIZE THR	LIGHT x BSPT	LIGHT x BSPP	LIGHT x NPT
6L	1/8"	M/MLM-BTM-1202 (6L)	M/MLM-BPM-1202 (6L)	M/MLM-NTM-1202 (6L)
	1/4"	M/MLM-BTM-1204 (6L)	M/MLM-BPM-1204 (6L)	M/MLM-NTM-1204 (6L)
	3/8"	-	M/MLM-BPM-1206 (6L)	-
8L	1/8"	M/MLM-BTM-1402 (8L)	M/MLM-BPM-1402 (8L)	M/MLM-NTM-1402 (8L)
	1/4"	M/MLM-BTM-1404 (8L)	M/MLM-BPM-1404 (8L)	M/MLM-NTM-1404 (8L)
	3/8"	M/MLM-BTM-1406 (8L)	M/MLM-BPM-1406 (8L)	M/MLM-NTM-1406 (8L)
	1/2"	M/MLM-BTM-1408 (8L)	M/MLM-BPM-1408 (8L)	-
10L	1/8"	M/MLM-BTM-1602 (10L)	M/MLM-BPM-1602 (10L)	M/MLM-NTM-1602 (10L)
	1/4"	M/MLM-BTM-1604 (10L)	M/MLM-BPM-1604 (10L)	M/MLM-NTM-1604 (10L)
	3/8"	M/MLM-BTM-1606 (10L)	M/MLM-BPM-1606 (10L)	M/MLM-NTM-1606 (10L)
	1/2"	M/MLM-BTM-1608 (10L)	M/MLM-BPM-1608 (10L)	M/MLM-NTM-1608 (10L)

METRIC ADAPTORS

MALE METRIC COMPRESSION x MALE BSP & NPT THREAD cont...

SIZE MET	SIZE THR	LIGHT x BSPT	LIGHT x BSPP	LIGHT x NPT
12L	1/4"	M/MLM-BTM-1804 (12L)	M/MLM-BPM-1804 (12L)	M/MLM-NTM-1804 (12L)
	3/8"	M/MLM-BTM-1806 (12L)	M/MLM-BPM-1806 (12L)	M/MLM-NTM-1806 (12L)
	1/2"	M/MLM-BTM-1808 (12L)	M/MLM-BPM-1808 (12L)	M/MLM-NTM-1808 (12L)
15L	3/8"	M/MLM-BTM-2206 (15L)	M/MLM-BPM-2206 (15L)	M/MLM-NTM-2206 (15L)
	1/2"	M/MLM-BTM-2208 (15L)	M/MLM-BPM-2208 (15L)	M/MLM-NTM-2208 (15L)
	3/4"	-	M/MLM-BPM-2212 (15L)	-
18L	1/2"	M/MLM-BTM-2608 (18L)	M/MLM-BPM-2608 (18L)	M/MLM-NTM-2608 (18L)
	3/4"	M/MLM-BTM-2612 (18L)	M/MLM-BPM-2612 (18L)	M/MLM-NTM-2612 (18L)
22L	1/2"	-	M/MLM-BPM-3008 (22L)	-
	3/4"	M/MLM-BTM-3012 (22L)	M/MLM-BPM-3012 (22L)	M/MLM-NTM-3012 (22L)
	1"	-	M/MLM-BPM-3016 (22L)	-
28L	3/4"	-	M/MLM-BPM-3612 (28L)	-
	1"	M/MLM-BTM-3616 (28L)	M/MLM-BPM-3616 (28L)	M/MLM-NTM-3616 (28L)
35L	1"	-	M/MLM-BPM-4516 (35L)	-
	1.1/4"	M/MLM-BTM-4520 (35L)	M/MLM-BPM-4520 (35L)	M/MLM-NTM-4520 (35L)
42L	1.1/4"	-	M/MLM-BPM-5220 (42L)	-
	1.1/2"	M/MLM-BTM-5224 (42L)	M/MLM-BPM-5224 (42L)	M/MLM-NTM-5224 (42L)

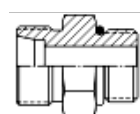
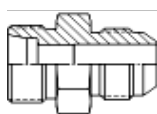
SIZE MET	SIZE THR	HEAVY x BSPT	HEAVY x BSPP	HEAVY x NPT
6S	1/4"	M/MHM-BTM-1404 (6S)	M/MHM-BPM-1404 (6S)	M/MHM-NTM-1404 (6S)
8S	1/4"	M/MHM-BTM-1604 (8S)	M/MHM-BPM-1604 (8S)	M/MHM-NTM-1604 (8S)
	3/8"	-	M/MHM-BPM-1606 (8S)	-
	1/2"	M/MHM-BTM-1608 (8S)	-	-
10S	1/4"	-	M/MHM-BPM-1804 (10S)	M/MHM-NTM-1804 (10S)
	3/8"	M/MHM-BTM-1806 (10S)	M/MHM-BPM-1806 (10S)	M/MHM-NTM-1806 (10S)
	1/2"	M/MHM-BTM-1808 (10S)	M/MHM-BPM-1808 (10S)	-
12S	1/4"	-	M/MHM-BPM-2004 (12S)	-
	3/8"	M/MHM-BTM-2006 (12S)	M/MHM-BPM-2006 (12S)	M/MHM-NTM-2006 (12S)
	1/2"	M/MHM-BTM-2008 (12S)	M/MHM-BPM-2008 (12S)	M/MHM-NTM-2008 (12S)
14S	3/8"	M/MHM-BTM-2206 (14S)	M/MHM-BPM-2206 (14S)	M/MHM-NTM-2206 (14S)
	1/2"	M/MHM-BTM-2208 (14S)	M/MHM-BPM-2208 (14S)	M/MHM-NTM-2208 (14S)
16S	3/8"	M/MHM-BTM-2406 (16S)	M/MHM-BPM-2406 (16S)	M/MHM-NTM-2406 (16S)
	1/2"	M/MHM-BTM-2408 (16S)	M/MHM-BPM-2408 (16S)	M/MHM-NTM-2408 (16S)
	3/4"	-	M/MHM-BPM-2412 (16S)	-
20S	1/2"	M/MHM-BTM-3008 (20S)	M/MHM-BPM-3008 (20S)	M/MHM-NTM-3008 (20S)
	3/4"	M/MHM-BTM-3012 (20S)	M/MHM-BPM-3012 (20S)	M/MHM-NTM-3012 (20S)
	1"	-	M/MHM-BPM-3016 (20S)	-

METRIC ADAPTORS

MALE METRIC COMPRESSION x MALE BSP & NPT THREAD CONT...

SIZE MET	SIZE THR	HEAVY x BSPT	HEAVY x BSPP	HEAVY x NPT
25S	3/4"	M/MHM-BTM-3612 (25S)	M/MHM-BPM-3612 (25S)	M/MHM-NTM-3612 (25S)
	1"	M/MHM-BTM-3616 (25S)	M/MHM-BPM-3616 (25S)	M/MHM-NTM-3616 (25S)
30S	1"	M/MHM-BTM-4216 (30S)	M/MHM-BPM-4216 (30S)	M/MHM-NTM-4216 (30S)
	1.1/4"	M/MHM-BTM-4220 (30S)	M/MHM-BPM-4220 (30S)	M/MHM-NTM-4220 (30S)
38S	1.1/4"	-	M/MHM-BPM-5220 (38S)	-
	1.1/2"	M/MHM-BTM-5224 (38S)	M/MHM-BPM-5224 (38S)	M/MHM-NTM-5224 (38S)

MALE METRIC COMPRESSION x MALE UNO & JIC THREAD



SIZE MET	SIZE THR	LIGHT x JIC	LIGHT x UNO
6L	7/16"	M/MLM-JIM-1207 (6L)	M/MLM-UNM-1207 (6L)
	9/16"	M/MLM-JIM-1209 (6L)	-
8L	7/16"	M/MLM-JIM-1407 (8L)	M/MLM-UNM-1407 (8L)
	9/16"	M/MLM-JIM-1409 (8L)	M/MLM-UNM-1409 (8L)
10L	7/16"	-	M/MLM-UNM-1607 (10L)
	9/16"	M/MLM-JIM-1609 (10L)	M/MLM-UNM-1609 (10L)
	3/4"	M/MLM-JIM-1612 (10L)	-
12L	9/16"	-	M/MLM-UNM-1809 (12L)
	3/4"	M/MLM-JIM-1812 (12L)	M/MLM-UNM-1812 (12L)
	7/8"	-	M/MLM-UNM-1814 (12L)
15L	3/4"	M/MLM-JIM-2212 (15L)	M/MLM-UNM-2212 (15L)
	7/8"	M/MLM-JIM-2214 (15L)	-
	1.1/16"	M/MLM-JIM-2217 (15L)	-
18L	3/4"	M/MLM-JIM-2612 (18L)	M/MLM-UNM-2612 (18L)
	7/8"	M/MLM-JIM-2614 (18L)	M/MLM-UNM-2614 (18L)
	1.1/16"	M/MLM-JIM-2617 (18L)	-
22L	7/8"	-	M/MLM-UNM-3014 (22L)
	1.1/16"	M/MLM-JIM-3017 (22L)	M/MLM-UNM-3017 (22L)
	1.5/16"	M/MLM-JIM-3021 (22L)	M/MLM-UNM-3021 (22L)
28L	1.1/16"	-	M/MLM-UNM-3617 (28L)
	1.5/16"	M/MLM-JIM-3621 (28L)	M/MLM-UNM-3621 (28L)
35L	1.5/16"	-	M/MLM-UNM-4521 (35L)
	1.5/8"	-	M/MLM-UNM-4526 (35L)
42L	1.5/8"	-	M/MLM-UNM-5226 (42L)
	1.7/8"	-	M/MLM-UNM-5230 (42L)

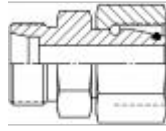
METRIC ADAPTORS

MALE METRIC COMPRESSION x MALE UNO & JIC THREAD CONT...

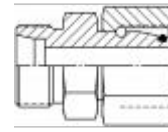
SIZE MET	SIZE THR	LIGHT x JIC	LIGHT x UNO
6S	7/16"	-	M/MHM-UNM-1407 (6S)
	9/16"	M/MHM-JIM-1409 (6S)	M/MHM-UNM-1409 (6S)
8S	7/16"	-	M/MHM-UNM-1607 (8S)
	9/16"	M/MHM-JIM-1609 (8S)	M/MHM-UNM-1609 (8S)
10S	9/16"	-	M/MHM-UNM-1809 (10S)
	3/4"	M/MHM-JIM-1812 (10S)	-
12S	9/16"	-	M/MHM-UNM-2009 (12S)
	3/4"	M/MHM-JIM-2012 (12S)	M/MHM-UNM-2012 (12S)
14S	3/4"	-	M/MHM-UNM-2212 (14S)
	7/8"	M/MHM-JIM-2214 (14S)	-
16S	3/4"	-	M/MHM-UNM-2412 (16S)
	7/8"	M/MHM-JIM-2414 (16S)	M/MHM-UNM-2414 (16S)
	1.1/16"	M/MHM-JIM-2417 (16S)	-
	3/4"	-	M/MHM-UNM-3012 (20S)
20S	7/8"	M/MHM-JIM-3014 (20S)	M/MHM-UNM-3014 (20S)
	1.1/16"	M/MHM-JIM-3017 (20S)	M/MHM-UNM-3017 (20S)
25S	1.1/16"	M/MHM-JIM-3617 (25S)	M/MHM-UNM-3617 (25S)
	1.5/16"	M/MHM-JIM-3621 (25S)	M/MHM-UNM-3621 (25S)
30S	1.5/16"	M/MHM-JIM-4221 (30S)	M/MHM-UNM-4221 (30S)
	1.5/8"	-	M/MHM-UNM-4226 (30S)
38S	1.5/8"	-	M/MHM-UNM-5226 (38S)
	1.7/8"	-	M/MHM-UNM-5230 (38S)

METRIC ADAPTORS

MALE METRIC COMPRESSION x FEMALE METRIC ADAPTORS



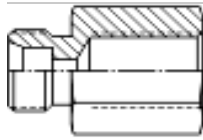
SIZE METRIC	LIGHT x LIGHT
6L	M/MLM-MLF-1212 (6L)
8L	M/MLM-MLF-1414 (8L)
10L	M/MLM-MLF-1616 (10L)
12L	M/MLM-MLF-1818 (12L)
15L	M/MLM-MLF-2222 (15L)
18L	M/MLM-MLF-2626 (18L)
22L	M/MLM-MLF-3030 (22L)
28L	M/MLM-MLF-3636 (28L)
35L	M/MLM-MLF-4545 (35L)
42L	M/MLM-MLF-5252 (42L)



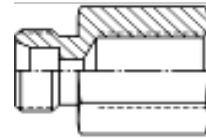
SIZE METRIC	HEAVY x HEAVY
6S	M/MHM-MHF-1414 (6S)
8S	M/MHM-MHF-1616 (8S)
10S	M/MHM-MHF-1818 (10S)
12S	M/MHM-MHF-2020 (12S)
14S	M/MHM-MHF-2222 (14S)
16S	M/MHM-MHF-2424 (16S)
20S	M/MHM-MHF-3030 (20S)
25S	M/MHM-MHF-3636 (25S)
30S	M/MHM-MHF-4242 (30S)
38S	M/MHM-MHF-5252 (38S)

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MALE METRIC COMPRESSION x FEMALE BSPP ADAPTORS



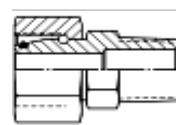
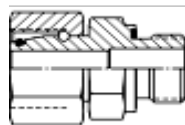
SIZE MET MALE	SIZE BSPP FEM	LIGHT x BSPP
6L	1/8"	M/MLM-BPF-1202 (6L)
8L	1/4"	M/MLM-BPF-1404 (8L)
10L	1/4"	M/MLM-BPF-1604 (10L)
12L	3/8"	M/MLM-BPF-1806 (12L)
15L	1/2"	M/MLM-BPF-2208 (15L)
18L	1/2"	M/MLM-BPF-2608 (18L)
22L	3/4"	M/MLM-BPF-3012 (22L)
28L	1"	M/MLM-BPF-3616 (28L)
35L	1.1/4"	M/MLM-BPF-4520 (35L)
42L	1.1/2"	M/MLM-BPF-5224 (42L)



SIZE MET MALE	SIZE BSPP FEM	HEAVY x BSPP
6S	1/4"	M/MHM-BPF-1404 (6S)
8S	1/4"	M/MHM-BPF-1604 (8S)
10S	3/8"	M/MHM-BPF-1806 (10S)
12S	3/8"	M/MHM-BPF-2006 (12S)
14S	1/2"	M/MHM-BPF-2208 (14S)
16S	1/2"	M/MHM-BPF-2408 (16S)
20S	3/4"	M/MHM-BPF-3012 (20S)
25S	1"	M/MHM-BPF-3616 (25S)
30S	1.1/4"	M/MHM-BPF-4220 (30S)
38S	1.1/2"	M/MHM-BPF-5224 (38S)

METRIC ADAPTORS

FEMALE METRIC COMPRESSION x MALE BSP & NPT THREAD ADAPTORS



SIZE MET FEM	SIZE THR MALE	LIGHT x BSPP	LIGHT x NPT
6L	1/8"	M/MLF-BPM-1202 (6L)	M/MLF-NTM-1202 (6L)
	1/4"	M/MLF-BPM-1204 (6L)	-
8L	1/4"	M/MLF-BPM-1404 (8L)	M/MLF-NTM-1404 (8L)
10L	1/4"	M/MLF-BPM-1604 (10L)	M/MLF-NTM-1604 (10L)
	3/8"	M/MLF-BPM-1606 (10L)	-
12L	1/4"	M/MLF-BPM-1804 (12L)	-
	3/8"	M/MLF-BPM-1806 (12L)	M/MLF-NTM-1806 (12L)
	1/2"	M/MLF-BPM-1808 (12L)	-
15L	3/8"	M/MLF-BPM-2206 (15L)	-
	1/2"	M/MLF-BPM-2208 (15L)	M/MLF-NTM-2208 (15L)
	3/4"	M/MLF-BPM-2212 (15L)	-
18L	1/2"	M/MLF-BPM-2608 (18L)	M/MLF-NTM-2608 (18L)
	3/4"	M/MLF-BPM-2612 (18L)	-
22L	3/4"	M/MLF-BPM-3012 (22L)	M/MLF-NTM-3012 (22L)
	1"	M/MLF-BPM-3016 (22L)	-
28L	3/4"	M/MLF-BPM-3612 (28L)	-
	1"	M/MLF-BPM-3616 (28L)	M/MLF-NTM-3616 (28L)
35L	1"	M/MLF-BPM-4516 (35L)	-
	1.1/4"	M/MLF-BPM-4520 (35L)	M/MLF-NTM-4520 (35L)
	1.1/2"	M/MLF-BPM-4524 (35L)	-
42L	1.1/2"	M/MLF-BPM-5224 (42L)	M/MLF-NTM-5224 (42L)

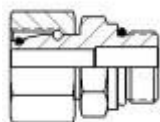
SIZE MET FEM	SIZE THR MALE	HEAVY x BSPP	HEAVY x NPT
6S	1/8"	M/MHF-BPM-1402 (6S)	
	1/4"	M/MHF-BPM-1404 (6S)	M/MHF-NTM-1404 (6S)
8S	1/4"	M/MHF-BPM-1604 (8S)	M/MHF-NTM-1604 (8S)
	3/8"	M/MHF-BPM-1606 (8S)	-
10S	1/4"	M/MHF-BPM-1804 (10S)	-
	3/8"	M/MHF-BPM-1806 (10S)	M/MHF-NTM-1806 (10S)
	1/2"	M/MHF-BPM-1808 (10S)	-
12S	1/4"	M/MHF-BPM-2004 (12S)	-
	3/8"	M/MHF-BPM-2006 (12S)	M/MHF-NTM-2006 (12S)
	1/2"	M/MHF-BPM-2008 (12S)	-

METRIC ADAPTORS

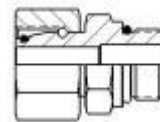
FEMALE METRIC COMPRESSION x MALE BSP & NPT ADAPTORS CONT...

SIZE MET FEM	SIZE THR MALE	HEAVY x BSPP	HEAVY x NPT
14S	3/8"	M/MHF-BPM-2206 (14S)	-
	1/2"	M/MHF-BPM-2208 (14S)	M/MHF-NTM-2208 (14S)
16S	3/8"	M/MHF-BPM-2406 (16S)	-
	1/2"	M/MHF-BPM-2408 (16S)	M/MHF-NTM-2408 (16S)
20S	1/2"	M/MHF-BPM-3008 (20S)	-
	3/4"	M/MHF-BPM-3012 (20S)	M/MHF-NTM-3012 (20S)
	1"	M/MHF-BPM-3016 (20S)	-
25S	3/4"	M/MHF-BPM-3612 (25S)	-
	1"	M/MHF-BPM-3616 (25S)	M/MHF-NTM-3616 (25S)
	1.1/4"	M/MHF-BPM-3620 (25S)	
30S	1"	M/MHF-BPM-4216 (30S)	-
	1.1/4"	M/MHF-BPM-4220 (30S)	M/MHF-NTM-4220 (30S)
	1.1/2"	M/MHF-BPM-4224 (30S)	
38S	1.1/4"	M/MHF-BPM-5220 (38S)	-
	1.1/2"	M/MHF-BPM-5224 (38S)	M/MHF-NTM-5224 (38S)

FEMALE METRIC COMPRESSION x MALE UNO THREAD ADAPTORS



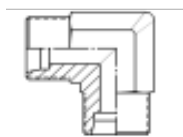
SIZE MET FEM	SIZE UNO MALE	LIGHT x UNO
6L	7/16"	M/MLF-UNM-1207 (6L)
8L	7/16"	M/MLF-UNM-1407 (8L)
10L	9/16"	M/MLF-UNM-1609 (10L)
12L	7/8"	M/MLF-UNM-1814 (12L)
15L	7/8"	M/MLF-UNM-2214 (15L)
18L	7/8"	M/MLF-UNM-2614 (18L)
22L	1.1/16"	M/MLF-UNM-3017 (22L)
28L	1.5/16"	M/MLF-UNM-3621 (28L)
35L	1.5/8"	M/MLF-UNM-4526 (35L)
42L	1.7/8"	M/MLF-UNM-5230 (42L)



SIZE MET FEM	SIZE UNO MALE	HEAVY x UNO
6S	7/16"	M/MHM-UNM-1407 (6S)
8S	7/16"	M/MHM-UNM-1609 (8S)
10S	9/16"	M/MHM-UNM-1809 (10S)
12S	7/8"	M/MHM-UNM-2012 (12S)
14S	7/8"	M/MHM-UNM-2212 (14S)
16S	7/8"	M/MHM-UNM-2414 (16S)
20S	1.1/16"	M/MHM-UNM-3017 (20S)
25S	1.5/16"	M/MHM-UNM-3621 (25S)
30S	1"	M/MHM-UNM-4226 (30S)
38S	1.7/8"	M/MHM-UNM-5230 (38S)

METRIC ADAPTORS

MALE METRIC COMPRESSION x MALE METRIC COMPRESSION ELBOWS



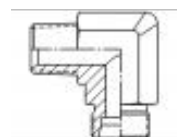
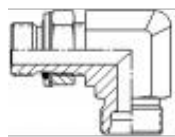
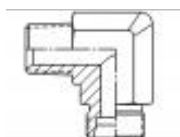
SIZE MET	SIZE MET	EXTRA LIGHT x EXTRA LIGHT
4LL	4LL	M/MLLM-MLM-90C-0808 (4LL)
6LL	6LL	M/MLLM-MLM-90C-1010 (6LL)
8LL	8LL	M/MLLM-MLM-90C-1212 (8LL)

SIZE MET	SIZE MET	LIGHT x LIGHT
6L	6L	M/MLM-MLM-90C-1212 (6L)
8L	8L	M/MLM-MLM-90C-1414 (8L)
10L	10L	M/MLM-MLM-90C-1616 (10L)
12L	12L	M/MLM-MLM-90C-1818 (12L)
15L	15L	M/MLM-MLM-90C-2222 (15L)
18L	18L	M/MLM-MLM-90C-2626 (18L)

SIZE MET	SIZE MET	LIGHT x LIGHT
22L	22L	M/MLM-MLM-90C-3030 (22L)
28L	28L	M/MLM-MLM-90C-3636 (28L)
35L	35L	M/MLM-MLM-90C-4545 (35L)
42L	42L	M/MLM-MLM-90C-5252 (42L)

SIZE MET	SIZE MET	HEAVY x HEAVY
6S	6S	M/MHM-MHM-90C-1414 (6S)
8S	8S	M/MHM-MHM-90C-1616 (8S)
10S	10S	M/MHM-MHM-90C-1818 (10S)
12S	12S	M/MHM-MHM-90C-2020 (12S)
14S	14S	M/MHM-MHM-90C-2222 (14S)
16S	16S	M/MHM-MHM-90C-2424 (16S)
20S	20S	M/MHM-MHM-90C-3030 (20S)
25S	25S	M/MHM-MHM-90C-3636 (25S)
30S	30S	M/MHM-MHM-90C-4242 (30S)

MALE METRIC COMPRESSION x MALE BSP & NPT THREAD ELBOW



SIZE MET	SIZE THR	EXTRA LIGHT x BSPT	EXTRA LIGHT x BSPP	EXTRA LIGHT x NPT
4LL	1/8"	M/MLLM-BTM-90C-0802 (4LL)	-	-
6LL	1/8"	M/MLLM-BTM-90C-1002 (6LL)	-	-
8LL	1/8"	M/MLLM-BTM-90C-1202 (8LL)	-	-

SIZE MET	SIZE THR	LIGHT x BSPT	LIGHT x BSPP	LIGHT x NPT
6L	1/8"	M/MLM-BTM-90C-1202 (6L)	M/MLM-BPM-90C-1202 (6L)	M/MLM-NTM-90C-1202 (6L)
	1/4"	M/MLM-BTM-90C-1204 (6L)	-	M/MLM-NTM-90C-1204 (6L)
8L	1/8"	M/MLM-BTM-90C-1402 (8L)	-	M/MLM-NTM-90C-1402 (8L)
	1/4"	M/MLM-BTM-90C-1404 (8L)	M/MLM-BPM-90C-1404 (8L)	M/MLM-NTM-90C-1404 (8L)
	3/8"	M/MLM-BTM-90C-1406 (8L)	-	M/MLM-NTM-90C-1406 (8L)
	1/2"	M/MLM-BTM-90C-1408 (8L)	-	-

METRIC ADAPTORS

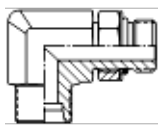
MALE METRIC COMPRESSION x MALE BSP & NPT THREAD ELBOWS CONT...

SIZE MET	SIZE THR	LIGHT x BSPT	LIGHT x BSPP	LIGHT x NPT
10L	1/8"	M/MLM-BTM-90C-1602 (10L)	-	M/MLM-NTM-90C-1602 (10L)
	1/4"	M/MLM-BTM-90C-1604 (10L)	M/MLM-BPM-90C-1604 (10L)	M/MLM-NTM-90C-1604 (10L)
	3/8"	M/MLM-BTM-90C-1606 (10L)	-	M/MLM-NTM-90C-1606 (10L)
	1/2"	M/MLM-BTM-90C-1608 (10L)	-	M/MLM-NTM-90C-1608 (10L)
12L	1/4"	M/MLM-BTM-90C-1804 (12L)	-	M/MLM-NTM-90C-1804 (12L)
	3/8"	M/MLM-BTM-90C-1806 (12L)	M/MLM-BPM-90C-1806 (12L)	M/MLM-NTM-90C-1806 (12L)
	1/2"	M/MLM-BTM-90C-1808 (12L)	-	M/MLM-NTM-90C-1808 (12L)
15L	3/8"	M/MLM-BTM-90C-2206 (15L)	-	M/MLM-NTM-90C-2206 (15L)
	1/2"	M/MLM-BTM-90C-2208 (15L)	M/MLM-BPM-90C-2208 (15L)	M/MLM-NTM-90C-2208 (15L)
18L	1/2"	M/MLM-BTM-90C-2608 (18L)	M/MLM-BPM-90C-2608 (18L)	M/MLM-NTM-90C-2608 (18L)
	3/4"	M/MLM-BTM-90C-2612 (18L)	-	M/MLM-NTM-90C-2612 (18L)
22L	3/4"	M/MLM-BTM-90C-3012 (22L)	M/MLM-BPM-90C-3012 (22L)	M/MLM-NTM-90C-3012 (22L)
28L	1"	M/MLM-BTM-90C-3616 (28L)	M/MLM-BPM-90C-3616 (28L)	M/MLM-NTM-90C-3616 (28L)
35L	1.1/4"	M/MLM-BTM-90C-4520 (35L)	M/MLM-BPM-90C-4520 (35L)	M/MLM-NTM-90C-4520 (35L)
42L	1.1/2"	M/MLM-BTM-90C-5224 (42L)	M/MLM-BPM-90C-5224 (42L)	M/MLM-NTM-90C-5224 (42L)

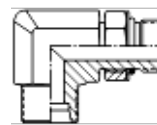
SIZE MET	SIZE THR	HEAVY x BSPT	HEAVY x BSPP	HEAVY x NPT
6S	1/4"	M/MHM-BTM-90C-1404 (6S)	M/MHM-BPM-90C-1404 (6S)	M/MHM-NTM-90C-1404 (6S)
8S	1/4"	M/MHM-BTM-90C-1604 (8S)	M/MHM-BPM-90C-1604 (8S)	M/MHM-NTM-90C-1604 (8S)
10S	3/8"	M/MHM-BTM-90C-1806 (10S)	M/MHM-BPM-90C-1806 (10S)	M/MHM-NTM-90C-1806 (10S)
12S	3/8"	M/MHM-BTM-90C-2006 (12S)	M/MHM-BPM-90C-2006 (12S)	M/MHM-NTM-90C-2006 (12S)
	1/2"	M/MHM-BTM-90C-2008 (12S)	-	M/MHM-NTM-90C-2008 (12S)
14S	3/8"	M/MHM-BTM-90C-2206 (14S)	-	M/MHM-NTM-90C-2206 (14S)
	1/2"	M/MHM-BTM-90C-2208 (14S)	M/MHM-BPM-90C-2208 (14S)	M/MHM-NTM-90C-2208 (14S)
16S	3/8"	M/MHM-BTM-90C-2406 (16S)	-	M/MHM-NTM-90C-2406 (16S)
	1/2"	M/MHM-BTM-90C-2408 (16S)	M/MHM-BPM-90C-2408 (16S)	M/MHM-NTM-90C-2408 (16S)
20S	1/2"	M/MHM-BTM-90C-3008 (20S)	-	M/MHM-NTM-90C-3008 (20S)
	3/4"	M/MHM-BTM-90C-3012 (20S)	M/MHM-BPM-90C-3012 (20S)	M/MHM-NTM-90C-3012 (20S)
25S	3/4"	M/MHM-BTM-90C-3612 (25S)	-	M/MHM-NTM-90C-3612 (25S)
	1"	M/MHM-BTM-90C-3616 (25S)	M/MHM-BPM-90C-3616 (25S)	M/MHM-NTM-90C-3616 (25S)
30S	1"	M/MHM-BTM-90C-4216 (30S)	-	M/MHM-NTM-90C-4216 (30S)
	1.1/4"	M/MHM-BTM-90C-4220 (30S)	M/MHM-BPM-90C-4220 (30S)	M/MHM-NTM-90C-4220 (30S)
38S	1.1/2"	M/MHM-BTM-90C-5224 (38S)	M/MHM-BPM-90C-5224 (38S)	M/MHM-NTM-90C-5224 (38S)

METRIC ADAPTORS

MALE METRIC COMPRESSION x MALE UNO THREAD ELBOWS

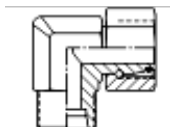


SIZE MET	SIZE UNO	LIGHT x UNO
6L	7/16"	M/MLM-UNM-90C-1207 (6L)
8L	7/16"	M/MLM-UNM-90C-1407 (8L)
10L	9/16"	M/MLM-UNM-90C-1609 (10L)
12L	3/4"	M/MLM-UNM-90C-1812 (12L)
15L	7/8"	M/MLM-UNM-90C-2214 (15L)
18L	7/8"	M/MLM-UNM-90C-2614 (18L)
22L	1.1/16"	M/MLM-UNM-90C-3017 (22L)
28L	1.5/16"	M/MLM-UNM-90C-3621 (28L)
35L	1.5/8"	M/MLM-UNM-90C-4526 (35L)
42L	1.7/8"	M/MLM-UNM-90C-5230 (42L)

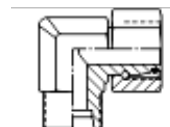


SIZE MET	SIZE UNO	HEAVY x UNO
6S	7/16"	M/MHM-UNM-90C-1407 (6S)
8S	9/16"	M/MHM-UNM-90C-1609 (8S)
10S	9/16"	M/MHM-UNM-90C-1809 (10S)
12S	3/4"	M/MHM-UNM-90C-2012 (12S)
14S	7/8"	M/MHM-UNM-90C-2214 (14S)
16S	7/8"	M/MHM-UNM-90C-2414 (16S)
20S	1.1/16"	M/MHM-UNM-90C-3017 (20S)
25S	1.5/16"	M/MHM-UNM-90C-3621 (25S)
30S	1.5/8"	M/MHM-UNM-90C-4226 (30S)
38S	1.7/8"	M/MHM-UNM-90C-5230 (38S)

MALE METRIC COMPRESSION x FEMALE METRIC ELBOWS



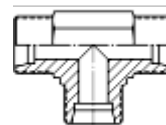
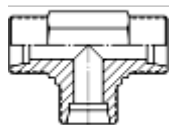
SIZE METRIC	LIGHT x LIGHT
6L	M/MLM-MLF-90C-1212 (6L)
8L	M/MLM-MLF-90C-1414 (8L)
10L	M/MLM-MLF-90C-1616 (10L)
12L	M/MLM-MLF-90C-1818 (12L)
15L	M/MLM-MLF-90C-2222 (15L)
18L	M/MLM-MLF-90C-2626 (18L)
22L	M/MLM-MLF-90C-3030 (22L)
28L	M/MLM-MLF-90C-3636 (28L)
35L	M/MLM-MLF-90C-4545 (35L)
42L	M/MLM-MLF-90C-5252 (42L)



SIZE METRIC	HEAVY x HEAVY
6S	M/MHM-MHF-90C-1414 (6S)
8S	M/MHM-MHF-90C-1616 (8S)
10S	M/MHM-MHF-90C-1818 (10S)
12S	M/MHM-MHF-90C-2020 (12S)
14S	M/MHM-MHF-90C-2222 (14S)
16S	M/MHM-MHF-90C-2424 (16S)
20S	M/MHM-MHF-90C-3030 (20S)
25S	M/MHM-MHF-90C-3636 (25S)
30S	M/MHM-MHF-90C-4242 (30S)
38S	M/MHM-MHF-90C-5252 (38S)

METRIC ADAPTORS

MALE METRIC COMPRESSION x MALE METRIC COMPRESSION TEES



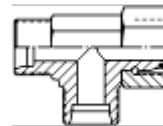
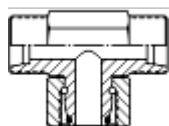
SIZE METRIC	EXTRA LIGHT x EXTRA LIGHT
4LL	M/MLLM-MLLM-MLLM-080808 (4LL)
6LL	M/MLLM-MLLM-MLLM-101010 (6LL)
8LL	M/MLLM-MLLM-MLLM-121212 (8LL)

SIZE METRIC	LIGHT x LIGHT
6L	M/MLM-MLM-MLM-121212 (6L)
8L	M/MLM-MLM-MLM-141414 (8L)
10L	M/MLM-MLM-MLM-161616 (10L)
12L	M/MLM-MLM-MLM-181818 (12L)
15L	M/MLM-MLM-MLM-222222 (15L)
18L	M/MLM-MLM-MLM-262626 (18L)
22L	M/MLM-MLM-MLM-303030 (22L)
28L	M/MLM-MLM-MLM-363636 (28L)
35L	M/MLM-MLM-MLM-454545 (35L)
42L	M/MLM-MLM-MLM-525252 (42L)

SIZE METRIC	HEAVY x HEAVY
6S	M/MHM-MHM-MHM-141414 (6S)
8S	M/MHM-MHM-MHM-161616 (8S)
10S	M/MHM-MHM-MHM-181818 (10S)
12S	M/MHM-MHM-MHM-202020 (12S)
14S	M/MHM-MHM-MHM-222222 (14S)
16S	M/MHM-MHM-MHM-242424 (16S)
20S	M/MHM-MHM-MHM-303030 (20S)
25S	M/MHM-MHM-MHM-363636 (25S)
30S	M/MHM-MHM-MHM-424242 (30S)
38S	M/MHM-MHM-MHM-525252 (38S)

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MALE METRIC COMPRESSION x FEMALE METRIC TEES



SIZE METRIC	LIGHT x LIGHT (BRANCH TEE)	LIGHT x LIGHT (RUN TEE)
6L	M/MLM-MLM-MLF-121212 (6L)	M/MLM-MLF-MLM-121212 (6L)
8L	M/MLM-MLM-MLF-141414 (8L)	M/MLM-MLF-MLM-141414 (8L)
10L	M/MLM-MLM-MLF-161616 (10L)	M/MLM-MLF-MLM-161616 (10L)
12L	M/MLM-MLM-MLF-181818 (12L)	M/MLM-MLF-MLM-181818 (12L)
15L	M/MLM-MLM-MLF-222222 (15L)	M/MLM-MLF-MLM-222222 (15L)
18L	M/MLM-MLM-MLF-262626 (18L)	M/MLM-MLF-MLM-363636 (18L)
22L	M/MLM-MLM-MLF-303030 (22L)	M/MLM-MLF-MLM-303030 (22L)
28L	M/MLM-MLM-MLF-363636 (28L)	M/MLM-MLF-MLM-363636 (28L)
35L	M/MLM-MLM-MLF-454545 (35L)	M/MLM-MLF-MLM-454545 (35L)
42L	M/MLM-MLM-MLF-525252 (42L)	M/MLM-MLF-MLM-525252 (42L)

METRIC ADAPTORS

MALE METRIC COMPRESSION x FEMALE METRIC TEES CONT...

SIZE METRIC	HEAVY x HEAVY (BRANCH TEE)	HEAVY x HEAVY (RUN TEE)
6S	M/MHM-MHM-MHF-141414 (6S)	M/MHM-MHF-MHM-141414 (6S)
8S	M/MHM-MHM-MHF-161616 (8S)	M/MHM-MHF-MHM-161616 (8S)
10S	M/MHM-MHM-MHF-181818 (10S)	M/MHM-MHF-MHM-181818 (10S)
12S	M/MHM-MHM-MHF-202020 (12S)	M/MHM-MHF-MHM-202020 (12S)
14S	M/MHM-MHM-MHF-222222 (14S)	M/MHM-MHF-MHM-222222 (14S)
16S	M/MHM-MHM-MHF-242424 (16S)	M/MHM-MHF-MHM-242424 (16S)
20S	M/MHM-MHM-MHF-303030 (20S)	M/MHM-MHF-MHM-303030 (20S)
25S	M/MHM-MHM-MHF-363636 (25S)	M/MHM-MHF-MHM-363636 (25S)
30S	M/MHM-MHM-MHF-424242 (30S)	M/MHM-MHF-MHM-424242 (30S)
38S	M/MHM-MHM-MHF-525252 (38S)	M/MHM-MHF-MHM-525252 (38S)

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