



# METALOK

## DOUBLE FERRULE COMPRESSION TUBE FITTINGS



Dimensions are for reference only and subject to change without notice.

### Warning for Your Safety

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The secret of our success is our engineering expertise, product accuracy, consistency, timely delivery and prompt communications



### ABOUT US

METALOK INDUSTRIES is a fast growing manufacturing company of repute having more than 3 decades of experience and expertise in manufacturing and marketing high quality Fittings and Valves suitable for Instrumentation, Hydraulic and Precise Industrial applications, for Industries like Automobile, Chemical, Petrochemical, Oil & Gas, Nuclear, Power Plant, Pharmaceutical, Marine, Packaging, Printing and Aerospace Industries.

### COMPANY STRENGTH

We have our head office located in Mumbai and two manufacturing plants at Dahisar Mumbai, Maharashtra which spreads over 5000 total sq. ft. area. Both the plants are well-equipped with state-of-the-art infrastructure and world-class facilities combined with a dedicated team of more than 40 employees. It helps us to exceed quality norms as well as gain momentum every passing day.

# COMPRESSION TUBE FITTINGS



## PRINCIPLE

METALOK range of double ferrule fittings work on the proven principle of two ferrules swaging to the tube when tightened. As the nut is tightened the front ferrule swages on to the tube making a prominent leak-proof seal and the back ferrule makes a positive impression on the tube

## ABBREVIATION

OD1 = Tube OD	P = Female Thread Type	N = Imperial (Inch)
F =Hex across flat	P1 = Male Thread Type	MM = Metric (Millimeter)

SS = 316	SSL = 316L	S = 304
CS =Carbon Steel	B = Brass	AL = Al400
M= Monel	H= Hastelloy	

## APPLICATIONS

METALOK Fittings has been specifically designed for use on instrumentation, process and control systems, together with equipment employed in chemical, chromatography, petroleum, power generation and pulp & paper plants.

## MATERIAL CHOICE

METALOK Fittings are available in Stainless Steel, Brass, Steel, Monel, High Duty Bronze, Hastelloy C, Incoloy, Inconel 600. Straight fittings are machined from cold finished bar stock and shaped bodies are machined from close grain forgings. The raw materials used fully conform to the chemical requirements of one or more of the specifications listed.

## MATERIAL SPECIFICATION

Material	Barstock	Forging
Stainless Steel	BS970 316-S31	BS970 316-S31
	DIN 4401	DIN 4401
Brass	ASMESA182-316	ASMESA182-316
	BS2874CZ12 316-S31	BS970 316-S31
	ASTMA108	DIN 4401
	ASMESA182-316	ASMESA182-316

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## PRINCIPLE

TORQUE	tube fittings do not twist the tube during installation. The fitting design ensures that all make and remake loading is transmitted axially to the tube. Fitting make-up is eased due to a silver plating of the tube nut threads, which acts as an effective lubricant and prevents galling.
NO DISTORTION	In make-up, there is no undue force in an outward direction to distort the fitting body or ferrules to cause interference between the ferrules and the nut. This assures that the nut will back off for disassembly and permits a greater number of end remarks.
PERFECT SEALING	Positive, reliable connections with FAV fittings have been qualified with exhaustive tests and experience in the manufacture of quality tube fittings. Specific product features such as burnished cones for superior sealing and exacting manufacturing tolerances for consistent product quality, all contribute to the effective sealing of the FAV fittings in tests after repeated remakes. Vibration and Impulse tests range prove outstanding sealing capability and fatigue resistance.

## TEMPERATURE DE-RATING FACTORS

The allowable working pressure is determined by various temperatures. To determine the working pressure at the specific temperatures, multiply the working pressure at ambient temperature shown in table by the factor shown in table 1. Example: Tube SS316 1/2" O.D. x 0.065" at 700° F.  $5100\text{psix} 0.82 = 4182\text{psi}$ . Therefore 4182 psi is the maximum allowable working pressure of SS316 1/2" O.D. x 0.065" wall tubing

## TEMPERATURE DE-RATING FACTOR TABLE

Temp F(C)	Stainless Steel	C.Steel	Copper		
Temp F(C)	ASTM A269 304	ASTM 316	ASTM A179	Alloy B75	Alloy 400
100(37)	1	1	1	1	1
200 (93)	1	1	0.95	0.8	0.88
300(148)	1	1	0.9	0.78	0.82
400 (204)	0.93	0.96	0.86	0.5	0.79
500 (260)	0.87	0.9	0.82	0.13	0.79
600(315)	0.82	0.85	0.77		0.79
700 (370)	0.8	0.82	0.73		0.76
800 (426)	0.76	0.79	0.59		0.76
900 (480)	0.73	0.78			
1000(537)	0.69	0.76			
1200(649)	0.3	0.37			

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# COMPRESSION TUBE FITTINGS

## TUBING SELECTION GUIDELINES

RULES FOR EFFECTIVE IMPLEMENTATION	1. For leak-free sealing, the tubing surface is very important. The tubing must have a good surface free from scratches, draw mark, flat spots or dirt.
	2. In case of welded tubing, it should not have a visible poor bead on its outside diameter.
	3. Using like tubing and fitting material is essential for the same thermal compatibility and corrosion resistance. The tubing material should be compatible with the process fluid, temperature and environment
	4. Tubing must be softer than fitting material. When tubing and fittings are made of the same material, the metal tubing must be fully annealed.
	5. Tubing hardness must be selected according to the information in the table.
	6. Tubing with oval or out of roundness appearance may not fit into the fitting. Do not force the tubing into the fittings, it may damage the fitting sealing system of the nut, ferrules, or the body.
RULES FOR TUBE CUTTING	Use tube cutter for straight cutting of tubing and clean metal chips from both I.D. and O.D. of the tube with de-burring tool. Hacksaw can be used for cutting improper size by tube cutter and hacksaw blades should have at least 32 teeth per inch. Tubes should not be cut using gas cutter,
RULES ON TUBE BENDING	Proper tube bending practices ensure against potential leaks or hazards. 1) Bend prior to installing fittings. 2) Use tube bender, do not bend a tube placed in the fitting. 3) Do not bend close to fitting, allow a certain straight distance from fitting to the starting point of tube bend.

## TUBING TEMPERATURE RATINGS



















Tubing Material	Temperature Range
Stainless Steel 316	-321 ° F to 1200° F (-196°C to 649°C)
Carbon Steel	-65° F to 799° F (-53°C to 426°C)
Copper	-40°F to 400°F (-40°C to 205°C)
Alloy 400	-324°F to 800°F (-198°C to 427°C)
Alloy C276	-320°F to 1000°F (-195°C to 537°C)
Alloy 600	-205°F to 1200°F (-130°C to 648°C)
Titanium	-320°F to 600°F (-195°C to 315°C)
Teflon	0°F to 150°F (-17°C to 65°C)

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1	1	2
<b>FRONT FERRULE (Tube OD )</b>	<b>BACK FERRULE (Tube OD )</b>	<b>NUT (Tube OD)</b>
		
2	3	4
<b>TUBE INSERT (Tube OD X Tube OD)</b>	<b>UNION (OD Tube Imperial)</b>	<b>REDUCING UNION (OD Tube Imperial)</b>
		
5	6	7
<b>UNION ELBOW (OD Tube Imperial)</b>	<b>UNION TEE (OD Tube Imperial)</b>	<b>UNION CROSS (OD Tube Imperial)</b>
		
8	9	10
<b>MALE CONNECTOR NPT (OD Tube Imperial X NPT Male Pipe Thread)</b>	<b>MALE CONNECTOR NPT (OD Tube Imperial X NPT Male Pipe Thread)</b>	<b>MALE CONNECTOR BSP (TUBE OD METRIC X ISO parallel thread BSP)</b>
		
11	12	13
<b>MALE CONNECTOR BSP (Imperial Tube OD X ISO tapered thread BSP)</b>	<b>MALE CONNECTOR BSPT Imperial Tube OD X ISO tapered thread (BSPT)</b>	<b>MALE CONNECTOR SAE Imperial Tube OD X SAE/MS STRAIGHT THREAD BOSS</b>
		
13	14	14
<b>MALE CONNECTOR O SEAL O-SEAL NPT TAPERED THREAD</b>	<b>MALE CONNECTOR O Seal Male UNF Thread</b>	<b>WELD CONNECTOR Male Pipe</b>



15

**TUBE SOCKET WELD UNION**  
Tube OD Imperial X Weld



15

**MALE PIPE WELD ELBOW**  
Tube OD Imperial X Weld



15

**TUBE SOCKET WELD ELBOW**  
Tube OD Imperial X Weld



16

**MALE ELBOW**  
Tube OD Imperial X NPT Male



17

**MALE ELBOW BSP**  
Metric OD X BSP/R Thread



18

**MALE ELBOW NPT**  
Tube OD Metric X NPT M



19

**MALE RUN TEE**  
Tube OD X NPT Male



19

**MALE BRANCH TEE**  
Tube OD imperial X NPT Male



20

**FEMALE CONNECTOR**  
Tube OD Imperial X NPT Female



21

**FEMALE CONNECTOR**  
Tube OD Metric X NPT Female



22

**FEMALE CONNECTOR** Tube OD  
Metric to Female ISO/BSPT Thread



22

**FEMALE CONNECTOR** Tube OD  
Metric to Female ISO/BSPP Thread



23

**FEMALE ELBOW**  
Tube OD Imperial X Female NPT



24

**FEMALE RUN TEE**  
Tube OD Imperial X NPT Female



24

**FEMALE BRANCH TEE**  
Tube OD Imperial X NPT Female



25

**BULKHEAD UNION** Tube OD



25

**BULKHEAD REDUCER**  
Tube OD Imperial



26

**BULKHEAD MALE CONNECTOR**  
Tube OD X NPT Male



26

**BULKHEAD FEMALE CONNECTOR**  
Tube OD Imperial X NPT Female



27

**CAP - END OF TUBE** Tube OD



27

**PLUG - PLUGGING** Tube OD



28

**REDUCER**  
TUBE (INCH) TO STUB (INCH)



29

**REDUCER**  
TUBE (METRIC) TO STUB (METRIC)



30

**REDUCER**  
TUBE (METRIC) TO STUB (INCH)



30

**REDUCING PORT CONNECTOR**  
Tube OD



31

**PORTS CONNECTOR COMPRESSION**  
TUBE PORTS CONNECTOR (IMPERIAL)



31

**HOSE TO PORT CONNECTOR**  
for fractional tube



32

**TUBE TO AN ADAPTER**



32

**TUBE TO AN UNION**



32

**TUBE TO AN- BULKHEAD UNION**



33

**MALE ADAPTER**  
Tube OD Imperial to NPT Male



33

**MALE ADAPTER**  
Tube OD Metric to NPT Male



34

**FEMALE ADAPTER**  
Tube OD Imperial to NPT Female



35

**BULKHEAD LOCKNUT** Tube OD  
Imperial to Stub OD Imperial



35

**BULKHEAD LOCKNUT**  
Reducer SAE MS treaded






35

**BULKHEAD LOCKNUT**  
For fractional tube





		
36	36	36
<b>HOSE TO TUBE COMPRESSION</b> for fractional tube OD imperial	<b>HOSE TO TUBE ADAPTER</b> for fractional tube OD imperial	<b>HOSE TO MALE ADAPTER</b> for fractional tube OD Imperial

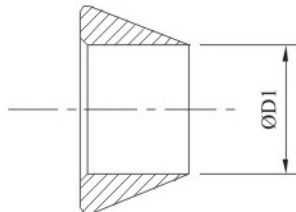
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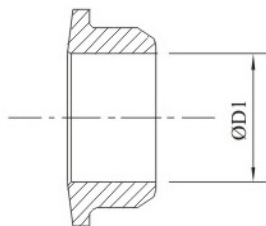
## FRONT FERRULE (Tube OD )



PART No.	OD1 Imperial
MICF/FF/1I	1/16 "
MICF/FF/2I	1/8 "
MICF/FF/3I	3/16 "
MICF/FF/4I	1/4 "
MICF/FF/5I	5/16 "
MICF/FF/6I	3/8 "
MICF/FF/8I	1/2 "
MICF/FF/10I	5/8 "
MICF/FF/12I	3/4 "
MICF/FF/14I	7/8 "
MICF/FF/16I	1
MICF/FF/20I	1-1/4 "
MICF/FF/24I	1-1/2 "
MICF/FF/32I	2

PART No.	OD1 Metric
MICF/FF/2M	2
MICF/FF/3M	3
MICF/FF/4M	4
MICF/FF/6M	6
MICF/FF/8M	8
MICF/FF/10M	10
MICF/FF/12M	12
MICF/FF/14M	14
MICF/FF/15M	15
MICF/FF/16M	16
MICF/FF/18M	18
MICF/FF/20M	20
MICF/FF/22M	22
MICF/FF/25M	25
MICF/FF/28M	28
MICF/FF/30M	30
MICF/FF/32M	32
MICF/FF/38M	38
MICF/FF/50M	50

## BACK FERRULE (Tube OD )



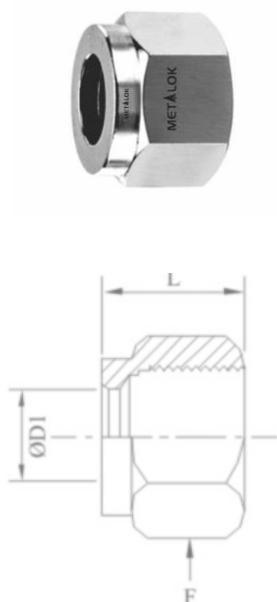
PART No.	OD1 Imperial
MI/BF/1I	1/16 "
MI/BF/2I	1/8 "
MICF/BF/3I	3/16 "
MICF/BF/4I	1/4 "
MICF/BF/5I	5/16 "
MICF/BF/6I	3/8 "
MICF/BF/8I	1/2 "
MICF/BF/10I	5/8 "
MICF/BF/12I	3/4 "
MICF/BF/14I	7/8 "
MICF/BF/16I	1
MICF/BF/20I	1-1/4 "
MICF/BF/24I	1-1/2 "
MICF/BF/32I	2

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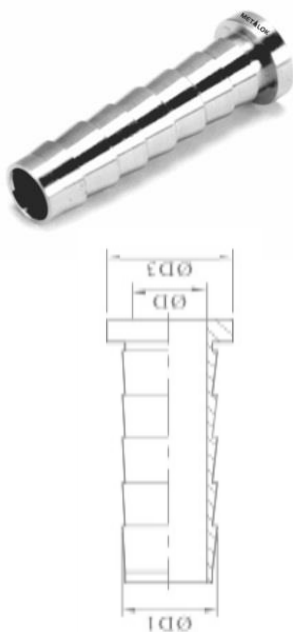
**NUT (Tube OD)**



IMPERIAL			
PART No.	OD1 Imperial	F Hex	L Inch
MICF/FN/1I	1/16 "	5/16 "	0.31
MICF/FN/2I	1/8 "	7/16 "	0.47
MICF/FN/3I	3/16 "	1/2 "	0.47
MICF/FN/4I	1/4 "	9/16 "	0.50
MICF/FN/5I	5/16 "	5/8 "	0.53
MICF/FN/6I	3/8 "	11/16 "	0.56
MICF/FN/8I	1/2 "	7/8 "	0.69
MICF/FN/10I	5/8 "	1	0.69
MICF/FN/12I	3/4 "	1-1/8 "	0.69
MICF/FN/14I	7/8 "	1-1/4 "	0.69
MICF/FN/16I	1	1-1/2 "	0.81
MICF/FN/20I	1-1/4 "	1-7/8 "	1.25
MICF/FN/24I	1-1/2 "	2-1/4 "	1.50
MICF/FN/32I	2	3	2.06

METRIC			
PART No.	OD1 Metric	F Hex	L mm
MICF/FN/2M	2	12	11.9
MICF/FN/3M	3	12	11.9
MICF/FN/4M	4	12	11.9
MICF/FN/6M	6	14	12.7
MICF/FN/8M	8	16	13.5
MICF/FN/10M	10	19	15.1
MICF/FN/12M	12	22	17.4
MICF/FN/14M	14	25	17.4
MICF/FN/15M	15	25	17.4
MICF/FN/16M	16	25	17.4
MICF/FN/18M	18	30	17.4
MICF/FN/20M	20	32	17.4
MICF/FN/22M	22	32	17.4
MICF/FN/25M	25	38	20.6
MICF/FN/28M	28	46	30.6
MICF/FN/30M	30	50	32.7
MICF/FN/32M	32	50	34.4
MICF/FN/38M	38	60	40.6
MICF/FN/50M	50	3 in	52.3

**TUBE INSERT (Tube OD X Tube OD)**



PART No.	IMPERIAL					
	OD3		OD 1 Tube		OD	
	inch	mm	inch	mm	inch	mm
MICF/TI/3I-2T	3/16 "	4.76	1/8 "	3.17	0.09	2.30
MICF/TI/4I-2T	1/4 "	6.35	1/8 "	3.17	0.09	2.30
MICF/TI/4I-0.17"	1/4 "	6.35	0.17	4.32	0.11	2.70
MICF/TI/4I-3T	1/4 "	6.35	3/16 "	4.76	0.12	3.10
MICF/TI/5I-2T	5/16 "	7.93	1/8 "	3.17	0.9	2.30
MICF/TI/5I-3T	5/16 "	7.93	3/16 "	4.76	0.12	3.00
MICF/TI/5I-4T	5/16 "	7.93	1/4 "	6.35	0.18	4.65
MICF/TI/6I-3T	3/8 "	9.52	3/16 "	4.76	0.12	3.10
MICF/TI/6I-4T	3/8 "	9.52	1/4 "	6.35	0.18	4.65
MICF/TI/8I-4T	1/2 "	12.70	1/4 "	6.35	0.18	4.65
MICF/TI/8I-6T	1/2 "	12.70	3/8 "	9.52	0.31	7.80
MICF/TI/10I-6T	5/8 "	15.87	3/8 "	9.52	0.31	7.80
MICF/TI/10I-8T	5/8 "	15.87	1/2 "	12.7	0.44	11.10
MICF/TI/12I-8T	3/4 "	19.05	1/2 "	12.7	0.44	11.10
MICF/TI/12I-10T	3/4 "	19.05	5/8 "	15.87	0.56	14.20
MICF/TI/16I-12T	1	25.4	3/4 "	19.05	0.59	17.50

Part No.	METRIC		
	OD3 Metric	OD1 Tube	OD
MICF/TI/6M-4M	6	4	2.8
MICF/TI/8M-6M	8	6	4.4
MICF/TI/10M-8M	10	8	6.4
MICF/TI/12M-8M	12	8	6.4
MICF/TI/12M-10M	12	10	8.3

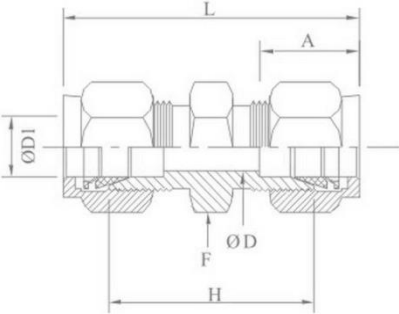
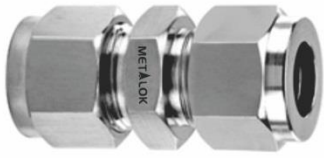
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**UNION (OD Tube Imperial)**



PART No.	OD1 Imperial	OD	F Hex	A Inch	L Inch	H mm
MICF/U/1 I	1/16 "	0.05	5/16 "	0.34	0.99	19.7
MICF/U/2 I	1/8 "	0.09	7/16 "	0.50	1.40	26.1
MICF/U/3 I	3/16 "	0.12	1/2 "	0.54	1.47	26.1
MICF/U/4 I	1/4 "	0.19	9/16 "	0.60	1.61	27.1
MICF/U/5 I	5/16 "	0.25	5/8 "	0.64	1.69	30.3
MICF/U/6 I	3/8 "	0.28	11/16 "	0.66	1.77	30.3
MICF/U/8 I	1/2 "	0.41	7/8 "	0.90	2.02	31.5
MICF/U/10 I	5/8 "	0.50	1	0.96	2.05	31.5
MICF/U/12 I	3/4 "	0.62	1-1/8 "	0.96	2.11	32.5
MICF/U/14 I	7/8 "	0.72	1-1/4 "	1.02	2.17	35.9
MICF/U/16 I	1	0.88	1-1/2 "	1.23	2.55	40.9
MICF/U/20 I	1-1/4 "	1.04	1-7/8 "	1.62	3.63	48.00
MICF/U/24 I	1-1/2 "	1.34	2-1/4 "	1.97	4.25	53.60
MICF/U/32 I	2	1.81	3	2.66	5.88	74.70

**UNION (OD Tube Metric)**

PART No.	OD1 Metric	OD	F Hex	A mm	L mm	H mm
MICF/U/2M	2	1.7	10	12.9	35.6	26.6
MICF/U/3M	3	2.4	10	12.9	35.3	26.6
MICF/U/4M	4	2.4	10	13.7	37.3	27.6
MICF/U/6M	6	4.8	13	41	41	27.6
MICF/U/8M	8	6.4	14	43.2	43.2	30.8
MICF/U/10M	10	7.9	17	46.2	46.2	31
MICF/U/12M	12	9.5	20.5	51.2	51.2	32
MICF/U/14M	14	11	24	52	52	32.8
MICF/U/15M	15	11.9	24	52	52.0	32.8
MICF/U/16M	16	12.7	24	52	52	32.8
MICF/U/18M	18	15.1	27	53.5	53.5	33.3
MICF/U/20M	20	15.9	30	55	55	35
MICF/U/22M	22	18.3	30	55	55	36.4
MICF/U/25M	25	21.8	35	65	65	41.4
MICF/U/28M	28	21.8	46	85	85	43.4
MICF/U/30M	30	26.2	50	92.7	92.7	43.4
MICF/U/32M	32	28.6	50	97.3	97.3	51.8
MICF/U/38M	38	33.7	60	113.6	113.6	58.4
MICF/U/50M	50	45.2	75	145.8	145.8	145.8

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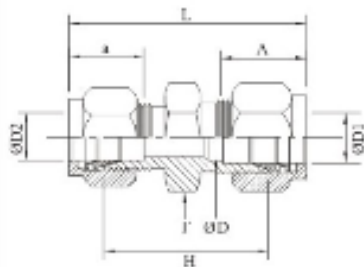
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## REDUCING UNION (OD Tube Imperial)



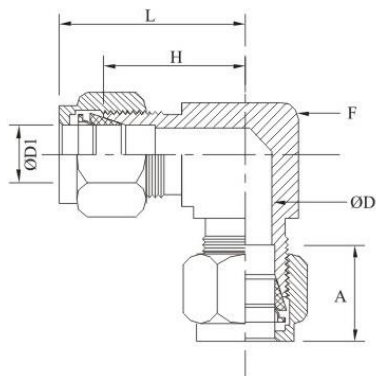
PART No.	OD1 mm	OD2 mm	OD mm	F Hex	A mm	a mm	L mm	H mm
MICF/RU/3-2M	3	2	1.7	12	12.9	12.9	35.3	22.1
MICF/RU/6-2M	6	2	1.7	14	15.3	12.9	38.6	24.6
MICF/RU/6-3M	6	3	2.4	14	15.3	12.9	38.6	24.6
MICF/RU/6-4M	6	4	2.4	14	15.3	13.7	39.4	25.4
MICF/RU/8-6M	8	6	4.8	16	16.2	15.3	42.3	27.4
MICF/RU/10-6M	10	6	4.8	19	17.2	15.3	44.5	29.5
MICF/RU/10-8M	10	8	6.4	19	17.2	16.2	45.1	30.0
MICF/RU/12-6M	12	6	4.8	22	22.8	15.3	47.0	29.5
MICF/RU/12-8M	12	8	6.4	22	22.8	16.2	47.8	30.2
MICF/RU/12-10M	12	10	7.9	22	22.8	17.2	48.7	31.0
MICF/RU/16-10M	16	10	7.9	25	24.4	17.2	45.9	31.8
MICF/RU/16-12M	16	12	9.5	25	24.4	22.8	52.0	31.8
MICF/RU/18-12M	18	12	9.5	30	24.4	22.8	53.5	33.3
MICF/RU/25-18M	25	18	15.1	38	31.3	24.4	61.0	38.6
MICF/RU/25-20M	25	20	15.9	38	31.3	26.0	62.3	39.9
MICF/RU/30-18M	30	18	15.1	50	39.6	24.4	75.4	43.4
MICF/RU/30-20M	30	20	15.9	50	39.6	26.4	75.4	43.4
MICF/RU/30-25M	30	25	21.8	50	39.6	31.3	80.1	43.4
MICF/RU/32-18M	32	18	15.1	50	42.0	24.4	77.8	51.8
MICF/RU/32-20M	32	20	15.9	50	42.0	26.0	75.4	51.8
MICF/RU/32-25M	32	28	21.8	50	42.0	31.3	80.1	51.8
MICF/RU/38-20M	38	20	15.9	60	49.4	26.0	87.5	58.4
MICF/RU/38-25M	38	25	21.8	60	49.4	31.3	72.0	58.4

## REDUCING UNION (OD Tube Metric)

PART No.	OD1 mm	OD2 mm	OD mm	F Hex	A mm	a mm
MICF/RU/3-2M	3	2	1.7	12	12.9	12.9
MICF/RU/6-2M	6	2	1.7	14	15.3	12.9
MICF/RU/6-3M	6	3	2.4	14	15.3	12.9
MICF/RU/6-4M	6	4	2.4	14	15.3	13.7
MICF/RU/8-6M	8	6	4.8	16	16.2	15.3
MICF/RU/10-6M	10	6	4.8	19	17.2	15.3
MICF/RU/10-8M	10	8	6.4	19	17.2	16.2
MICF/RU/12-6M	12	6	4.8	22	22.8	15.3
MICF/RU/12-8M	12	8	6.4	22	22.8	16.2
MICF/RU/12-10M	12	10	7.9	22	22.8	17.2
MICF/RU/16-10M	16	10	7.9	25	24.4	17.2
MICF/RU/16-12M	16	12	9.5	25	24.4	22.8
MICF/RU/18-12M	18	12	9.5	3	24.4	22.8
MICF/RU/25-18M	25	18	15.1	38	31.3	24.4
MICF/RU/25-20M	25	20	15.9	38	31.3	26
MICF/RU/30-18M	30	18	15.1	50	39.6	24.4
MICF/RU/30-20M	30	20	15.9	50	39.6	26
MICF/RU/30-25M	30	25	21.8	50	39.6	31.3
MICF/RU/32-18M	32	18	15.1	50	42	24.4
MICF/RU/32-20M	32	20	15.9	50	42	26



## UNION ELBOW (OD Tube Imperial)



PART No.	OD1 Imperial	OD	F Hex	A Inch	L Inch	H mm
MICF/UEE/1 I	1/16 "	0.05	5/16 "	0.34	0.99	19.7
MICF/UEE/2 I	1/8 "	0.09	7/16 "	0.50	1.40	26.1
MICF/UEE/3 I	3/16 "	0.12	7/16 "	0.54	1.47	26.1
MICF/UE/4 I	1/4 "	0.19	1/2 "	0.60	1.61	27.1
MICF/UE/5 I	5/16 "	0.25	9/16 "	0.64	1.69	30.3
MICF/UE/6 I	3/8 "	0.28	5/8 "	0.66	1.77	30.3
MICF/UE/8 I	1/2 "	0.41	13/16 "	0.90	2.02	31.5
MICF/UE/10 I	5/8 "	0.50	15/16 "	0.96	2.05	31.5
MICF/UE/12 I	3/4 "	0.62	1-1/16 "	0.96	2.11	32.5
MICF/UE/14 I	7/8 "	0.72	1-3/16 "	1.02	2.17	35.9
MICF/UE/16 I	1	0.88	1-3/8 "	1.23	2.55	40.9
MICF/UE/20 I	1-1/4 "	1.04	1-7/8 "	1.62	3.63	48.00
MICF/UE/24 I	1-1/2 "	1.34	2-1/4 "	1.97	4.25	53.60
MICF/UE/32 I	2	1.81	3	2.66	5.88	74.70

## UNION ELBOW (OD Tube Metric)

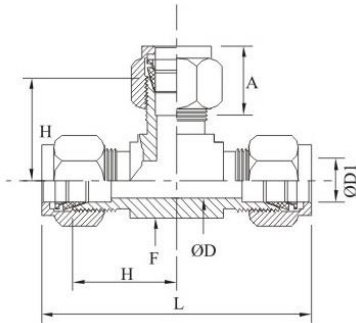
PART No.	OD1 Imperial	OD	F Hex	A Inch	L Inch	H mm
MICF/UE/1 I	1/16 "	0.05	5/16 "	0.34	0.99	19.7
MICF/UE/2 I	1/8 "	0.09	7/16 "	0.50	1.40	26.1
MICF/UE/3 I	3/16 "	0.12	7/16 "	0.54	1.47	26.1
MICF/UE/4 I	1/4 "	0.19	1/2 "	0.60	1.61	27.1
MICF/UE/5 I	5/16 "	0.25	9/16 "	0.64	1.69	30.3
MICF/UE/6 I	3/8 "	0.28	5/8 "	0.66	1.77	30.3
MICF/UE/8 I	1/2 "	0.41	13/16 "	0.90	2.02	31.5
MICF/UE/10 I	5/8 "	0.50	15/16 "	0.96	2.05	31.5
MICF/UE/12 I	3/4 "	0.62	1-1/16 "	0.96	2.11	32.5

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**UNION TEE (OD Tube Imperial)**



PART No.	OD1 Imperial	OD	F Hex	A Inch	L Inch	H mm
MICF/UT/1 I	1/16 "	0.05	1/2 "	0.34	1.4	14.00
MICF/UT/2 I	1/8 "	0.09	1/2 "	0.50	1.76	15.74
MICF/UT/3I	3/16 "	0.12	1/2 "	0.54	1.92	17.78
MICF/UT/4 I	1/4 "	0.19	1/2 "	0.60	2.12	19.55
MICF/UT/5 I	5/16 "	0.25	5/8 "	0.64	2.34	21.33
MICF/UT/6 I	3/8 "	0.28	5/8 "	0.66	2.40	23.11
MICFAJT/8 I	1/2 "	0.41	13/16 "	0.90	2.84	25.90
MICF/UT/10 I	5/8 "	0.50	1	0.96	3.06	28.70
MICF/UT/12 I	3/4 "	0.62	1-1/16 "	0.96	3.14	29.71
MICF/UT/14 I	7/8 "	0.72	1-1/4 "	1.02	3.52	34.54
MICF/UT/16 I	1	0.88	1-1/3 "	1.23	3.86	26.83
MICF/UT/20 I	1-1/4 "	1.04	1-11/16 "	1.62	5.34	44.50
MICF/UT/24 I	1-1/2 "	1.34	2	1.97	6.20	5.80
MICF/UT/32 I	2	1.81	2-2/3 "	2.66	8.44	69.80

**UNION TEE (OD Tube Metric)**

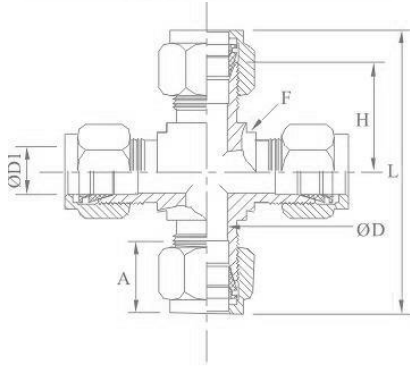
PART No.	OD1 Metric	OD	F Hex	A mm	L mm	H mm
MICF/UT/2M	2	1.7	9.5	12.9	44.7	15.7
MICF/UT/3M	3	2.4	9.5	12.9	44.7	15.7
MICF/UT/4M	4	2.4	12.7	13.7	50.8	18.8
MICF/UT/6M	6	4.8	12.7	15.3	53.9	19.6
MICF/UT/8M	8	6.4	14.2	16.2	59.7	21.3
MICF/UT/10M	10	7.9	17.5	17.2	63.0	23.9
MICF/UT/12M	12	9.5	20.6	22.8	72.0	25.9
MICF/UT/14M	14	11	25.44	24.4	77.6	28.7
MICF/UT/15M	15	11.9	25.44	24.4	77.6	28.7
MICF/UT/16M	16	12.7	25.44	24.4	77.6	28.7
MICF/UT/18M	18	15.1	26.98	24.4	79.6	29.7
MICF/UT/20M	20	15.9	30	26.0	89.3	32.5
MICF/UT/22M	22	18.3	30	26.0	89.3	32.5
MICF/UT/25M	25	21.8	36	31.3	98.3	36.8
MICF/UT/28M	28	21.8	42	36.6	128.0	43.2
MICF/UT/30M	30	26.2	46	39.0	139.7	43.2
MICF/UT/32M	32	28.6	46	42.0	144.6	49.3
MICF/UT/38M	38	33.7	55	49.4	168.0	56.4
MICF/UT/50M	50	45.2	68.85	65.0	211.3	69.80

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## UNION CROSS (OD Tube Imperial)



IMPERIAL						
PART No.	OD1 Imperial	OD	F Hex	A Inch	L Inch	H mm
MICF/UC/2 I	1/8 "	0.09	5/8 "	0.50	1.76	15.74
MICF/UC/4 I	1/4 "	0.19	5/8 "	0.80	2.12	19.55
MICF/UC/5 I	5/16 "	0.25	5/8 "	0.64	2.34	21.33
MICF/UC/6 I	3/8 "	0.28	11/16 "	0.66	2.40	23.11
MICF/UC/8 I	1/2 "	0.41	7/8 "	0.90	2.84	25.90
MICF/UC/12 I	3/4 "	0.62	1-1/6 "	0.96	3.14	29.71
MICF/UC/16 I	1	0.88	1-3/8 "	1.23	3.86	36.83

## UNION CROSS (OD Tube Metric)

METRIC						
PART No.	OD1 Metric	OD	F Hex	A mm	L mm	H mm
MICF/UC/3M	3	2.4	15	12.9	44.7	15.7
MICF/UC/6M	6	4.8	15	15.3	53.9	19.6
MICF/UC/8M	8	6.4	15	16.2	59.7	21.3
MICFAJC/10M	10	7.9	17.5	17.2	67.0	23.9
MICF/UC/12M	12	9.5	22	22.8	72.0	25.9
MICF/UC/16M	16	12.7	27	24.4	74.0	28.7
MICF/UC/18M	18	15.1	27	24.4	76.6	29.7
MICF/UC/20M	20	15.9	32	26.0	89.3	32.5
MICFAJC/25M	25	21.8	36	31.3	98.3	36.8

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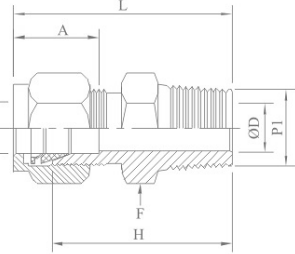
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## MALE CONNECTOR NPT (OD Tube Imperial X NPT Male Pipe Thread)



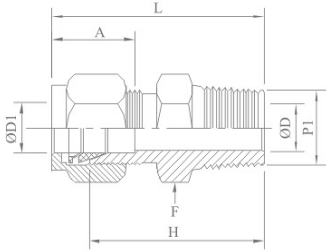
PART No.	IMPERIAL						
	OD1 Imperial	P1 NPTM	OD	F Hex	A inch	L inch	H mm
MICF/MC/1I-1T	1/16 "	1/16 "	0.5	5/16 "	0.34	0.94	20.00
MICF/MC/1I-2T	1/16 "	1/8 "	0.5	7/16 "	0.34	1.03	22.35
MICF/MC/1I-4T	1/16 "	1/4 "	0.5	9/16 "	0.34	1.22	27.17
MICF/MC/2I-1T	1/8 "	1/16 "	0.9	7/16 "	0.5	1.17	23.11
MICF/MC/2I-2T	1/8 "	1/8 "	0.9	7/16 "	0.5	1.20	23.87
MICF/MC/2I-4T	1/8 "	1/4 "	0.9	9/16 "	0.5	1.40	28.95
MICF/MC/2I-6T	1/8 "	3/8 "	0.9	11/16 "	0.5	1.41	29.21
MICF/MC/2I-8T	1/8 "	1/2 "	0.9	7/8 "	0.5	1.66	35.36
MICF/MC/3I-2T	3/16 "	1/8 "	0.12	7/16 "	0.54	7/16 "	24.63
MICF/MC/3I-4T	3/16 "	1/4 "	0.12	9/16 "	0.54	9/16 "	29.71
MICF/MC/4I-1T	1/4 "	1/16 "	0.12	1/2 "	0.60	1.29	25.40
MICF/MC/4I-2T	1/4 "	1/8 "	0.19	1/2 "	0.60	1.29	25.40
MICF/MC/4I-4T	1/4 "	1/4 "	0.19	9/16 "	0.60	1.49	30.48
MICF/MC/4I-6T	1/4 "	3/8 "	0.19	11/16 "	0.60	1.51	30.98
MICF/MC/4I-8T	1/4 "	1/2 "	0.19	7/8 "	0.60	1.76	37.33
MICF/MC/4I-12T	1/4 "	3/4 "	0.19	11/16 "	0.60	1.82	38.86
MICF/MC/5I-2T	5/16 "	1/8 "	0.19	9/16 "	0.64	1.34	26.67
MICF/MC/5I-4T	5/16 "	1/4 "	0.25	9/16 "	0.64	1.52	31.24
MICF/MC/5I-6T	5/16 "	3/8 "	0.25	11/16 "	0.64	1.54	31.75
MICF/MC/5I-8T	5/16 "	1/2 "	0.25	7/8 "	0.64	1.80	38.11
MICF/MC/6I-2T	3/8 "	1/8 "	0.19	5/8 "	0.66	1.39	27.94
MICF/MC/6I-4T	3/8 "	1/4 "	0.28	5/8 "	0.66	1.57	32.51
MICF/MC/6I-6T	3/8 "	3/8 "	0.28	11/16 "	0.66	1.57	32.51
MICF/MC/6I-8T	3/8 "	1/2 "	0.28	7/8 "	0.66	1.82	38.86
MICF/MC/6I-12T	3/8 "	3/4 "	0.28	11/16 "	0.66	1.88	40.38
MICF/MC/8I-2T	1/2 "	1/8 "	0.19	13/16 "	0.90	1.53	28.7
MICF/MC/8I-4T	1/2 "	1/4 "	0.28	13/16 "	0.90	1.71	33.27
MICF/MC/8I-6T	1/2 "	3/8 "	0.38	13/16 "	0.90	1.71	33.27
MICF/MC/8I-8T	1/2 "	1/2 "	0.41	7/8 "	0.90	1.93	38.86
MICF/MC/8I-12T	1/2 "	3/4 "	0.41	1-1/16 "	0.90	1.99	40.38
MICF/MC/8I-16T	1/2 "	1	0.41	1-3/8 "	0.90	2.25	46.99
MICF/MC/10I-6T	5/8 "	3/8 "	0.38	15/16 "	0.96	1.74	34.03
MICF/MC/10I-8T	5/8 "	1/2 "	0.47	15/16 "	0.96	1.93	38.86
MICF/MC/10I-12T	5/8 "	3/4 "	0.50	1-1/16 "	0.96	1.99	40.38
MICF/MC/12I-8T	3/4 "	1/2 "	0.47	1-1/16 "	0.96	1.99	40.38
MICF/MC/12I-12T	3/4 "	3/4 "	0.62	1-1/16 "	0.96	1.99	40.38
MICF/MC/12I-16T	3/4 "	1	0.62	1-3/8 "	0.96	2.25	46.99
MICF/MC/14I-12T	7/8 "	1/2 "	0.62	1-3/16 "	1.02	1.99	40.38
MICF/MC/12I-16T	7/8 "	3/4 "	0.72	1-3/8 "	1.02	2.25	46.99
MICF/MC/16I-8T	1	1/2 "	0.47	1-3/8 "	1.23	2.26	45.21
MICF/MC/16I-12T	1	3/4 "	0.62	1-3/8 "	1.23	2.26	45.21
MICF/MC/16I-16T	1	1	0.88	1-3/8 "	1.23	2.45	50.03
MICF/MC/20I-16T	1-1/4 "	1	0.88	1-3/4 "	1.62	3.04	55.11
MICF/MC/20I-20T	1-1/4 "	1-1/4 "	1.09	1-3/4 "	1.62	3.04	55.11
MICF/MC/24I-24T	1-1/2 "	1-1/4 "	1.34	2-1/8 "	1.97	3.5	61.72
MICF/MC/32I-32T	2	2	1.81	2-3/4 "	2.66	4.47	76.2

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## MALE CONNECTOR NPT (OD Tube Imperial X NPT Male Pipe Thread)



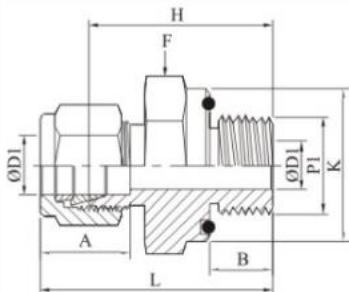
PART No.	METRIC						
	Metric OD	P1 NPTM	OD	F Hex	A mm	L mm	H mm
MICF/MC/2M-2T	2	1/8 "	1.7	11	12.9	30.5	23.9
MICF/MC/3M-2T	3	1/8 "	2.4	11	12.9	30.5	23.0
MICF/MC/3M-4T	3	1/4 "	2.4	14	12.9	35.6	29.0
MICF/MC/4M-2T	4	1/8 "	2.4	12	13.7	31.2	24.6
MICF/MC/4M-4T	4	1/4 "	2.4	14	13.7	36.3	29.7
MICF/MC/6M-2T	6	1/8 "	4.8	14	15.3	32.8	25.4
MICF/MC/6M-4T	6	1/4 "	4.8	14	15.3	37.4	30.2
MICF/MC/6M-6T	6	3/8 "	4.8	18	15.3	38.4	31.0
MICF/MC/6M-8T	6	1/2 "	4.8	22	15.3	44.7	37.3
MICF/MC/8M-2T	8	1/8 "	4.8	14	16.2	34.2	26.7
MICF/MC/8M-4T	8	1/4 "	6.4	14	16.2	38.7	31.2
MICF/MC/8M-6T	8	3/8 "	6.4	17	16.2	39.3	31.8
MICF/MC/8M-8T	8	1/2 "	6.4	22	16.2	45.6	37.3
MICF/MC/10M-2T	10	1/8 "	4.8	19	17.2	36.3	28.7
MICF/MC/10M-4T	10	1/4 "	7.1	19	17.2	40.9	33.3
MICF/MC/10M-6T	10	3/8 "	7.9	19	17.2	40.9	33.3
MICF/MC/10M-8T	10	1/2 "	7.9	22	17.2	46.5	38.1
MICF/MC/10M-12T	10	3/4 "	7.9	27	17.2	48	38.1
MICF/MC/12M-2T	12	1/8 "	4.8	22	22.8	38.8	33.3
MICF/MC/12M-4T	12	1/4 "	7.1	22	22.8	43.4	33.3
MICF/MC/12M-6T	12	3/8 "	9.5	22	22.8	43.4	38.1
MICF/MC/12M-8T	12	1/2 "	9.5	22	22.8	49.0	38.9
MICF/MC/12M-12T	12	3/4 "	9.5	27	22.8	50.5	38.9
MICF/MC/14M-4T	14	1/4 "	7.1	24	24.4	44.1	34.0
MICF/MC/14M-6T	14	3/8 "	9.5	24	24.4	44.1	34.0
MICF/MC/14M-8T	14	1/2 "	11.1	24	24.4	49.0	38.9
MICF/MC/15M-8T	15	1/2 "	11.9	24	24.4	49.0	38.9
MICF/MC/16M-6T	16	3/8 "	9.5	24	24.4	41.1	34
MICF/MC/16M-8T	16	1/2 "	11.9	24	24.4	49.0	38.9
MICF/MC/16M-12T	16	3/4 "	12.7	27	24.4	50.5	38.9
MICF/MC/18M-8T	18	1/2 "	11.9	27	24.4	50.5	40.4
MICF/MC/18M-12T	18	3/4 "	15.1	27	24.4	50.5	40.4
MICF/MC/20M-8T	20	1/2 "	11.9	30	26.0	52.3	42.2
MICF/MC/20M-12T	20	3/4 "	15.9	30	26.0	52.3	42.2
MICF/MC/22M-12T	22	3/4 "	15.9	30	26.0	52.3	42.2
MICF/MC/22M-16T	22	1	18.3	35	26.0	57.1	47.8
MICF/MC/25M-8T	25	1/2 "	11.9	35	31.3	57.5	45.2
MICF/MC/25M-12T	25	3/4 "	15.9	35	31.3	57.5	45.2
MICF/MC/25M-16T	25	1	21.8	35	31.3	62.3	50.0
MICF/MC/28M-16T	28	1	21.8	41	36.6	72.4	51.6
MICF/MC/28M-20T	28	1-1/4 "	21.8	46	36.6	73.1	52.3
MICF/MC/30M-20T	30	1-1/4 "	26.2	46	39.6	77.2	56.6
MICF/MC/32M-20T	32	1-1/4 "	28.6	46	42	79.6	56.6
MICF/MC/38M-24T	38	1-1/2 "	33.7	55	49.4	91.6	64.0

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## MALE CONNECTOR BSP (TUBE OD METRIC X ISO parallel thread BSP)



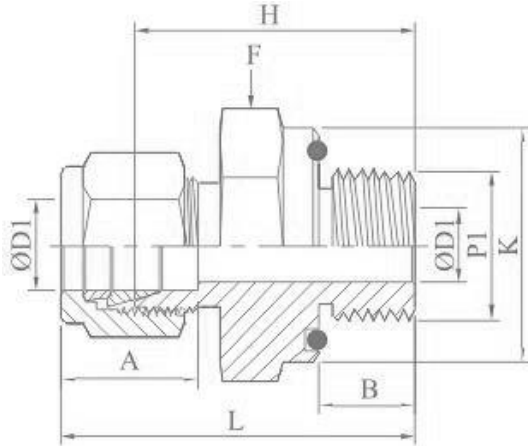
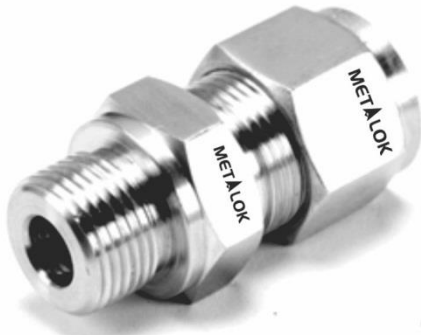
PART No.	METRIC								
	OD METRIC	P1 BSPPM	OD	K	F Hex	H	B	L	A
MICF/MC/1P/2M-2T	2	G-1/8	1.7	13.8	14	23.4	7.1	30,0	12.9
MICF/MC/1P/3M-2T	3	G-1/8	2.4	13.8	14	23.4	7.1	30,0	12.9
MICF/MC/1P/3M-4T	3	G-1/4	2.4	18.0	19	28.7	11.2	35.3	12.9
MICF/MC/1P/4M-2T	4	G-1/8	2.4	13.8	14	24.1	7.1	30.7	13.7
MICF/MC/IP/6M-2T	6	G-1/8	4.0	13.8	14	24,9	7.1	24,9	15.3
MICF/MC/IP/6M-4T	6	G-1/4	4.8	18.0	19	30.2	11.2	37.6	15.3
MICF/MC/IP/6M-6T	6	G-3/8	4.8	21.8	22	31.5	11.2	38,9	15.3
MICF/MC/1P/6M-8T	6	G-1/2	4.8	26.0	27	37.3	14.2	44.7	15.3
MICF/MC/1P/8M-8T	8	G-1/8	4.0	13-8	15	25.7	7.1	33.2	16.2
MICF/MC/1P/8M-4T	8	G-1/4	6.4	13.8	19	31.0	11.2	38.5	16.2
MICF/MC/IP/8M-6T	8	G-3/8	6.4	21.8	22	32.3	11.2	39,8	16.2
MICF/MC/IP/8M-8T	8	G-1/2	6.4	26.0	27	38.1	14.2	45.6	16.2
MICF/MG/IP/10M-4T	10	G-1/4	5.9	18.0	19	31.8	11.2	39.4	17.2
MICF/MC/1P/10M-6T	10	G-3/8	7.9	21.8	22	33.0	11.2	40.6	17.2
MICF/MC/1P/10M-8T	10	G-1/2	7.9	26.0	27	38.9	14.2	46.5	17.2
MICF/MC/IP/12M-4T	12	G-1/4	5.9	18.0	22	32.5	11.2	42.6	22.8
MICF/MC/IP/12M-6T	12	G-3/8	7.9	21.8	22	33.0	11.2	43.1	22.8
MICF/MC/IP/12M-8T	12	G-1/2	9.5	26.0	27	38.9	14.2	49.0	22.8
MICF/MC/1P/12M-12T	12	G-3/4	9.5	32.0	35	42.7	15.7	52.8	22.8
MICF/MC/1P/16M-6T	16	G-3/8	7.9	21.8	24	33.8	11.2	43.9	24.4
MICF/MC/1P/16M-8T	16	G-1/2	11.9	26.0	27	38.9	14.2	49.0	24.4
MICF/MC/IP/18M-8T	18	G-1/2	11.9	26.0	27	38.9	14.2	49.0	24.4
MICF/MC/IP/18M-12T	18	G-3/4	15.1	32.0	35	42.7	15.7	52.8	24.4
MICF/MC/IP/20M-8T	20	G-1/2	11.9	26.0	30	40.4	14.2	50.5	26.0
MICF/MC/1P/20M-12T	20	G-3/4	15.9	32.0	35	42.7	15.7	52.8	26.0
MICF/MC/1P/22M-12T	22	G-3/4	15.9	32.0	35	42.7	15.7	52.8	26.0
MICF/MC/1P/22M-16T	22	G-1	18.3	39.0	41	45.2	18,3	55.3	26.0
MICF/MC/IP/25M-12T	25	G-3/4	15.9	32.0	35	45.2	15.7	57.5	31.3
MICF/MC/IP/25M-16T	25	G-1	19.8	39.0	41	47.8	18.3	60.1	31.3

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**MALE CONNECTOR BSP**  
**(Imperial Tube OD X ISO tapered thread BSP)**



P1										
PART No.	OD1 Imperial	BSPP M	OD	K	F Hex	H	B	L	A	
MICF/MC/IP/2I-2T	1/8 "	1/8 "	2.30	13.80	9/16 "	14.3	23.40	7.10	30.00	12.70
MICF/MC/IP/2I-4T	1/8 "	1/4 "	2.30	18.00	3/4 "	19.1	28.70	11.20	35.30	12.70
MICF/MC/IP/2I-6T	1/8 "	3/8 "	2.30	21.80	7/8 "	22.2	29.72	11.20	37.00	12.70
MICF/MC/IP/2I-8T	1/8 "	1/2 "	2.30	26.00	11/16 "	27	35.70	14.20	43.00	12.70
MICF/MC/IP/3I-2T	3/16 "	1/8 "	3.10	13.80	9/16 "	14.3	24.10	7.10	30.70	13.75
MICF/MC/IP/4I-2T	1/4 "	1/8 "	4.10	13.80	9/16 "	14.3	24.90	7.10	32.26	15.24
MICF/MC/IP/4I-4T	1/4 "	1/4 "	4.80	18.00	3/4 "	19.1	30.20	11.20	37.60	15.24
MICF/MC/IP/4I-6T	1/4 "	3/8 "	4.80	21.80	7/8 "	22.2	31.50	11.20	38.86	15.24
MICF/MC/IP/4I-8T	1/4 "	1/2 "	4.80	26.00	11/16 "	27.0	37.30	14.20	44.70	15.24
MICF/MC/IP/5I-4T	5/16 "	1/4 "	6.40	18.00	3/4 "	19.1	31.00	11.20	38.36	16.11
MICF/MC/IP/5I-6T	5/16 "	3/8 "	6.40	21.80	7/8 "	22.2	32.30	11.20	39.66	16.11
MICF/MC/IP/6I-4T	3/8 "	1/4 "	5.80	18.00	3/4 "	19.1	31.75	11.20	39.11	16.76
MICF/MC/IP/6I-6T	3/8 "	3/8 "	7.10	21.80	7/8 "	22.2	33.00	11.20	40.40	16.76
MICF/MC/IP/6I-8T	3/8 "	1/2 "	7.10	26.00	11/16 "	27.0	38.86	11.20	46.22	16.76
MICF/MC/IP/8I-4T	1/2 "	1/4 "	5.80	18.00	13/16 "	20.6	32.50	11.20	42.67	22.86
MICF/MC/IP/8I-6T	1/2 "	3/8 "	7.90	21.80	7/8 "	22.2	33.00	11.20	43.18	22.86
MICF/MC/IP/8I-8T	1/2 "	1/2 "	10.40	26.00	7/8 "	27.0	37.40	14.20	49.00	22.86
MICF/MC/IP/8I-12T	1/2 "	3/4 "	10.40	32.00	11/16 "	33.3	42.70	15.70	52.86	22.86
MICF/MC/IP/10I-6T	5/8 "	3/8 "	7.90	21.80	15/16 "	24.0	33.80	11.20	43.96	24.38
MICF/MC/IP/10I-8T	5/8 "	1/2 "	11.90	26.00	11/16 "	27.0	38.90	14.20	49.10	24.38
MICF/MC/IP/12I-8T	3/4 "	1/2 "	11.90	26.00	11/16 "	27.0	38.86	14.20	49.00	24.38
MICF/MC/IP/12I-12T	3/4 "	3/4 "	15.80	32.00	15/16 "	33.3	42.70	15.70	52.83	24.38
MICF/MC/IP/16I-8T	1	1/2 "	11.90	26.00	13/8 "	34.9	43.70	14.20	55.80	31.24
MICF/MC/IP/16I-12T	1	3/4 "	15.90	32.00	13/8 "	34.9	45.20	15.70	67.30	31.24
MICF/MC/IP/16I-16T	1	1	19.80	39.00	15/8 "	41.3	47.80	18.30	59.94	31.24

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**Warning for Your Safety**

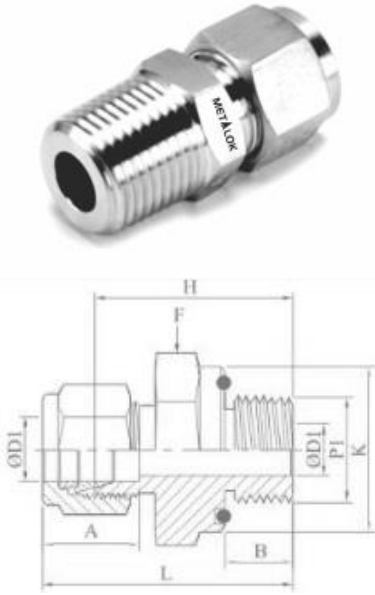
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## MALE CONNECTOR BSPT

Imperial Tube OD X ISO tapered thread (BSPT)

PART No.	IMPERIAL							A
	OD1 Imperial	P1 BSPTM	OD	F Hex	H	L		
MICF/MC/IT72I-2T	1/8 "	R-1/8	2.28	7/16 "	11.1	23.90	30.48	12.70
MICF/MC/IT/2I-4T	1/8 "	R-1/4	2.28	9/16 "	14.3	28.95	35.56	12.70
MICF/MC/IT/4I-2T	1/4 "	R-1/8	4.82	1/2 "	12.7	25.40	32.76	15.20
MICF/MC/IT/4I-4T	1/4 "	R-1/8	4.82	9/16 "	14.3	30.50	37.85	15.20
MICF/MC/IT/4I-6T	1/4 "	R-3/8	4.82	11/16 "	17.5	30.78	38.35	15.20
MICF/MC/IT/4I-8T	1/4 "	R-1/2	4.82	7/8 "	22.2	37.34	44.70	15.20
MICF/MC/IT/5I-2T	5/16 "	R-1/8	4.82	9/16 "	14.3	26.67	34.03	16,20
MICF/MC/IT/5I-4T	5/16 "	R-1/4	6.35	9/16 "	14.3	31.24	38.60	16,20
MICF/MC/IT/6I-2T	3/8 "	R-1/8	4.82	5/8 "	15.9	27.90	35.30	16.80
MICF/MC/IT/6I-4T	3/8 "	R-1/4	7.11	5/8 "	15.9	32.51	39.87	16.80
MICF/MC/IT/6I-6T	3/8 "	R-3/8	7.11	11/16 "	17.5	32.51	39.87	16.80
MICF/MC/IT/76I-8T	3/8 "	R-1/2	7.11	7/8 "	22.2	38.90	46.23	16.80
MICF/MC/IT/8I-4T	1/2 "	R-1/4	7.11	13/16 "	20.6	33,27	43.43	22.90
MICF/MC/IT/8I-6T	1/2 "	R-3/8	9.65	13/16 "	20.6	33,27	43.43	22.90
MICF/MC/IT/8I-8T	1/2 "	R-1/2	10,41	7/8 "	22.2	38.90	49.02	22.90
MICF/MC/IT/8I-12T	1/2 "	R-3/4	10.41	11/16 "	27.0	40.38	50.54	22.90
MICF/MC/IT/12I-12T	3/4 "	R-3/4	15,74	11/16 "	27.0	40.38	50.54	24.40
MICF/MC/IT716I-16T	1	R-1	22.35	13/8 "	34.9	50.03	62.23	31.20



## MALE CONNECTOR BSPT

Metric Tube OD X ISO tapered thread (BSPT)

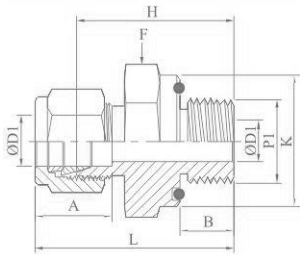
PART No.	METRIC							A
	OD1 Metric	P1 BSPTM	OD	F Hex	H	L		
MICF/MC/1T/2M-2T	2	R-1/8	1.7	12	23.9	30.5	12.9	
MICF/MC/1T/3M-2T	3	R-1/8	2.4	12	23.9	30.5	12.9	
MICF/MC/IT/3M-4T	3	R-1/4	2.4	14	29.0	35.6	12.9	
MICF/MC/IT/4M-2T	4	R-1/8	2.4	12	24.6	31.2	13.7	
MICF/MC/IT/4M-4T	4	R-1/4	2.4	14	29.7	36.3	13.7	
MICF/MC/1T/6M-2T	6	R-1/8	4.8	14	25.4	32.8	15.3	
MICF/MC/1T/6M-4T	6	R-1/4	4.8	14	30.5	37.9	15.3	
MICF/MC/1T/6M-6T	6	R-3/8	4.8	18	31.0	38.4	15.3	
MICF/MC/IT/6M-8T	6	R-1/2	4.8	22	37.3	44.7	15.3	
MICF/MC/IT/8M-2T	8	R-1/8	4.8	15	26.7	34.2	16.2	
MICF/MC/IT/8M-4T	8	R-1/4	6.4	15	31.2	38.7	16.2	
MICF/MC/1T/8M-6T	8	R-3/8	6.4	18	31.8	39.2	16.2	
MICF/MC/1T/8M-8T	8	R-1/2	6.4	22	38.1	45.6	16.2	
MICF/MC/1T/10M-2T	10	R-1/8	4.8	18	28.7	36.3	17.2	
MICF/MC/IT/10M-4T	10	R-1/4	7.9	18	33.3	40.9	17.2	
MICF/MC/IT/10M-6T	10	R-3/8	7.9	18	33.3	40.9	17.2	
MICF/MC/IT/10M-8T	10	R-1/2	7.9	22	38.9	46.5	17.2	
MICF/MC/1T/12M-4T	12	R-1/4	7.1	22	33.3	43.4	22.8	
MICF/MC/1T/12M-6T	12	R-3/8	9.5	22	33.3	43.4	22.8	
MICF/MC/1T/12M-8T	12	R-1/2	9.5	22	38.9	49.0	22.8	
MICF/MC/IT/12M-12T	12	R-3/4	9.5	27	40.4	50.5	22.8	
MICF/MC/T/15M-8T	15	R-1/2	11.9	24	38.9	49.0	24.4	
MICF/MC/1T/16M-4T	16	R-1/4	7.1	24	34.0	44.1	24.4	
MICF/MC/1T/16M-6T	16	R-3/8	9.5	24	34.0	44.1	24.4	
MICF/MC/1T/16M-8T	16	R-1/2	11.9	24	38.9	49.0	24.4	
MICF/MC/1T/16M-12T	16	R-3/4	12.7	27	40.4	50.5	24.4	
MICF/MC/IT/18M-8T	18	R-1/2	11.9	27	40.4	50.5	24.4	
MICF/MC/IT/18M-12T	18	R-3/4	15.1	27	40.4	50.5	24.4	
MICF/MC/IT/20M-8T	20	R-1/2	11.9	30	42.2	52.3	26.0	
MICF/MC/IT/20M-12T	20	R-3/4	15.9	30	42.2	52.3	26.0	
MICF/MC/1T/22M-12T	22	R-3/4	15.9	30	42.2	52.3	26.0	
MICF/MC/n722M-16T	22	R-1	18.3	35	47.0	57.1	26.0	
MICF/MC/IT/25M-12T	25	R-3/4	15.9	35	45.2	57.5	31.3	
MICF/MC/1T/25M-16T	25	R-1	21.8	35	50.0	62.3	31.3	





## MALE CONNECTOR SAE

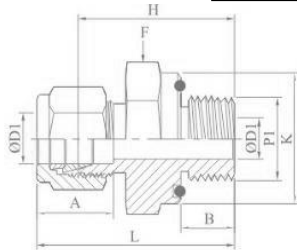
### Imperial Tube OD X SAE/MS STRAIGHT THREAD BOSS



PART NO.	IMPERIAL								
	OD1 Imperial	P1	OD	F HEX	H	B	L	A	
MICF/MC/SAEO/2I-5S-24	1/8 "	5/6 "-24	2.28	7/16 "	11.1	23.37	7.62	29.97	12.7
MICF/MC/SAEO/4I-7S-20	1/4 "	7/16 "-20	4.82	9/16 "	14.3	26.67	9.14	34.03	15.2
MICF/MC/SAEO/4I-9S-18	1/4 "	9/16 "-18	4.82	11/16 "	17.5	28.19	9.90	35.56	15.2
MICF/MC/SAEO/4I-12S-16	1/4 "	3/4 "-16	4.82	7/8 "	22.2	30.20	11.17	37.59	15.2
MICF/MC/SAEO/4I-14S-14	1/4 "	7/8 "-14	4.82	1	25.4	33.27	12.70	40.64	15.2
MICF/MC/SAEO/5I-8S-20	5/16 "	1/2 "-20	6.40	5/8 "	15.9	27.43	9.14	34.80	16.2
MICF/MC/SAEO/6I-7S-20	3/8 "	7/16 "-20	5.10	5/8 "	15.9	28.19	9.14	35.56	16.8
MICF/MC/SAEO/6I-9S-18	3/8 "	9/16 "-18	7.11	11/16 "	17.5	29.71	9.90	37.02	16.8
MICF/MC/SAEO/6I-12S-16	3/8 "	3/4 "-16	7.11	7/8 "	22.2	31.75	11.17	39.11	16.8
MICF/MC/SAEO/6I-14S-14	3/8 "	7/8 "-14	7.11	1	25.4	34.80	12.70	42.16	16.8
MICF/MC/SAEO/8I-9S-18	1/2 "	9/16 "-18	7.11	13/16 "	20.6	28.95	9.90	39.11	22.9
MICF/MC/SAEO/8I-12S-16	1/2 "	3/4 "-16	10.41	7/8 "	22.2	31.75	11.17	41.91	22.9
MICF/MC/SAEO/8I-14S-14	1/2 "	7/8 "-14	10.41	1	25.4	34.80	12.70	44.96	22.9
MICF/MC/SAEO/8I-17S-12	1/2 "	1-1/6 "-12	10.41	11/4 "	31.8	38.86	14.98	49.02	22.9
MICF/MC/SAEO/10I-12S-16	5/8 "	3/4 "-16	10.66	15/16 "	23.8	31.75	11.17	41.91	22.4
MICF/MC/SAEO/10I-14S-14	5/8 "	7/8 "-14	12.70	1	25.4	35.05	12.70	45.21	22.4
MICF/MC/SAEO/12I-12S-16	3/4 "	3/4 "-16	10.66	1-1/16 "	27.0	35.81	11.17	46.0	22.4
MICF/MC/SAEO/12I-17S-12	3/4 "	1-1/6 "-12	15.74	11/4 "	31.8	38.86	14.98	49.02	22.4
MICF/MC/SAEO/14I-19S-12	7/8 "	13/16 "-12	18.29	13/8 "	34.9	38.86	14.98	49.02	25.9
MICF/MC/SAEO/16I-17S-12	1	1-1/6 "-12	16.76	13/8 "	34.9	41.20	14.98	53.34	31.2
MICF/MC/SAEO/16I-21S-12	1	15/16 "-128	22.35	11/2 "	38.1	42.16	14.98	54.35	31.2

## MALE CONNECTOR O SEAL

### O-SEAL NPT TAPERED THREAD



PART No.	IMPERIAL									
	OD1 Imperial	P1-NPT Short	OD	K	F HEX	H	B	L	A	
MICF/MC/NO/2I-2T	1/8 "	1/8 "	2.28	18.79	3/4 "	19.1	26.16	7.11	32.76	12.70
MICF/MC/NO/4I-2T	1/4 "	1/8 "	4.82	18.79	3/4 "	19.1	27.70	7.11	35.05	15.24
MICF/MC/NO/4I-4T	1/4 "	1/4 "	4.82	23.62	15/16 "	23.8	31.00	9.65	38.40	15.24
MICF/MC/NO/6I-4T	3/8 "	1/4 "	7.11	23.62	15/16 "	23.8	32.51	9.65	39.88	16.76
MICF/MC/NO/6I-6T	3/8 "	3/8 "	7.11	28.45	1-1/8 "	28.6	34.04	10.41	41.40	16.76
MICF/MC/NO/6I-8T	3/8 "	1/2 "	7.11	33.02	1-5/16 "	33.3	39.62	13.46	46.99	16.76
MICF/MC/NO/8I-8T	1/2 "	1/2 "	10.41	33.02	1-5/16 "	33.3	39.62	13.46	49.78	22.86

Dimensions are for reference only and subject to change without notice.

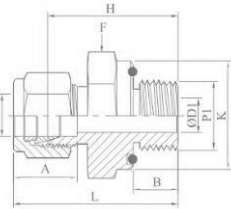
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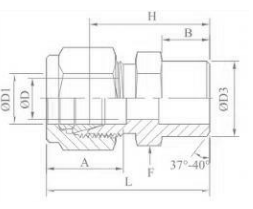
## MALE CONNECTOR

### O Seal Male UNF Thread



PART No.	IMPERIAL									
	OD1 Imperial	P1 T-UNF	OD	K	F HEX	H	B	L	A	
MICF/MC/UNO/11-5U-24	1/16 "	5/16 "-24	1.27	14.0	9/16 "	14.3	22.86	8.63	26.67	8.63
MICF/MC/UNO/21-5U-24	1/8 "	5/16 "-24	2.28	14.0	9/16 "	14.3	26.20	8.63	32.77	12.7
MICF/MC/UNO/31-6U-24	3/16 "	3/8 "-24	3.04	15.75	5/8 "	15.9	27.70	9.65	34.29	13.72
MICF/MC/UNO/41-7U-20	1/4 "	7/16 "-20	4.22	18.80	3/4 "	19.1	31.00	10.41	38.35	15.24
MICF/MC/UNO/51-6U-20	5/16 "	1/2 "-20	6.35	21.84	7/8 "	22.2	33.30	11.17	40.64	16.25
MICF/MC/UNO/61-9U-18	3/8 "	9/16 "-18	7.11	23.62	15/16 "	23.8	35.05	11.93	40.89	16.76
MICF/MC/UNO/81-12U-16	1/2 "	3/4 "-16	10.41	28.45	1-1/8 "	28.6	35.81	11.93	45.77	22.86
MICF/MC/UNO/121-17U-12	3/4 "	1-1/16 "12	15.74	37.85	1-1/2 "	38.1	42.20	14.22	52.32	24.38
MICF/MC/UNO/161-21U-12	1	1-5/16 "-12	22.35	44.20	1-3/4 "	44.5	45.97	14.22	58.17	31.24

## WELD CONNECTOR Male Pipe



PART No.	IMPERIAL									
	OD1 Imperial	OD3 Pipe Size	OD	F Hex	H	B	L	A		
MICF/MPWC/21-2W	1/8 "	1/8 "	10.30	2.28	7/16 "	11.1	23.88	9.65	30.48	12.70
MICF/MPWC/31-2W	3/16 "	1/8 "	10.30	3.04	7/16 "	11.1	24.60	9.65	31.25	13.72
MICF/MPWC/41-2W	1/4 "	1/8 "	10.30	4.82	1/2 "	12.7	25.40	9.65	32.77	15.24
MICF/MPWC/41-4W	1/4 "	1/4 "	13.70	4.82	9/16 "	14.3	30.22	14.22	37.59	15.24
MICF/MPWC/51-2W	5/16 "	1/8 "	10.30	5.08	9/16 "	14.3	26.67	9.65	34.04	16.25
MICF/MPWC/51-4W	5/16 "	1/4 "	13.70	6.35	9/16 "	14.3	31.24	14.22	38.61	16.25
MICF/MPWC/61-4W	3/8 "	1/4 "	13.70	7.11	5/8 "	15.9	32.51	14.22	39.87	16.76
MICF/MPWC/61-6W	3/8 "	3/8 "	17.10	7.11	11/16 "	17.5	32.51	14.22	39.87	16.76
MICF/MPWC/61-8W	3/8 "	1/2 "	21.34	7.11	7/8 "	22.2	38.86	19.05	46.22	16.76
MICF/MPWC/81-6W	1/2 "	3/8 "	17.10	10.41	13/16 "	20.6	33.27	14.22	44.43	22.86
MICF/MPWC/81-8W	1/2 "	1/2 "	21.34	10.41	7/8 "	22.2	38.86	19.05	49.00	22.86
MICF/MPWC/81-12W	1/2 "	3/4 "	26.67	10.41	1-1/16 "	27.0	40.40	19.05	50.55	22.86
MICF/MPWC/101-8W	5/8 "	1/2 "	21.34	12.70	15/16 "	23.8	38.86	19.05	49.02	24.38
MICF/MPWC/121-12W	3/4 "	3/4 "	26.67	15.74	1-1/16 "	27.0	40.40	19.05	50.55	24.38
MICF/MPWC/161-16W	1	1	33.4	22.35	13/8 "	34.9	50.03	23.87	62.23	31.24

PART No.	METRIC								
	OD1 Imperial	OD3 Pipe Size	OD	F Hex	H	B	L	A	
MICF/MPWC/3M-2W	3	1/8 "	10.30	2.4	12	23.1	9.7	30.5	12.9
MICF/MPWC/4M-2W	4	1/8 "	10.30	2.4	12	24.1	9.7	31.2	13.7
MICF/MPWC/6M-2W	6	1/8 "	10.30	4.8	14	25.4	9.7	32.8	15.3
MICF/MPWC/6M-4W	6	1/4 "	13.70	4.8	14	30.2	14.2	37.9	15.3
MICF/MPWC/8M-2W	8	1/8 "	10.30	5.1	15	26.7	9.7	34.2	16.2
MICF/MPWC/8M-4W	8	1/4 "	13.70	6.4	15	31.2	14.2	38.7	16.2
MICF/MPWC/8M-8W	8	1/2 "	21.34	6.4	22	37.3	19.0	45.6	16.2
MICF/MPWC/10M-4W	10	1/4 "	13.70	7.1	18	33.3	14.2	40.9	17.2
MICF/MPWC/10M-6W	10	3/8 "	17.10	7.9	18	32.5	14.2	40.9	17.2
MICF/MPWC/10M-8W	10	1/2 "	21.34	7.9	2	38.1	19.0	46.5	17.2
MICF/MPWC/12M-4W	12	1/4 "	13.70	7.1	22	33.3	14.2	43.4	22.8
MICF/MPWC/12M-6W	12	3/8 "	17.10	9.5	22	33.3	14.2	43.4	22.8
MICF/MPWC/12M-8W	12	1/2 "	21.34	9.5	22	38.1	19.0	49.0	22.8
MICF/MPWC/15M-8W	15	1/2 "	21.34	11.9	24	38.9	19.0	49.0	24.4
MICF/MPWC/16M-8W	16	1/2 "	21.34	12.7	24	38.9	19.0	49.0	24.4
MICF/MPWC/18M-8W	18	1/2 "	21.34	13.5	27	40.4	19.0	50.5	24.4

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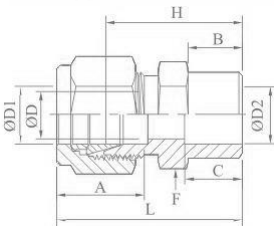
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## TUBE SOCKET WELD UNION

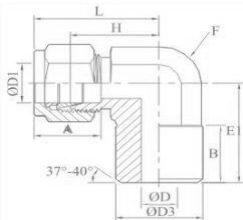
Tube OD Imperial X Weld



IMPERIAL										
PART No.	OD1 Imperial	OD	OD2	F Hex	H	B	L	C	A	
MICF/TSWU/2I-2W	1/8 "	2.28	7.87	7/16 "	11.1	22.35	8.64	28.96	6.35	12.70
MICF/TSWU/4I-4W	1/4 "	4.80	11.18	1/2 "	12.7	26.16	10.41	33.54	7.90	15.20
MICF/TSWU/6I-6W	3/8 "	7.10	15.75	5/8 "	15.9	30.23	11.94	37.60	9.65	16.80
MICF/TSWU/8I-8W	1/2 "	10.40	19.05	13/16 "	20.6	31.00	11.94	41.15	12.70	22.90
MICF/TSWU/12I-12W	3/4 "	15.80	26.67	1-1/16 "	27.0	33.28	11.94	43.43	14.20	24.40
MICF/TSWU/16I-16W	1	22.35	33.27	13/8 "	34.9	40.40	14.22	52.58	19.05	31.20

## MALE PIPE WELD ELBOW

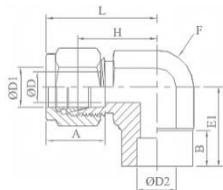
Tube OD Imperial X Weld



IMPERIAL											
PART No.	OD1 Tube	OD3 Pipe Size	OD	F HEX	H	B	L	E1	A		
MICF/MPWE/4I-2W	1/4 "	1/8 "	10.30	4.82	1/2 "	12.7	19.56	7.65	26.92	18.80	15.24
MICF/MPWE/4I-4W	1/4 "	1/4 "	13.70	4.82	1/2 "	12.7	19.56	14.22	26.92	23.37	15.24
MICF/MPWE/6I-4W	3/8 "	1/4 "	13.70	7.11	5/8 "	15.9	23.11	14.22	30.48	25.40	16.76
MICF/MPWE/8I-8W	1/2 "	1/2 "	21.34	10.41	13/16 "	20.6	25.90	19.05	36.06	33.02	22.86
MICF/MPWE/12I-12W	3/4 "	3/4 "	26.67	15.75	1-1/8 "	28.6	29.72	19.05	39.88	36.83	24.38

## TUBE SOCKET WELD ELBOW

Tube OD Imperial X Weld



IMPERIAL										
PART No.	OD1 Imperial	OD2	OD	F Hex	H	L	E1	B	A	
MICF/TSWE/4I-4W	1/4 "	1/4 "	4.82	1/2 "	12.7	19.60	26.98	19.60	7.87	15.24
MICF/TSWE/6I-6W	3/8 "	3/8 "	7.11	5/8 "	15.9	23.11	30.98	23.11	9.65	16.76
MICF/TSWE/8I-8W	1/2 "	1/2 "	10.41	13/16 "	20.6	25.90	36.06	25.90	12.70	22.86

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### Warning for Your Safety

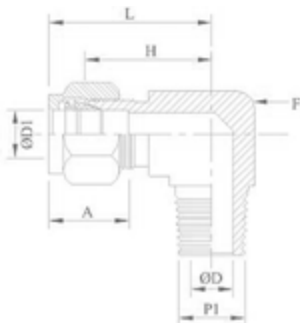
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## MALE ELBOW

Tube OD Imperial X NPT Male



IMPERIAL							
PART No.	OD1 Imperial	P1 NPTM	OD	F Hex	A Inch	L Inch	H mm
MICF/ME/1I-1T	1/16 "	1/16 "	0.05	9/16 "	0.34	0.75	15.24
MICF/ME/1I-2T	1/16 "	1/8 "	0.05	9/16 "	0.34	0.75	15.24
MICF/ME/2I-1T	1/8 "	1/16 "	0.09	9/16 "	0.50	0.93	18.30
MICF/ME/2I-2T	1/8 "	1/8 "	0.09	9/16 "	0.50	0.93	18.30
MICF/ME/2I-4T	1/8 "	1/4 "	0.09	9/16 "	0.54	0.97	18.30
MICF/ME/3I-2T	3/16 "	1/8 "	0.12	9/16 "	0.54	1.00	18.79
MICF/ME/3I-4T	3/16 "	1/4 "	0.12	9/16 "	0.60	1.00	18.79
MICF/ME/4I-1T	1/4 "	1/16 "	0.12	9/16 "	0.60	1.06	19.55
MICF/ME/4I-2T	1/4 "	1/8 "	0.19	9/16 "	0.60	1.06	19.10
MICF/ME/4I-4T	1/4 "	1/4 "	0.19	9/16 "	0.60	1.06	19.81
MICF/ME/4I-6T	1/4 "	3/8 "	0.19	11/16 "	0.60	1.17	22.35
MICF/ME/4I-8T	1/4 "	1/2 "	0.19	13/16 "	0.64	1.25	24.6
MICF/ME/5I-2T	5/16 "	1/8 "	0.19	9/16 "	0.64	1.13	21.33
MICF/ME/5I-4T	5/16 "	1/4 "	0.25	9/16 "	0.64	1.13	21.33
MICF/ME/5I-6T	5/16 "	3/8 "	0.25	11/16 "	0.66	1.20	23.11
MICF/ME/6I-2T	3/8 "	1/8 "	0.19	5/8 "	0.66	1.20	23.11
MICF/ME/6I-4T	3/8 "	1/4 "	0.28	5/8 "	0.66	1.20	23.11
MICF/ME/6I-6T	3/8 "	3/8 "	0.28	11/16 "	0.66	1.23	23.87
MICF/ME/6I-8T	3/8 "	1/2 "	0.28	13/16 "	0.66	1.31	25.90
MICF/ME/6I-12T	3/8 "	3/4 "	0.28	1-1/16 "	0.90	1.46	29.71
MICF/ME/8I-4T	1/2 "	1/4 "	0.28	13/16 "	0.90	1.42	25.90
MICF/ME/8I-6T	1/2 "	3/8 "	0.38	13/16 "	0.90	1.42	25.90
MICF/ME/8I-8T	1/2 "	1/2 "	0.41	13/16 "	0.90	1.42	25.90
MICF/ME/8I-12T	1/2 "	3/4 "	0.41	1-1/16 "	0.90	1.57	29.71
MICF/ME/10I-6T	5/8 "	3/8 "	0.38	15/16	0.96	1.50	28.00
MICF/ME/10I-8T	5/8 "	1/2 "	0.47	15/16	0.96	1.50	28.00
MICF/ME/10I-12T	5/8 "	3/4 "	0.50	1-1/16 "	0.96	1.57	29.71
MICF/ME/12I-8T	3/4 "	1/2 "	0.47	1-1/16 "	0.96	1.57	29.71
MICF/ME/12I-12T	3/4 "	3/4 "	0.62	1-1/16 "	0.96	1.57	29.71
MICF/ME/14I-12T	7/8 "	3/4 "	0.62	1-3/8 "	1.23	1.76	34.54
MICF/ME/16I-12T	1	3/4 "	0.62	1-3/8 "	1.23	1.93	36.83
MICF/ME/16I-16T	1	1	0.88	1-3/8 "	1.23	1.93	36.83
MICF/ME/20I-20T	1-1/4 "	1-1/4 "	1.09	1-1/16 "	1.62	2.67	44.50
MICF/ME/24I-24T	1-1/2 "	1-1/2 "	1.34	2	1.97	3.10	50.80
MICF/ME/32I-32T	2	2	1.81	2-3/4 "	2.66	4.22	69.80

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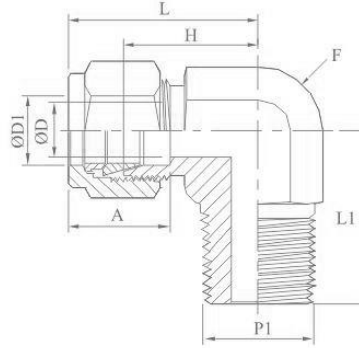
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# COMPRESSION TUBE FITTINGS



## MALE ELBOW BSP Metric OD X BSP/R Thread



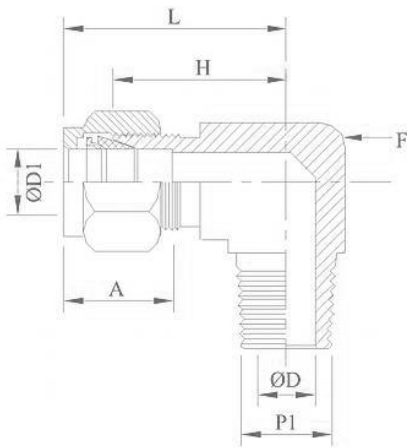
PART No.	METRIC								
	OD1 Metric	P1 BSPTM	OD	F Hex		H	L	L1	A
MICF/ME/IT/3M-2T	3	R-1/8	2.4	7/16 "	11.1	17.0	23.6	17.8	12.9
MICF/ME/IT/3M-4T	3	R-1/4	2.4	1/2 "	12.7	18.0	24.6	23.4	12.9
MICF/ME/IT/4M-2T	4	R-1/8	2.4	1/2 "	12.7	18.8	25.4	18.8	13.7
MICF/ME/IT/4M-4T	4	R-1/4	2.4	1/2 "	12.7	18.8	25.4	23.4	13.7
MICF/ME/IT/6M-2T	6	R-1/8	4.8	1/2 "	12.7	19.6	27.0	18.8	15.3
MICF/ME/IT/6M-4T	6	R-1/4	4.8	1/2 "	12.7	19.6	27.0	23.4	15.3
MICF/ME/IT/6M-6T	6	R-3/8	4.8	11/16 "	17.5	22.4	29.8	26.2	15.3
MICF/ME/IT/6M-8T	6	R-1/2	4.8	13/16 "	20.6	22.4	31.8	33.0	15.3
MICF/ME/IT/8M-2T	8	R-1/8	4.8	9/16 "	14.3	21.3	28.8	19.8	16.2
MICF/ME/IT/8M-4T	8	R-1/4	6.4	9/16 "	14.3	21.3	28.8	24.4	16.2
MICF/ME/IT/8M-6T	8	R-3/8	6.4	11/16 "	17.5	23.1	30.6	26.2	16.2
MICF/ME/IT/8M-8T	8	R-1/2	6.4	13/16 "	20.6	25.1	32.6	33.0	16.2
MICF/ME/IT/10M-2T	10	R-1/8	4.8	11/16 "	17.5	23.9	31.5	21.6	17.2
MICF/ME/IT/10M-4T	10	R-1/4	7.1	11/16 "	17.5	23.9	31.5	26.2	17.2
MICF/ME/IT/10M-6T	10	R-3/8	7.9	11/16 "	17.5	23.9	31.5	26.2	17.2
MICF/ME/IT/10M-8T	10	R-1/2	7.9	13/16 "	20.6	25.9	33.5	33.0	17.2
MICF/ME/IT/12M-2T	12	R-1/8	4.8	13/16 "	20.6	25.9	36.0	23.6	22.8
MICF/ME/IT/12M-4T	12	R-1/4	7.1	13/16 "	20.6	25.9	36.0	28.2	22.8
MICF/ME/IT/12M-6T	12	R-3/8	9.5	13/16 "	20.6	25.9	36.0	28.2	22.8
MICF/ME/IT/12M-8T	12	R-1/2	9.5	13/16 "	20.6	25.9	36.0	33.0	22.8
MICF/ME/IT/12M-12T	12	R-3/4	9.5	1-1/8 "	28.6	29.7	39.8	36.8	22.8
MICF/ME/IT/16M-6T	16	R-3/8	9.5	15/16 "	23.8	27.9	38.0	30.2	24.4
MICF/ME/IT/16M-8T	16	R-1/2	11.9	15/16 "	23.8	27.9	38.0	35.1	24.4
MICF/ME/IT/18M-8T	18	R-1/2	11.9	1-1/8 "	28.6	29.7	39.8	36.8	24.4
MICF/ME/IT/18M-12T	18	R-3/4	15.1	1-1/8 "	28.6	29.7	39.8	36.8	24.4
MICF/ME/IT/20M-8T	20	R-1/2	11.9	13/8 "	34.9	34.5	44.6	41.7	26.0
MICF/ME/IT/20M-12T	20	R-3/4	11.9	13/8 "	34.9	34.5	44.6	41.7	26.0
MICF/ME/IT/22M-12T	22	R-3/4	11.9	13/8 "	34.9	34.5	44.6	41.7	26.0
MICF/ME/IT/22M-16T	22	R-1	18.3	13/8 "	34.9	34.5	44.6	46.5	26.0
MICF/ME/IT/25M-12T	25	R-3/4	15.9	13/8 "	34.9	36.8	49.1	41.7	31.3
MICF/ME/IT/25M-16T	25	R-1	21.8	1-3/8 "	34.9	36.8	49.1	46.5	31.3

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## MALE ELBOW NPT Tube OD Metric X NPT M



PART No.	METRIC						
	OD1 Metric	P1 NPTM	OD	F Hex	A mm	L mm	H mm
MICF/ME/3M-2T	3	1/8 "	2.4	14	12.9	23.6	17.0
MICF/ME/3M-4T	3	1/4 "	2.4	14	12.9	24.6	18.0
MICF/ME/4M-2T	4	1/8 "	2.4	14	13.7	25.4	18.0
MICF/ME/4M-4T	4	1/4 "	2.4	14	13.7	25.4	18.0
MICF/ME/6M-2T	6	1/8 "	4.8	14	15.3	27.0	19.6
MICF/ME/6M-4T	6	1/4 "	4.8	14	15.3	27.0	19.6
MICF/ME/6M-6T	6	3/8 "	4.8	17.5	15.3	29.8	22.4
MICF/ME/6M-8T	6	1/2 "	4.8	20.6	15.3	31.8	21.3
MICF/ME/8M-2T	8	1/8 "	4.8	14.3	16.2	28.8	21.3
MICF/ME/8M-4T	8	1/4 "	6.4	14.3	16.2	28.8	23.4
MICF/ME/8M-6T	8	3/8 "	6.4	7.5	16.2	30.6	25.1
MICF/ME/8M-8T	8	1/2 "	6.4	20.6	16.2	32.6	23.9
MICF/ME/10M-2T	10	1/8 "	4.8	17.5	17.2	31.5	23.9
MICF/ME/10M-4T	10	1/4 "	7.1	17.5	17.2	31.5	23.9
MICF/ME/10M-6T	10	3/8 "	7.9	17.5	17.2	31.5	25.9
MICF/ME/10M-8T	10	1/2 "	7.9	20.6	17.2	33.5	25.9
MICF/ME/12M-4T	12	1/2 "	7.1	20.6	22.8	36.0	25.9
MICF/ME/12M-6T	12	3/4 "	9.5	20.6	22.8	36.0	25.9
MICF/ME/12M-8T	12	1/2 "	9.5	20.6	22.8	36.0	25.9
MICF/ME/12M-12T	12	3/4 "	9.5	27.0	22.8	39.8	29.7
MICF/ME/15M-8T	15	1/2 "	11.9	23.8	24.4	38.0	27.9
MICF/ME/16M-6T	16	3/8 "	9.5	23.8	24.4	38.0	27.9
MICF/ME/16M-8T	16	1/2 "	11.9	23.8	24.4	38.0	27.9
MICF/ME/16M-12T	18	3/4 "	12.7	26.98	24.4	39.8	29.7
MICF/ME/18M-8T	18	1/2 "	12.7	26.98	24.4	39.8	29.7
MICF/ME/18M-12T	18	3/4 "	15.1	26.98	24.4	39.8	29.7
MICF/ME/20M-8T	20	1/2 "	11.9	32	26.0	44.6	34.5
MICF/ME/20M-12T	20	3/4 "	15.9	32	26.0	44.6	34.5
MICF/ME/22M-12T	22	3/4 "	15.9	32	26.0	44.6	34.5
MICF/ME/22M-16T	22	1	18.3	36	26.0	44.6	34.5
MICF/ME/25M-12T	25	3/4 "	15.9	36	31.3	49.1	36.8
MICF/ME/25M-16T	25	1	21.8	36	31.3	49.1	36.8
MICF/ME/30M-20T	30	1-1/4 "	26.2	46	39.6	69.9	42.3
MICF/ME/32M-20T	32	1-1/4 "	27.8	46	42.0	72.3	49.3
MICF/ME/38M-24T	38	1-1/2 "	33.7	55	49.4	84.0	56.4

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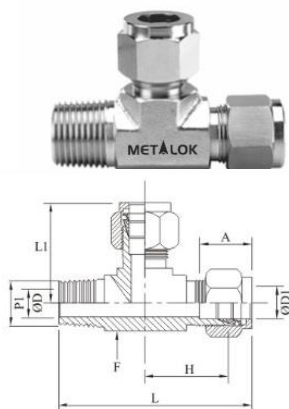
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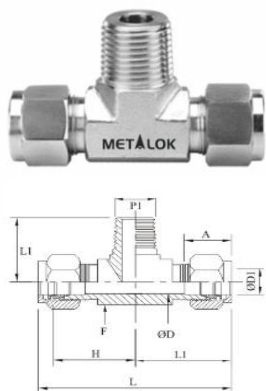
## MALE RUN TEE Tube OD X NPT Male



IMPERIAL								
PART No.	OD1 Imperial	P1 NPTM	OD	F Hex	A Inch	L1 Inch	L Inch	H mm
MICF/MRT/2I-2T	1/8 "	1/8 "	0.09	7/16 "	0.5o	0.93	1.63	18.30
MICF/MRT/2I-4T	1/8 "	1/4 "	0.09	1/2 "	0.5o	0.97	1.89	18.30
MICF/MRT/3I-2T	3/16 "	1/8 "	0.12	7/16 "	0.54	0.96	1.66	18.79
MICF/MRT/4I-2T	1/4 "	1/8 "	0.19	1/2 "	0.6o	1.06	1.80	19.55
MICF/MRT/4I-4T	1/4 "	1/4 "	0.19	1/2 "	0.6o	1.06	1.98	19.55
MICF/MRT/5I-2T	5/16 "	1/8 "	0.19	9/16 "	0.64	1.17	1.99	22.35
MICF/MRT/6MT	3/8 "	1/4 "	0.28	11/16 "	0.66	1.20	2.20	23.11
MICF/MRT/6I-6T	3/8 "	3/8 "	0.28	11/16 "	0.66	1.31	2.42	23.87
MICF/MRT/8I-6T	1/2 "	3/8 "	0.38	13/16 "	0.9o	1.42	2.53	25.90
MICF/MRT/8I-8T	1/2 "	1/2 "	0.41	13/16 "	0.9o	1.42	2.72	25.90
MICF/MRT/10I-8T	5/8 "	1/2 "	0.47	15/16 "	0.96	1.50	2.88	27.90
MICF/MRT/12I-12T	3/4 "	3/4 "	0.62	1-1/16 "	0.96	1.57	3.02	29.71

Option of BSP,MS,SW Threading available .Just add the required threading after the part number.  
E.g. MICF/MRT/2I-2T/BSP  
MICF/MRT/2I-2T/SW

METRIC								
PART No.	OD1 Imperial	P1 NPTM	OD	F Hex	A Inch	L1 Inch	L Inch	H mm
MICF/MRT/6M-2T	6	1/8 "	4.8	12.7	15.3	27.0	45.8	27
MICF/MRT/6M-4T	6	1/4 "	4.8	12.7	15.3	27.0	50.3	27
MICF/MRT/8M-4T	8	1/4 "	6.4	14.0	16.2	29.9	55.3	21.3
MICF/MRT/12M-4T	12	1/4 "	7.1	20.6	22.8	36.0	64.2	25.9
MICF/MRT/12M-8T	12	1/2 "	9.5	20.6	22.8	36.0	69.0	25.9
MICF/MRT/16M-8T	16	1/2 "	11.9	23.8	24.4	38.0	73.1	27.9



## MALE BRANCH TEE Tube OD imperial X NPT Male

IMPERIAL								
PART No.	OD1 Imperial	P1 NPTM	OD	F Hex	A Inch	L1 Inch	L Inch	H mm
MICF/MBT/2I-2T	1/8 "	1/8 "	0.09	7/16 "	0.50	0.70	1.86	18,30
MICF/MBT/2I-4T	1/8 "	1/4 "	0.09	1/2 "	0.50	0.92	1.94	18,30
MICF/MBT/3I-2T	3/16 "	1/8 "	0.12	7/16 "	0.54	0.70	1.92	18.79
MICF/MBT/4I-2T	1/4 "	1/8 "	0.19	1/2 "	0.60	0.74	2.12	19.55
MICF/MBT/4I-4T	1/4 "	1/4 "	0.19	1/2 "	0.60	0.92	2.12	19.55
MICF/MBT/5I-2T	5/16 "	1/8 "	0.19	5/8 "	0.64	0.82	2.34	22.35
MICF/MBT/6I-4T	3/8 "	1/4 "	0.28	5/8 "	0.66	1.00	2.40	23.11
MICF/MBT/6I-6T	3/8 "	3/8 "	0.28	13/16 "	0.66	1.11	2.62	23.87
MICF/MBT/8I-6T	1/2 "	3/8 "	0.38	13/16 "	0.90	1.11	2.84	25.90
MICF/MBT/8I-8T	1/2 "	1/2 "	0.41	13/16 "	0.90	1.30	2.84	25.90
MICF/MBT/10I-8T	5/8 "	1/2 "	0.47	1	0.96	1.41	3.06	27.90
MICF/MBT/12I-12T	3/4 "	3/4 "	0.62	1-1/16 "	0.96	1.45	3.14	29.71

Option of BSP,MS,SW Threading available .Just add the required threading after the part number.  
E.g. MICF/MRT/2I-2T/BSP  
MICF/MRT/2I-2T/SW

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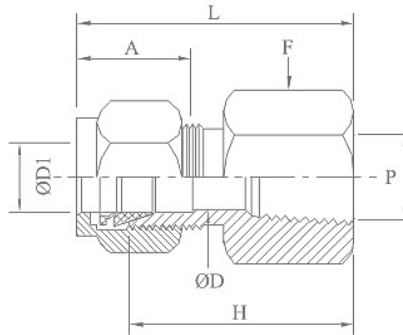
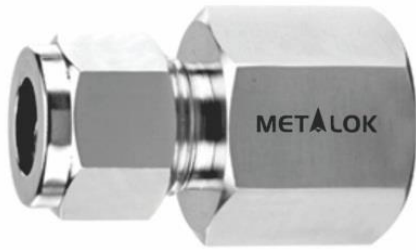
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## FEMALE CONNECTOR

Tube OD Imperial X NPT Female



### IMPERIAL

PART No.	OD1 Imperial	P NPTF	OD	F Hex	A Inch	L Inch	H mm
MICF/FC/1I-1T	1/16 "	1/16 "	0.05	7/16 "	0.34	0.93	20.6
MICF/FC/1I-2T	1/16 "	1/8 "	0.05	9/16 "	0.34	0.96	20.6
MICF/FC/2I-2T	1/8 "	1/8 "	0.09	9/16 "	0.50	1.13	23.08
MICF/FC/2I-4T	1/8 "	1/4 "	0.09	3/4 "	0.50	1.32	28.2
MICF/FC/3I-2T	3/16 "	1/8 "	0.12	9/16 "	0.54	1.17	23.5
MICF/FC/4I-2T	1/4 "	1/8 "	0.19	9/16 "	0.60	1.23	23.5
MICF/FC/4I-4T	1/4 "	1/4 "	0.19	3/4 "	0.60	1.41	28.5
MICF/FC/4I-6T	1/4 "	3/8 "	0.19	7/8 "	0.60	1.48	28.5
MICF/FC/4I-8T	1/4 "	1/2 "	0.19	1-1/6 "	0.60	1.67	33.4
MICF/FC/5I-2T	5/16 "	1/8 "	0.25	9/16 "	0.64	1.26	25.4
MICF/FC/5I-4T	5/16 "	1/4 "	0.25	3/4 "	0.64	1.45	30.1
MICF/FC/6I-2T	3/8 "	1/8 "	0.28	5/8 "	0.66	1.29	25.4
MICF/FC/6I-4T	3/8 "	1/4 "	0.28	3/4 "	0.66	1.48	30.2
MICF/FC/6I-6T	3/8 "	3/8 "	0.28	7/8 "	0.66	1.54	30.2
MICF/FC/6I-8T	3/8 "	1/2 "	0.28	1-1/16 "	0.66	1.73	35.0
MICF/FC/6I-12T	3/8 "	3/4 "	0.28	1-5/16 "	0.66	1.88	35.0
MICF/FC/8I-2T	1/2 "	1/4 "	0.41	7/8 "	0.90	1.59	30.2
MICF/FC/8I-6T	1/2 "	3/8 "	0.41	7/8 "	0.90	1.65	30.2
MICF/FC/8I-8T	1/2 "	1/2 "	0.41	1-1/16 "	0.90	1.84	35.1
MICF/FC/8I-8T	1/2 "	3/4 "	0.41	1-5/16 "	0.90	1.93	35.1
MICF/FC/10I-6T	5/8 "	3/8 "	0.50	15/16 "	0.96	1.65	30.2
MICF/FC/10I-8T	5/8 "	1/2 "	0.50	1-1/16 "	0.96	1.84	35.1
MICF/FC/10I-12T	5/8 "	3/4 "	0.50	1-3/8 "	0.96	1.90	35.1
MICF/FC/12I-8T	3/4 "	1/2 "	0.62	1-1/16 "	0.96	1.84	35.1
MICF/FC/12I-12T	3/4 "	3/4 "	0.62	1-3/8 "	0.96	1.90	35.1
MICF/FC/14I-12T	7/8 "	3/4 "	0.72	1-3/8 "	1.02	1.96	35.8
MICF/FC/16I-12T	1	3/4 "	0.88	1-3/8 "	1.23	2.10	37.3
MICF/FC/16I-16T	1	1	0.88	1-5/8 "	1.23	2.45	43.2
MICF/FC/20I-20T	1-1/4 "	1-1/4 "	1.09	2-1/8 "	1.62	2.94	52.57
MICF/FC/24I-24T	1-1/2 "	1-1/2 "	1.34	2-3/8 "	1.97	3.28	56.13
MICF/FC/32I-32T	2	2	1.81	2-7/8 "	2.66	4.00	64.26

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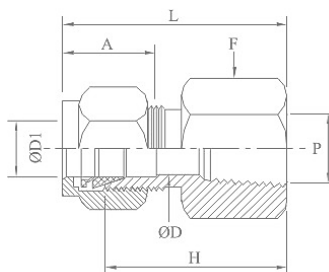
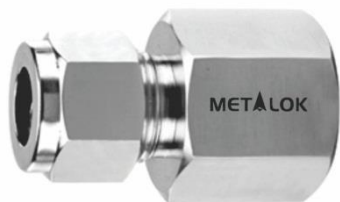
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## FEMALE CONNECTOR

Tube OD Metric X NPT Female



METRIC							
PART No.	OD1 Metric	P NPTF	OD	F Hex	A mm	L mm	H mm
MICF/FC/3M-2T	3	1/8 "	2.4	14	12.9	28.7	22.1
MICF/FC/3M-4T	3	1/4 "	2.4	19	12.9	33.5	26.9
MICF/FC/4M-2T	4	1/8 "	2.4	14	13.7	29.7	23.1
MICF/FC/6M-2T	6	1/8 "	4.8	14	15.3	31.3	23.9
MICF/FC/6M-4T	6	1/4 "	4.8	19	15.3	35.8	28.4
MICF/FC/6M-6T	6	3/8 "	4.8	22	15.3	37.6	29.5
MICF/FC/6M-8T	6	1/2 "	4.8	27	15.3	42.5	35.1
MICF/FC/8M-2T	8	1/8 "	6.4	14	16.2	32.1	24.6
MICF/FC/8M-4T	8	1/4 "	6.4	19	16.2	37.0	29.5
MICF/FC/8M-6T	8	3/8 "	6.4	22	16.2	38.5	30.2
MICF/FC/8M-8T	8	1/2 "	6.4	27	16.2	43.3	35.8
MICF/FC/10M-4T	10	1/4 "	7.9	19	17.2	37.8	30.2
MICF/FC/10M-6T	10	3/8 "	7.9	22	17.2	39.4	31.0
MICF/FC/10M-8T	10	1/2 "	7.9	27	17.2	44.2	36.6
MICF/FC/12M-4T	12	1/4 "	9.5	22	22.8	40.3	30.2
MICF/FC/12M-6T	12	3/8 "	9.5	22	22.8	41.9	31.0
MICF/FC/12M-8T	12	1/2 "	9.5	27	22.8	46.7	36.6
MICF/FC/15M-8T	15	1/2 "	11.9	27	24.4	46.7	36.6
MICF/FC/16M-8T	16	1/2 "	12.7	27	24.4	46.9	36.8
MICF/FC/20M-8T	20	1/2 "	15.9	30	26.0	47.9	37.8
MICF/FC/20M-12T	20	3/4 "	15.9	35	26.0	49.7	39.6
MICF/FC/22M-12T	22	3/4 "	18.3	35	26.0	49.7	39.6
MICF/FC/22M-16T	22	1	18.3	41	26.0	57.9	47.8
MICF/FC/25M-12T	25	3/4 "	21.8	35	31.3	53.4	41.1
MICF/FC/25M-16T	25	1	21.8	41	31.3	62.3	62.3

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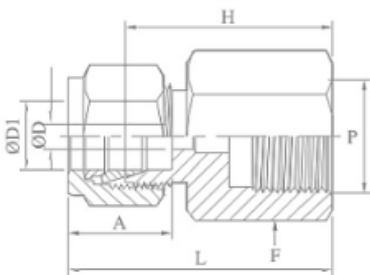
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## FEMALE CONNECTOR

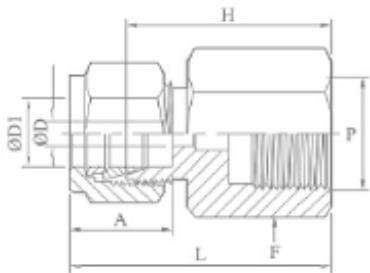
### Tube OD Metric to Female ISO/BSPT Thread



PART No.	METRIC						
	OD1 Metric	P BSPTF	OD	F Hex	H	L	A
MICF/FC/IT/3M-2T	3	R-1/8	2.4	14	22.1	28.7	12.9
MICF/FC/IT/6M-2T	6	R-1/8	4.8	14	23.9	31.3	15.3
MICF/FC/IT/6M-4T	6	R-1/4	4.8	19	28.4	35.8	15.3
MICF/FC/IT/6M-6T	6	R-3/8	4.8	22	30.2	37.6	15.3
MICF/FC/IT/6M-8T	6	R-1/2	4.8	27	35.1	42.5	15.3
MICF/FC/IT/8M-2T	8	R-1/8	6.4	15	24.6	32.1	16.2
MICF/FC/IT/8M-4T	8	R-1/4	6.4	19	29.5	37.0	16.2
MICF/FC/IT/8M-6T	8	R-3/8	6.4	22	31.0	38.5	16.2
MICF/FC/IT/8M-8T	8	R-1/2	6.4	27	35.8	43.3	16.2
MICF/FC/IT/10M-2T	10	R-1/8	7.9	18	25.4	33.0	17.2
MICF/FC/IT/10M-4T	10	R-1/4	7.9	19	30.2	37.8	17.2
MICF/FC/IT/10M-6T	10	R-3/8	7.9	22	31.8	39.4	17.2
MICF/FC/IT/10M-8T	10	R-1/2	7.9	27	36.6	44.2	17.2
MICF/FC/IT/12M-2T	12	R-1/8	8.3	22	25.4	35.5	22.8
MICF/FC/IT/12M-4T	12	R-1/4	9.5	22	30.2	40.3	22.8
MICF/FC/IT/12M-6T	12	R-3/8	9.5	22	31.8	41.9	22.8
MICF/FC/IT/12M-8T	12	R-1/2	9.5	27	36.6	46.7	22.8
MICF/FC/IT/12M-12T	12	R-3/4	9.5	35	38.9	49.0	22.8
MICF/FC/IT/15M-6T	15	R-3/8	11.9	24	31.8	41.9	24.4
MICF/FC/IT/15M-8T	15	R-1/2	11.9	27	36.6	46.7	24.4
MICF/FC/IT/20M-8T	20	R-1/2	15.9	30	37.8	47.9	26.0
MICF/FC/IT/20M-12T	20	R-3/4	15.9	35	39.6	49.7	26.0
MICF/FC/IT/22M-12T	22	R-3/4	18.3	35	39.6	49.7	26.0
MICF/FC/IT/22M-16T	22	R-1	18.3	41	47.8	57.9	26.0
MICF/FC/IT/25M-12T	25	R-3/4	21.8	35	41.1	53.4	31.3
MICF/FC/IT/25M-16T	25	R-1	21.8	41	50.0	62.3	31.3

## FEMALE CONNECTOR

### Tube OD Metric to Female ISO/BSPP Thread

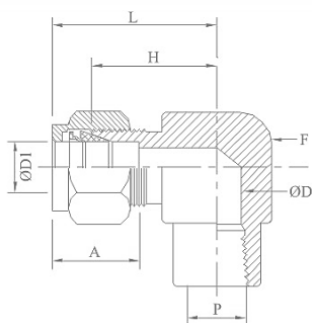


PART No.	METRIC						
	OD1 Metric	P BSPPF	OD	F Hex	H	L	A
MICF/FC/IP/3M-4T	3	G-1/4	2.4	19	28.7	35.3	12.9
MICF/FC/IP/6M-4T	6	G-1/4	4.8	19	30.2	37.6	15.3
MICF/FC/IP/6M-6T	6	G-3/8	4.8	24	30.2	37.6	15.3
MICF/FC/IP/6M-8T	6	G-1/2	4.8	27	36.1	43.5	15.3
MICF/FC/IP/8M-4T	8	G-1/4	5.5	19	31.0	38.5	16.2
MICF/FC/IP/8M-6T	8	G-3/8	6.5	24	28.7	36.2	16.2
MICF/FC/IP/8M-8T	8	G-1/2	7.0	27	33.5	41.0	16.2
MICF/FC/IP/10M-4T	10	G-1/4	5.5	19	31.8	39.4	17.2
MICF/FC/IP/10M-6T	10	G-3/8	6.5	24	31.2	38.8	17.2
MICF/FC/IP/10M-8T	10	G-1/2	7.0	27	34.5	42.1	17.2
MICF/FC/IP/12M-4T	12	G-1/4	5.5	22	31.8	41.9	22.8
MICF/FC/IP/12M-6T	12	G-3/8	6.5	24	34.3	44.4	22.8
MICF/FC/IP/12M-8T	12	G-1/2	7.0	27	38.1	48.2	22.8
MICF/FC/IP/20M-8T	20	G-1/2	7.0	30	44.2	54.3	26.0
MICF/FC/IP/22M-8T	22	G-1/2	7.0	30	44.2	54.3	26.0



## FEMALE ELBOW

### Tube OD Imperial X Female NPT



Option of BSP,MS,SW Threading available .Just add the required threading after the part number.

E.g. MICF/MRT/2I-2T/BSP

MICF/MRT/2I-2T/SW

PART No.	IMPERIAL						
	OD1 Imperial	P NPTF	OD	F Hex	A Inch	L Inch	H mm
MICF/FE/2I-2T	1/8 "	1/8 "	0.09	9/16 "	0.50	0.97	18.03
MICF/FE/2I-4T	1/8 "	1/4 "	0.09	11/16 "	0.50	1.08	20.82
MICF/FE/3I-2T	3/16 "	1/8 "	0.12	9/16 "	0.54	1.00	18.79
MICF/FE/4I-2T	1/4 "	1/8 "	0.19	9/16 "	0.60	1.06	19.55
MICF/FE/4I-4T	1/4 "	1/4 "	0.19	11/16 "	0.60	1.17	22.35
MICF/FE/4I-6T	1/4 "	3/8 "	0.19	13/16 "	0.60	1.25	24.38
MICF/FE/4I-8T	1/4 "	1/2 "	0.19	1-1/16 "	0.60	1.36	27.17
MICF/FE/5I-2T	5/16 "	1/8 "	0.25	9/16 "	0.64	1.13	21.33
MICF/FE/5I-4T	5/16 "	1/4 "	0.25	11/16 "	0.64	1.20	23.11
MICF/FE/6I-2T	3/8 "	1/8 "	0.28	5/8 "	0.66	1.20	23.11
MICF/FE/6MT	3/8 "	1/4 "	0.28	11/16 "	0.66	1.23	23.87
MICF/FE/6I-6T	3/8 "	3/8 "	0.28	13/16 "	0.66	1.31	25.90
MICF/FE/6I-8T	3/8 "	1/2 "	0.28	1-1/16 "	0.66	1.42	28.70
MICF/FE/8I-4T	1/2 "	1/4 "	0.41	13/16 "	0.90	1.42	25.90
MICF/FE/8I-6T	1/2 "	3/8 "	0.41	13/16 "	0.90	1.42	25.90
MICF/FE/8I-8T	1/2 "	1/2 "	0.41	1-1/16 "	0.90	1.53	28.70
MICF/FE/10I-6T	5/8 "	3/8 "	0.50	15/16 "	0.96	1.50	27.94
MICF/FE/10I-8T	5/8 "	1/2 "	0.50	1-1/16 "	0.96	1.57	29.71
MICF/FE/12I-8T	3/4 "	1/2 "	0.62	1-1/16 "	0.96	1.57	29.71
MICF/FE/12I-12T	3/4 "	3/4 "	0.62	1-3/8 "	0.96	1.76	34.54
MICF/FE/14I-12T	7/8 "	3/4 "	0.72	1-3/8 "	1.02	1.76	34.54
MICF/FE/16I-12T	1	3/4 "	0.88	1-3/8 "	1.23	1.93	36.83
MICF/FE/16I-16T	1	1	0.88	1-11/16 "	1.23	2.11	41.40

## FEMALE ELBOW

### Tube OD Metric X Female NPT

PART No.	METRIC						
	OD1 Metric	P NPTF	OD	F Hex	A mm	L mm	H mm
MICF/FE/6M-2T	6	1/8 "	4.8	12.7	15.3	27.0	19.6
MICF/FE/6M-4T	6	1/4 "	4.8	17.5	15.3	29.8	22.4
MICF/FE/6M-8T	6	1/2 "	4.8	27.0	15.3	34.6	27.2
MICF/FE/6M-4T	6	1/4 "	6.4	17.5	16.2	30.6	23.1
MICF/FE/10M-2T	10	1/8 "	7.9	17.5	17.2	31.5	23.9
MICF/FE/10M-4T	10	1/4 "	7.9	17.5	17.2	33.5	25.9
MICF/FE/12M-4T	12	1/4 "	9.5	20.6	22.8	36.0	25.9
MICF/FE/12M-8T	12	1/2 "	9.5	27.0	22.8	38.8	28.7
MICF/FE/16M-8T	16	1/2 "	12.7	27.0	24.4	39.5	29.7

Dimensions are for reference only and subject to change without notice.

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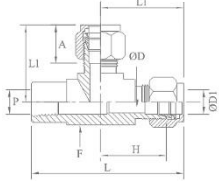


# COMPRESSION TUBE FITTINGS



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## FEMALE RUN TEE Tube OD Imperial X NPT Female



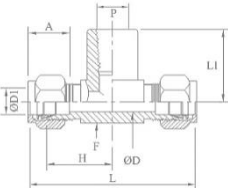
IMPERIAL								
PART No.	OD1 Imperial	P NPTF	OD	F Hex	A Inch	L1 Inch	L Inch	H mm
MICF/FRT/2I-2T	1/8 "	1/8 "	0.09	1/2 "	0.5o	0.97	1.72	18.03
MICF/FRT/4I-2T	1/4 "	1/8 "	0.19	1/2 "	0.6o	1.06	1.81	19.55
MICF/FRT/4I-4T	1/4 "	1/4 "	0.19	11/16 "	0.6o	1.17	2.05	22.86
MICF/FRT/6I-4T	3/8 "	1/4 "	0.28	11/16 "	0.66	1.23	2.11	23.87
MICF/FRT/8I-6T	1/2 "	3/8 "	0.41	13/16 "	0.9o	1.42	2.3o	25.9o
MICF/FRT/8I-8T	1/2 "	1/2 "	0.41	1-1/16 "	0.9o	1.57	2.69	29.71
MICF/FRT/12I-12T	3/4 "	3/4 "	0.62	1-3/8 "	0.96	1.76	3.01	34.54
MICF/FRT/16I-12T	1	3/4 "	0.88	1-3/8 "	1.23	1.93	3.18	36.83
MICF/FRT/16I-16T	1	1	0.88	1-11/16 "	1.23	2.11	3.61	41.4

## FEMALE RUN TEE Tube OD Metric X NPT Female

Option of BSP,MS,SW Threading available .Just add the required threading after the part number.  
E.g. MICF/MRT/2I-2T/BSP  
MICF/MRT/2I-2T/SW

METRIC								
PART No.	OD1 Metric	P NPTF	OD	F Hex	A mm	L1 mm	L mm	H mm
MICF/FRT/6M-2T	6	1/8 "	4.8	12.7	15.3	27.o	46.o	19.6
MICF/FRT/6M-4T	6	1/4 "	4.8	17.5	15.3	29.8	52.1	22.4
MICF/FRT/8M-2T	8	1/8 "	6.4	14	16.2	29.9	48.9	23.1
MICF/FRT/8M-4T	8	1/4 "	6.4	17.5	16.2	30.6	53.o	23.1
MICF/FRT/10M-4T	10	1/4 "	7.9	17.4	17.2	33.5	55.9	25.9
MICF/FRT/12M-4T	12	1/4 "	9.5	20.6	22.8	36.o	58.4	25.9
MICF/FRT/12M-6T	12	3/8 "	9.5	20.6	22.8	36.o	58.4	25.9
MICF/FRT/16M-8T	16	1/2 "	12.7	26.98	24.4	39.8	68.2	29.7

## FEMALE BRANCH TEE Tube OD Imperial X NPT Female



Option of BSP,MS,SW Threading available .Just add the required threading after the part number.  
E.g. MICF/MRT/2I-2T/BSP  
MICF/MRT/2I-2T/SW

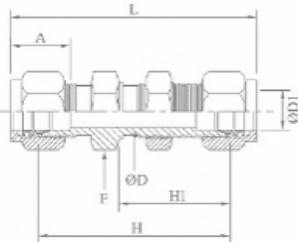
IMPERIAL								
PART No.	OD1 Imperial	P NPTF	OD	F Hex	A Inch	L1 Inch	L Inch	H mm
MICF/FBT/2I-2T	1/8 "	1/8 "	0.09	1/2 "	0.5o	0.75	1.94	18.03
MICF/FBT/4I-2T	1/4 "	1/8 "	0.19	1/2 "	0.6o	0.75	2.12	19.55
MICF/FBT/4I-4T	1/4 "	1/4 "	0.19	11/16 "	0.6o	0.88	2.34	22.86
MICF/FBT/6I-4T	3/8 "	1/4 "	0.28	11/16 "	0.66	0.88	2.46	23.87
MICF/FBT/6I-6T	3/8 "	3/8 "	0.28	13/16 "	0.66	0.88	2.62	25.9o
MICF/FBT/6I-8T	3/8 "	1/2 "	0.28	1	0.66	1.12	2.84	28.7o
MICF/FBT/8I-4T	1/2 "	1/4 "	0.41	13/16 "	0.9o	0.88	2.84	25.9o
MICF/FBT/8I-6T	1/2 "	3/8 "	0.41	13/16 "	0.9o	0.88	2.84	25.9o
MICF/FBT/8I-8T	1/2 "	1/2 "	0.41	1	0.9o	1.12	3.06	29.71
MICF/FBT/10I-8T	5/8 "	1/2 "	0.5o	1	0.96	1.12	3.06	28.7o
MICF/FBT/12I-12T	3/4 "	3/4 "	0.62	1-3/8 "	0.96	1.55	3.52	34.54
MICF/FBT/16I-12T	1	3/4 "	0.88	1-3/8 "	1.23	1.55	3.86	36.83
MICF/FBT/16I-16T	1	1	0.88	1-11/16 "	1.23	1.5o	4.22	41.4o

## FEMALE BRANCH TEE Tube OD Metric X NPT Female

METRIC								
PART No.	OD1 Metric	P NPTF	OD	F Hex	A mm	L1 mm	L mm	H mm
MICF/FBT/6M-2T	6	1/8 "	4.8	12.7	15.3	19.0	53.9	19.6
MICF/FBT/6M-4T	6	1/4 "	4.8	17.5	15.3	22.4	59.5	22.4
MICF/FBT/8M-2T	8	1/8 "	6.4	14.0	16.2	19.0	59.7	23.1
MICF/FBT/8M-4T	8	1/4 "	6.4	17.5	16.2	22.4	61.2	23.1
MICF/FBT/10M-4T	10	1/4 "	7.9	17.4	17.2	22.4	67.0	25.9
MICF/FBT/12M-4T	12	1/4 "	9.5	20.6	22.8	22.4	72.0	25.9
MICF/FBT/12M-6T	12	3/8 "	9.5	20.6	22.8	22.4	72.0	25.9
MICF/FBT/16M-8T	16	1/2 "	12.7	27.0	24.4	28.4	77.6	29.7

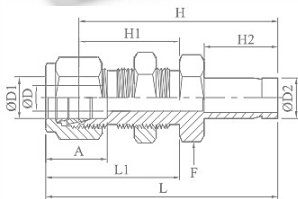


## BULKHEAD UNION Tube OD



IMPERIAL									
PART No.	OD1 Imperial	OD	F Hex	A Inch	L Inch	Panel Hole size	Max Panel Thickness	H Inch	H1 mm
MICF/BU/1I	1/16 "	0.05	5/16 "	0.34	1.24	13/64	0.12	23.87	13.46
MICF/BU/2I	1/8 "	0.09	1/2 "	0.50	2.02	21/64	0.50	38.10	24.63
MICF/BU/3I	3/16 "	0.12	9/16 "	0.54	2.11	25/64	0.50	40.38	25.40
MICF/BU/4I	1/4 "	0.19	5/8 "	0.60	2.27	29/64	0.40	42.92	26.16
MICF/BU/5I	5/16 "	0.25	11/16 "	0.64	2.39	33/64	0.44	45.97	28.44
MICF/BU/6I	3/8 "	0.28	3/4 "	0.66	2.45	37/64	0.44	47.49	29.46
MICF/BU/8I	1/2 "	0.41	15/16 "	0.90	2.80	49/64	0.50	50.80	31.75
MICF/BU/10I	5/8 "	0.50	1-1/6 "	0.96	2.86	57/64	0.50	52.32	32.51
MICF/BU/12I	3/4 "	0.62	1-3/6 "	0.96	3.11	11/16 "	0.66	58.67	37.33
MICF/BU/16I	1	0.88	1-5/8 "	1.23	3.77	121/64	0.75	71.37	45.21
MICF/BU/20I	1-1/4 "	1.09	1-7/8 "	1.62	4.85	141/64	0.75	78.99	47.75
MICF/BU/24I	1-1/2 "	1.34	2-1/4 "	1.97	5.48	161/64	0.75	84.83	49.27
MICF/BU/32I	2	1.81	2-3/4 "	2.66	7.1	241/64	0.75	105.66	56.38

METRIC									
PART No.	OD1 Metric	OD	F Hex	A mm	L mm	Panel Hole size	Panel Thickness	H mm	H1 mm
MICF/BU/3M	3	2.4	14	12.9	51.3	8.3	12.7	38.1	24.6
MICF/BU/4M	4	2.4	14	13.2	53.6	9.9	12.7	40.4	25.4
MICF/BU/6M	6	4.8	16	15.3	57.7	11.5	10.2	42.9	26.2
MICF/BU/8M	8	6.4	18	16.2	61.0	13.1	11.2	46.0	28.6
MICF/BU/10M	10	7.9	22	17.2	63.7	16.3	11.2	48.5	29.4
CF/BU/12M	12	9.5	24	22.8	71.0	19.5	12.7	50.8	31.8
MICF/BU/14M	14	11.1	27	24.4	72.5	22.5	12.7	52.3	32.5
MICF/BU/15M	15	11.9	27	24.4	72.5	22.8	12.7	52.3	32.5
MICF/BU/16M	16	12.7	27	24.4	72.5	22.8	12.7	52.3	32.5
MICF/BU/18M	18	15.1	30	24.4	78.9	26.0	16.8	58.7	37.3
MICF/BU/20M	20	15.9	35	26.0	84.5	29.0	19.0	64.3	42.9
MICF/BU/25M	25	21.8	40	31.2	96.0	33.7	19.0	71.4	45.2
MICF/BU/30M	30	26.2	50	39.6	123.7	40.5	19.0	82.3	49.5
MICF/BU/32M	32	28.6	50	42.0	128.3	42.5	19.0	82.3	49.5
MICF/BU/38M	38	33.7	60	49.4	144.6	50.5	19.0	89.4	51.5



## BULKHEAD REDUCER

### Tube OD Imperial

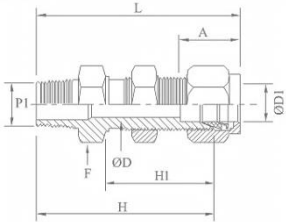
IMPERIAL											
PART No.	OD1 Imperial	OD2 Tube	OD	F Hex	H	H1	H2	L	A	L1	
MICF/BRT-T/2I-2T	1/8 "	1/8 "	2.03	1/2 "	12.7	42.92	24.63	13.46	49.53	12.7	31.24
MICF/BRT-T/4I-4T	1/4 "	1/4 "	4.20	5/8 "	15.9	48.5	26.16	15.74	55.88	15.2	33.52
MICF/BRT-T/6I-6T	3/8 "	3/8 "	7.11	3/4 "	19.1	53.85	29.46	17.52	61.21	16.8	36.83
MICF/BRT-T/8I-8T	1/2 "	1/2 "	9.90	15/16 "	23.8	62.73	31.75	23.11	72.89	22.9	41.91

Option of Metric. Available  
Just add the M ahead of  
part number  
E.g. M/MICF/BRT-T/2I-2T



## BULKHEAD MALE CONNECTOR

Tube OD X NPT Male

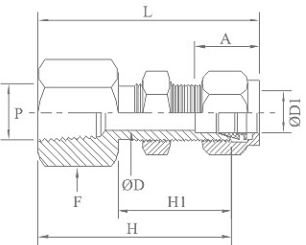


IMPERIAL									
PART No.	OD1 Imperial	P1 NPTM	OD	F Hex	L Inch	Panel Hole size	Max Panel Thickness	H Inch	H1 Inch
MICF/BMC/2I-2I	1/8 "	1/8 "	0.09	1/2 "	1.83	21/64 "	0.50	1.57	0.97
MICF/BMC/4I-2I	1/4 "	1/8 "	0.19	5/8 "	1.95	29/64 "	0.40	1.66	1.03
MICF/BMC/4I-4I	1/4 "	1/4 "	0.19	5/8 "	2.10	29/64 "	0.40	1.81	1.03
MICF/BMC/6I-4I	3/8 "	1/4 "	0.28	3/4 "	2.26	37/64 "	0.44	1.97	1.16
MICF/BMC/8I-6I	3/8 "	3/8 "	0.37	15/16 "	2.49	49/64 "	0.50	2.09	1.25
MICF/BMC/8I-8I	1/2 "	1/2 "	0.41	15/16 "	2.71	49/64 "	0.50	2.31	1.25

METRIC									
PART No.	OD1 Metric	P1 NPTM	OD	F Hex	L mm	Panel Hole size	Max Panel Thickness	H mm	H1 mm
MICF/BMC/6M-2I	6	1/8 "	4.8	16.0	49.6	11.5	10.2	42.2	26.2
MICF/BMC/6M-4I	6	1/4 "	4.8	16.0	53.4	11.5	10.2	46.0	26.2
MICF/BMC/12M-8I	12	1/2 "	9.5	24.0	68.1	19.5	12.7	57.8	31.8

## BULKHEAD FEMALE CONNECTOR

Tube OD Imperial X NPT Female



IMPERIAL										
PART No.	OD1 Imperial	P NPTF	OD	F Hex	A Inch	L Inch	H Inch	H1 Inch	Panel Hole size	Max Panel Thickness
MICF/BFC/2I-2I	1/8 "	1/8 "	0.09	9/16 "	0.5	1.76	1.50	0.97	21/64	0.50
MICF/BFC/4I-2I	1/4 "	1/8 "	0.19	5/8 "	0.60	1.85	1.56	1.03	29/64	0.40
MICF/BFC/4I-4I	1/4 "	1/4 "	0.19	5/8 "	0.60	2.04	1.75	1.03	29/64	0.40
MICF/BFC/6I-4I	3/8 "	1/4 "	0.28	3/4 "	0.66	2.17	1.88	1.16	37/64	0.44
MICF/BFC/8I-6I	1/2 "	3/8 "	0.37	7/8 "	0.90	2.43	2.03	1.25	49/64	0.50
MICF/BFC/8I-8I	1/2 "	1/2 "	0.41	1-1/16 "	0.90	2.62	2.22	1.25	49/64	0.50

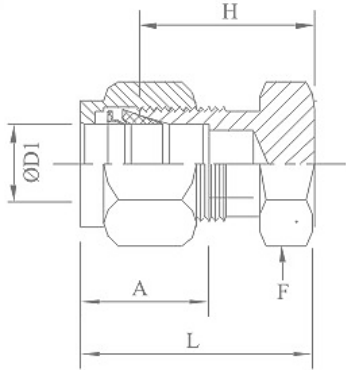
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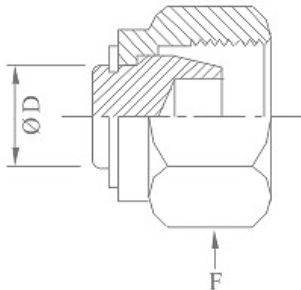
## CAP - END OF TUBE Tube OD



PART No.	METRIC				
	OD1 Metric	F Hex	A mm	L mm	H mm
MICF/CCET/2M	2	11	12.9	20.1	13.5
MICF/CCET/3M	3	11	12.9	20.1	13.5
MICF/CCET/4M	4	11	13.7	21.3	14.7
MICF/CCET/6M	6	14	15.3	23.1	15.7
MICF/CCET/8M	8	16	16.2	24.6	17.0
MICF/CCET/10M	10	17	17.2	24.6	15.0
MICF/CCET/12M	12	22	22.8	29.1	19.0
MICF/CCET/15M	15	24	24.4	29.9	19.8
MICF/CCET/16M	16	24	24.4	29.9	19.8
MICF/CCET/18M	18	27	24.4	31.4	21.3
MICF/CCET/20M	20	30	26.0	34.0	23.9
MICF/CCET/22M	22	30	26.0	34.0	23.9
MICF/CCET/25M	25	35	31.3	38.5	26.2

PART No.	IMPERIAL				
	OD1 Imperial	F Hex	A Inch	L Inch	H Inch
MICF/CCET/1I	1/16 "	5/16 "	0.34	0.59	0.44
MICF/CCET/2I	1/8 "	7/16 "	0.50	0.79	0.53
MICF/CCET/3I	3/16 "	7/16 "	0.54	0.84	0.58
MICF/CCET/4I	1/4 "	1/2 "	0.60	0.91	0.62
MICF/CCET/5I	5/16 "	9/16 "	0.64	0.96	0.67
MICF/CCET/6I	3/8 "	5/8 "	0.66	1.01	0.72
MICF/CCET/8I	1/2 "	13/16 "	0.90	1.15	0.75
MICF/CCET/10I	5/8 "	15/16 "	0.96	1.18	0.78
MICF/CCET/12I	3/4 "	1-1/6 "	0.96	1.24	0.84
MICF/CCET/14I	7/8 "	1-3/6 "	1.02	1.34	0.94
MICF/CCET/16I	1	1-3/8 "	1.23	1.51	1.03

## PLUG – PLUGGING Tube OD



PART No.	IMPERIAL	
	OD Imperial	F Hex
MICF/PP/1I	1/16 "	5/16 "
MICF/PP/2I	1/8 "	7/16 "
MICF/PP/3I	3/16 "	1/2 "
MICF/PP/4I	1/4 "	9/16 "
MICF/PP/5I	5/16 "	5/8 "
MICF/PP/6I	3/8 "	11/16 "
MICF/PP/8I	1/2 "	7/8 "
MICF/PP/10I	5/8 "	1
MICF/PP/12I	3/4 "	1-1/8 "
MICF/PP/16I	1	1-1/2 "

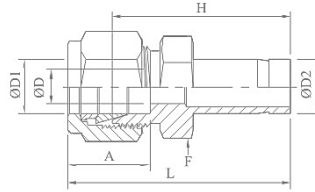
PART No.	METRIC	
	OD Metric	F Hex
MICF/PP/3M	3	12
MICF/PP/4M	4	12
MICF/PP/6M	6	14
MICF/PP/8M	8	16
MICF/PP/10M	10	19
MICF/PP/12M	12	22
MICF/PP/15M	15	25
MICF/PP/16M	16	25
MICF/PP/18M	18	30
MICF/PP/20M	20	32
MICF/PP/25M	25	38

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## REDUCER TUBE (INCH) TO STUB (INCH)



PART No.	IMPERIAL							
	OD1 Imperial	OD2 Tube	OD	F Hex	H	L	A	
MICF/RTS/1I-2	1/16 "	1/8 "	1.27	5/16 "	7.9	25.4o	29.21	8.6
MICF/RTS/1I-4	1/16 "	1/4 "	1.27	5/16 "	7.9	27.68	31.5	8.6
MICF/RTS/2I-1	1/8 "	1/16 "	0.76	7/16 "	11.1	22.35	28.96	12.7
MICF/RTS/2I-3	1/8 "	3/16 "	2.28	7/16 "	11.1	27.68	34.29	12.7
MICF/RTS/2I-4	1/8 "	1/4 "	2.28	7/16 "	11.1	29.46	36.06	12.7
MICF/RTS/2I-6	1/8 "	3/8 "	2.28	7/16 "	11.1	30.98	37.59	12.7
MICF/RTS/2I-8	1/8 "	1/2 "	2.28	7/16 "	14.3	37.59	44.2o	12.7
MICF/RTS/3I-2	3/16 "	1/8 "	2.03	7/16 "	11.1	28.19	34.8o	13.7
MICF/RTS/3I-4	3/16 "	1/4 "	3.04	7/16 "	11.1	30.48	37.08	13.7
MICF/RTS/4I-2	1/4 "	1/8 "	2.03	1/2 "	12.7	29.46	36.83	15.2
MICF/RTS/4I-3	1/4 "	3/16 "	3.04	1/2 "	12.7	30.22	37.59	15.2
MICF/RTS/4I-4	1/4 "	1/4 "	4.2o	1/2 "	12.7	31.75	39.11	15.2
MICF/RTS/4I-5	1/4 "	5/16 "	4.82	1/2 "	12.7	32.51	39.87	15.2
MICF/RTS/4I-6	1/4 "	3/8 "	4.82	1/2 "	12.7	33.27	40.64	15.2
MICF/RTS/4I-8	1/4 "	1/2 "	4.82	9/16 "	14.3	38.86	46.22	15.2
MICF/RTS/4I-10	1/4 "	5/8 "	4.82	11/16 "	17.5	40.64	48.oo	15.2
MICF/RTS/4I-12	1/4 "	3/4 "	4.82	13/16 "	20.6	40.39	47.75	15.2
MICF/RTS/5I-6	5/16 "	3/8 "	6.35	9/16 "	14.3	34.54	41.91	16.3
MICF/FITS/5I-8	5/16 "	1/2 "	6.35	9/16 "	14.3	40.13	47.49	16.3
MICF/RTS/6I-4	3/8 "	1/4 "	4.2o	5/8 "	15.9	34.03	41.4o	16.8
MICF/RTS/6I-6	3/8 "	3/8 "	7.11	5/8 "	15.9	35.81	43.18	16.8
MICF/RTS/6I-8	3/8 "	1/2 "	7.11	5/8 "	15.9	41.14	48.51	16.8
MICF/RTS/6I-10	3/8 "	5/8 "	7.11	11/16 "	17.5	42.92	50.29	16.8
MICF/RTS/6I-12	3/8 "	3/4 "	7.11	13/16 "	20.6	42.92	50.29	16.8
MICF/RTS/8I-4	1/2 "	1/4 "	4.82	13/16 "	20.6	34.8o	44.96	22.9
MICF/RTS/8I-6	1/2 "	3/8 "	7.11	13/16 "	20.6	36.58	46.74	22.9
MICF/RTS/8I-8	1/2 "	1/2 "	9.91	13/16 "	20.6	42.16	52.32	22.9
MICF/RTS/8I-10	1/2 "	5/8 "	10.41	13/16 "	20.6	43.68	53.84	22.9
MICF/RTS/8I-12	1/2 "	3/4 "	10.41	13/16 "	20.6	43.68	53.84	22.9
MICF/RTS/8I-16	1/2 "	1	10.41	1-1/16 "	27.o	50.03	60.19	22.9
MICF/RTS/10I-12	5/8 "	3/4 "	12.7o	15/16 "	23.8	44.45	54.61	24.4
MICF/FITS/10I-14	5/8 "	7/8 "	12.7o	15/16 "	23.8	45.97	56.13	24.4
MICF/RTS/10I-16	5/8 "	1	12.7o	1-1/16 "	27.o	50.8o	60.96	24.4
MICF/RTS/12I-8	3/4 "	1/2 "	9.91	1-1/16 "	27.o	44.45	54.61	24.4
MICF/RTS/12I-16	3/4 "	1	15.75	1-1/16 "	27.o	52.32	62.48	24.4
MICF/RTS/16I-20	1	1-1/4 "	22.35	1-3/8 "	34.9	68.33	80.52	31.2
MICF/RTS/16I-24	1	1-1/2 "	22.35	1-5/8 "	41.3	76.96	89.15	31.2
MICF/RTS/20I-24	1-1/4 "	1-1/2 "	27.7	13/4 "	44.5	82.o	104.1	41.1o

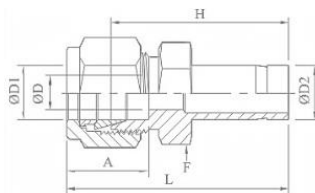
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## REDUCER TUBE (METRIC) TO STUB (METRIC)



PART No.	METRIC						
	OD1 Imperial	OD2 Tubs	OD	F Hex	H	L	A
MICF/RTS/2M-3	2	3	1.7	12	26.9	33.5	12.9
MICF/RTS/3M-4	3	4	2.4	12	28.4	35.0	12.9
MICF/RTS/3M-6	3	6	2.4	12	29.5	36.1	12.9
MICF/RTS/3M-10	3	10	2.4	14	31.8	38.4	12.9
MICF/RTS/4M-6	4	6	2.4	12	30.5	37.1	13.7
MICF/RTS/6M-3	6	3	1.8	14	29.5	36.9	15.3
MICF/RTS/6M-8	6	8	4.8	14	32.5	39.9	15.3
MICF/RTS/6M-10	6	10	4.8	14	33.3	40.7	15.3
MICF/RTS/6M-12	6	12	4.8	14	38.9	46.3	15.3
MICF/RTS/6M-18	6	18	4.8	22	42.2	49.6	15.3
MICF/RTS/8M-6	8	6	4.0	15	32.8	40.3	16.2
MICF/RTS/8M-10	8	10	6.4	15	34.5	42.0	16.2
MICF/RTS/8M-12	8	12	6.4	15	40.1	47.6	16.2
MICF/RTS/10M-6	10	6	4.0	18	34.8	42.4	17.2
MICF/RTS/10M-8	10	8	5.6	18	35.8	43.4	17.2
MICF/RTS/10M-12	10	12	7.9	18	42.2	49.8	17.2
MICF/RTS/10M-15	10	15	7.9	18	43.7	51.3	17.2
MICF/RTS/10M-18	10	18	7.9	22	43.7	51.3	17.2
MICF/RTS/12M-6	12	6	4.0	22	34.8	44.9	22.8
MICF/RTS/12M-10	12	10	7.7	22	36.6	46.7	22.8
MICF/RTS/12M-16	12	16	9.5	22	43.7	53.8	22.8
MICF/RTS/12M-18	1	18	9.5	22	43.7	53.8	22.8
MICF/RTS/12M-20	12	20	9.5	22	46.0	56.1	22.8
MICF/RTS/12M-22	12	22	9.5	24	46.0	56.1	22.8
MICF/RTS/12M-25	12	25	9.5	27	52.3	62.4	22.8
MICF/RTS/16M-12	16	12	9.1	24	42.9	53.0	24.4
MICF/RTS/18M-12	18	12	9.1	27	44.5	54.6	24.4
MICF/RTS/18M-16	18	16	12.7	27	46.0	56.1	24.4
MICF/RTS/18M-20	18	20	15.1	27	47.5	57.6	24.4
MICF/RTS/18M-22	18	22	15.1	27	47.5	57.6	24.4
MICF/RTS/18M-25	18	25	15.1	27	52.3	62.4	24.4
MICF/RTS/20M-16	20	16	12.7	30	47.8	57.9	26.0
MICF/RTS/20M-18	20	18	13.9	30	47.8	57.9	26.0
MICF/RTS/20M-22	20	22	15.8	30	49.3	59.4	26.0
MICF/RTS/20M-25	20	25	15.9	30	54.1	64.2	26.0
MICF/RTS/22M-18	22	18	13.9	30	47.8	57.9	26.0
MICF/RTS/22M-20	22	20	15.1	30	49.3	59.4	26.0
MICF/RTS/22M-25	22	25	18.3	30	54.1	64.2	26.0
MICF/RTS/25M-18	25	18	13.9	35	50.8	63.1	31.3
MICF/RTS/25M-20	25	20	15.1	35	52.3	64.6	31.3

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### Warning for Your Safety

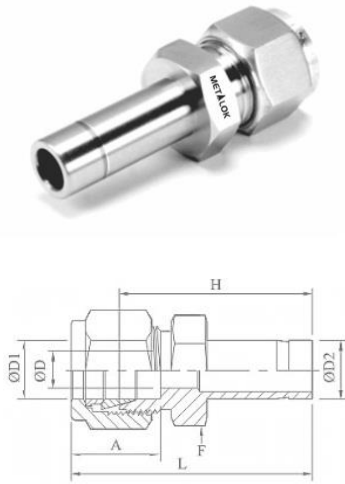
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## REDUCER TUBE (METRIC) TO STUB (INCH)

METRIC							
PART NO.	OD1 Metric	OD2 Tube	OD	F Hex	H	L	A
MICF/RTS/2M-2	2	1/8 "	1.7	12	26.9	33.5	12.9
MICF/RTS/3M-2	3	1/8 "	2.0	12	26.9	33.5	12.9
MICF/RTS/3M-4	3	1/4 "	2.4	12	29.5	36.1	12.9
MICF/RTS/4M-4	4	1/4 "	2.4	12	30.5	37.1	13.7
MICF/RTS/6M-2	6	1/8 "	2.2	14	29.5	36.9	15.3
MICF/RTS/6M-5	6	5/16 "	4.8	14	32.5	39.9	15.3
MICF/RTS/6M-6	6	3/8 "	4.8	14	33.3	40.7	15.3
MICF/RTS/6M-8	6	1/2 "	4.8	14	38.9	46.3	15.3
MICF/RTS/8M-6	8	3/8 "	6.4	15	34.5	42.0	16.2
MICF/RTS/8M-8	8	1/2 "	6.4	15	40.1	47.6	16.2
MICF/RTS/10M-6	10	3/8 "	7.1	16	36.6	44.2	17.2
MICF/RTS/10M-8	10	1/2 "	7.9	18	42.2	49.8	17.2
MICF/RTS/12M-8	12	1/2 "	9.5	22	42.2	52.3	22.8
MICF/RTS/12M-12	12	3/4 "	9.5	22	43.7	53.8	22.8
MICF/RTS/18M-12	18	3/4 "	15.1	27	46.0	56.1	24.4
MICF/RTS/18M-16	18	1 "	15.1	27	52.3	62.4	24.4
MICF/RTS/25M-16	25	1 "	20.2	35	57.2	69.4	31.3



## REDUCING PORT CONNECTOR Tube OD

IMPERIAL							
PART NO.	OD2 Tube	OD1 Tube	OD	H	L	OD3	M
MICF/RPC/2-1I	1/8 "	1/16 "	0.75	8.64	17.3	6.10	2.03
MICF/RPC/4-1I	1/4 "	1/16 "	0.75	8.64	18.0	9.40	3.55
MICF/RPC/4-2I	1/4 "	1/8 "	2.28	13.46	22.6	9.40	3.30
MICF/RPC/6-2I	3/8 "	1/8 "	2.20	13.46	23.2	12.70	3.81
MICF/RPC/6-4I	3/8 "	1/4 "	4.20	15.75	24.9	12.70	3.30
MICF/RPC/8-4I	1/2 "	1/4 "	4.20	15.75	29.2	15.75	3.81
MICF/RPC/8-6I	1/2 "	3/8 "	7.10	17.52	30.5	15.75	3.30
MICF/RPC/12-8I	3/4 "	1/2 "	9.90	23.11	37.9	22.10	3.81

METRIC							
PART NO.	OD2 Tube	OD1 Tube	OD	H	L	OD3	M
MICF/RPC/6-3M	6	3	2.1	13.5	22.9	9.0	3.2
MICF/RPC/8-6M	8	6	4.0	15.7	24.7	11.0	3.1
MICF/RPC/10-6M	10	6	4.0	15.7	25.8	13.1	3.4
MICF/RPC/10-8M	10	8	5.6	16.8	26.1	13.1	3.1
MICF/RPC/12-6M	12	6	4.0	15.7	29.1	15.0	3.6
MICF/RPC/12-8M	12	8	5.6	16.8	30.1	15.0	3.4
MICF/RPC/12-10M	12	10	7.1	17.5	30.6	15.0	3.1
MICF/RPC/16-12M	16	12	8.8	23.1	37.5	19.0	3.4



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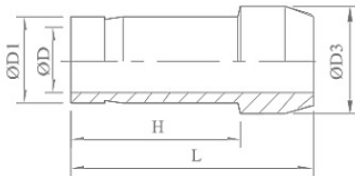
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## PORTS CONNECTOR

### COMPRESSION TUBE PORTS CONNECTOR (IMPERIAL)

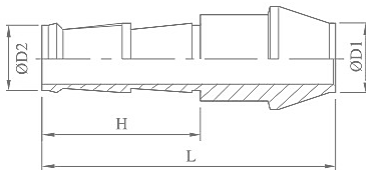


PART No.	OD1 Tube	OD	H	L	OD3
MICF/PC/1I	1/16 "	0.75	10.66	13.7	3.30
MICF/PC/2I	1/8 "	2.20	15.75	22.4	6.10
MICF/PC/4I	1/4 "	4.20	18.80	24.9	9.40
MICF/PC/5I	5/16 "	6.00	20.06	25.9	10.92
MICF/PC/6I	3/8 "	7.60	20.32	26.2	12.70
MICF/PC/8I	1/2 "	9.90	25.90	35.8	15.75
MICF/PC/12I	3/4 "	15.00	27.68	37.3	22.10
MICF/PC/16I	1	20.30	34.54	48.1	28.45

## PORTS CONNECTOR

### COMPRESSION TUBE PORTS CONNECTOR (METRIC)

PART No	OD1 Tube	OD	H	L	OD3
MICF/PC/3M	3	2.1	15.7	22.2	6.0
MICF/PC/6M	6	4.0	18.7	25.0	9.0
MICF/PC/8M	8	6.0	20.0	25.9	11.0
MICF/PC/10M	10	7.1	20.2	27.1	13.1
MICF/PC/12M	12	8.8	26.0	36.2	15.0
MICF/PC/16M	16	12.7	27.6	37.4	19.0
MICF/PC/18M	18	13.9	27.6	37.4	21.1



## HOSE TO PORT CONNECTOR

### for fractional tube

IMPERIAL				
PART NO.	OD2 Hose size	OD1 Port Size	L	H
MICF/H PC/61	_A	3/8/ "	1.40	0.80

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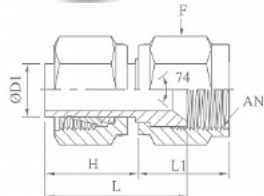
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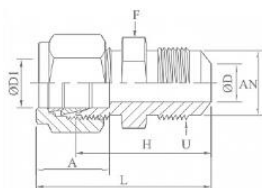


## TUBE TO AN ADAPTER



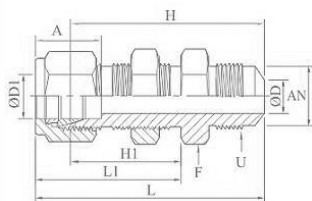
IMPERIAL								
PART No.	OD1 Imperial	AN Tube	Flare size	F Hex		L	L1	H
MICF/AN-A/2I-2T	1/8 "	1/8 "	3.17	3/8 "	9.5	18.54	13.71	13.46
MICF/AN-A/2I-4T	1/8 "	1/4 "	6.35	9/16 "	14.3	19.05	15.74	13.46
MICF/AN-A/4I-4T	1/4 "	1/4 "	6.35	9/16 "	14.3	21.33	15.74	15.75
MICF/AN-A/6I-6T	1/2 "	3/8 "	9.52	11/16 "	17.5	24.89	21.59	17.53
MICF/AN-A/8I-8T	1/2 "	1/2 "	12.70	7/8 "	22.2	31.75	21.59	23.1

## TUBE TO AN UNION



IMPERIAL										
PART No.	OD1 Imperial	AN Tube	Flare size	OD	F Hex		H	L	A	U Str. Thread
MICF/AN-U/1I-2T	1/16 "	1/8 "	3.17	1.27	7/16 "	11.1	23.36	27.18	8.64	5/16/2024
MICF/AN-U/2I-2T	1/8 "	1/8 "	3.17	1.52	7/16 "	11.1	25.65	32.26	12.70	5/16/2024
MICF/AN-U/2I-4T	1/8 "	1/4 "	6.35	2.28	1/2 "	12.7	28.44	35.05	12.70	7/16/2020
MICF/AN-U/4I-4T	1/4 "	1/4 "	6.35	4.31	1/2 "	12.7	30.22	37.59	15.24	7/16/2020
MICF/AN-U/6I-4T	3/8 "	1/4 "	6.35	4.31	5/8 "	15.9	32.25	39.62	16.76	7/16/2020
MICF/AN-U/6I-6T	3/8 "	3/8 "	9.52	7.11	5/8 "	15.9	32.25	39.62	16.76	9/16/2018
MICF/AN-U/8I-8T	1/2 "	1/2 "	12.70	9.90	13/16 "	20.6	35.8	45.96	22.86	3/4/2016
MICF/AN-U/12I-12T	3/4 "	3/4 "	19.05	15.49	1-1/8 "	28.6	43.18	53.34	24.38	1-1/16-12
MICF/AN-U/16I-16T	1	1	25.40	21.34	1-3/8 "	34.9	49.28	61.47	31.24	1-5/16-12

## TUBE TO AN- BULKHEAD UNION



IMPERIAL													
PART No.	OD1 Tube	AN Tube	Flare size	OD	F Hex	H	H1	L	L1	U Str. Thread	Panel Hole Drill size	Max Panel thickness	A
MICF/AN-BU/4I-4T	1/4 "	1/4 "	6.35	4.30	15.9	46.48	26.16	53.84	33.52	7/16/2020	11.50	10.16	15.2
MICF/AN-BU/6I-6T	3/8 "	3/8 "	9.52	7.11	19.1	49.78	29.46	57.15	36.83	9/16/2018	14.68	11.17	16.8
MICF/AN-BU/8I-8T	1/2 "	1/2 "	12.70	9.90	23.8	55.63	31.75	65.79	41.91	3/4/2016	19.45	12.70	22.9
MICF/AN-BU/12I-12T	3/4 "	3/4 "	19.05	15.49	30.2	68.83	37.34	78.99	47.5	1 1/16-12	25.80	16.76	24.4
MICF/AN-BU/16I-16T	1	1	25.40	21.33	41.3	80.26	45.21	92.46	57.4	1 5/16-12	33.73	19.05	31.2

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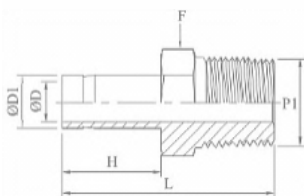
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## MALE ADAPTER

### Tube OD Imperial to NPT Male

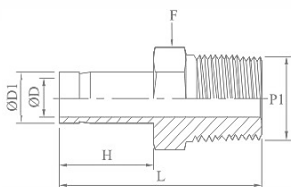


Option of BSP Threading available. Just add the required threading after the part number.  
E.g. MICF/MRT/2I-2T/BSP

TUBE (IMPERIAL) MALE PIPE							
PART NO.	OD1 Imperial	P1 NPTM	OD	F Hex		H	L
MICF/MA-TP/2I-2T	1/8 "	1/8 "	2.3	7/16 "	11.1	13.45	29.5
MICF/MA-TP/2I-4T	1/8 "	1/4 "	2.2	9/16 "	14.3	13.45	34.8
MICF/MA-TP/3I-2T	3/16 "	1/8 "	3.0	7/16 "	11.1	14.20	30.2
MICF/MA-TP/3I-4T	3/16 "	1/4 "	3.0	9/16 "	14.3	14.20	35.6
MICF/MA-TP/4I-2T	1/4 "	1/8 "	4.2	7/16 "	11.1	15.75	31.8
MICF/MA-TP/4I-4T	1/4 "	1/4 "	4.2	9/16 "	14.3	15.75	37.1
MICF/MA-TP/4I-6T	1/4 "	3/8 "	4.2	11/16 "	17.5	15.75	37.9
MICF/MA-TP/4I-8T	1/4 "	1/2 "	4.2	7/8 "	17.5	15.75	43.4
MICF/MA-TP/5I-2T	5/16 "	1/8 "	6.0	7/16 "	11.1	16.75	32.7
MICF/MA-TP/5I-4T	5/16 "	1/4 "	6.0	9/16 "	14.3	16.75	38.1
MICF/MA-TP/6I-2T	3/8 "	1/8 "	7.1	7/16 "	11.1	17.5	33.5
MICF/MA-TP/6I-4T	3/8 "	1/4 "	7.1	9/16 "	14.3	17.5	38.9
MICF/MA-TP/6I-6T	3/8 "	3/8 "	7.1	11/16 "	17.5	17.5	39.6
MICF/MA-TP/6I-8T	3/8 "	1/2 "	7.1	7/8 "	22.2	17.5	45.2
MICF/MA-TP/8I-4T	1/2 "	1/4 "	7.1	9/16 "	14.3	23.10	44.5
MICF/MA-TP/8I-6T	1/2 "	3/8 "	9.9	11/16 "	17.5	23.10	45.2
MICF/MA-TP/8I-8T	1/2 "	1/2 "	9.9	7/8 "	22.2	23.10	50.8
MICF/MA-TP/10I-6T	5/8 "	3/8 "	11.9	11/16 "	17.5	24.65	47.6
MICF/MA-TP/10I-8T	5/8 "	1/2 "	11.9	7/8 "	22.2	24.65	52.3
MICF/MA-TP/10I-12T	5/8 "	3/4 "	12.7	1-1/16 "	27.0	24.65	52.3
MICF/MA-TP/12I-8T	3/4 "	1/2 "	11.9	7/8 "	22.2	24.65	52.3
MICF/MA-TP/12I-12T	3/4 "	3/4 "	15.0	1-1/16 "	27.0	24.65	52.3
MICF/MA-TP/12I-16T	3/4 "	1	15.0	13/8 "	34.9	24.65	57.3
MICF/MA-TP/14I-12T	7/8 "	3/4 "	15.9	1-1/16 "	27.0	26.60	54.3
MICF/MA-TP/16I-12T	1	3/4 "	15.8	1-1/16 "	27.0	33.00	58.7
MICF/MA-TP/16I-16T	1	1	20.3	13/8 "	34.9	31.20	66.0

## MALE ADAPTER

### Tube OD Metric to NPT Male



Option of BSP Threading available. Just add the required threading after the part number.

E.g. MICF/MRT/2I-2T/BSP

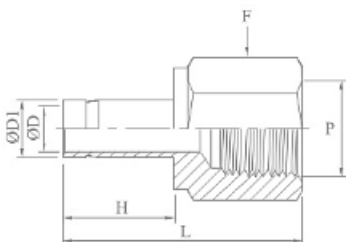
TUBE (METRIC) MALE PIPE							
PART No.	OD1 Metric	P1 NPTM	OD	F Hex		H	L
MICF/MA-TP/3M-2T	3	1/8 "	2.1	-	12	13.5	30.0
MICF/MA-TP/3M-4T	3	1/4 "	2.1	-	14	13.5	35.3
MICF/MA-TP/6M-2T	6	1/8 "	4.0	-	14	15.7	38.1
MICF/MA-TP/6M-6T	6	3/8 "	4.0	11/16 "	17.5	15.7	37.0
MICF/MA-TP/6M-8T	6	1/2 "	4.0	-	22	15.7	43.4
MICF/MA-TP/8M-2T	8	1/8 "	5.6	-	12	16.8	33.5
MICF/MA-TP/8M-4T	8	1/4 "	5.6	9/16 "	14.3	16.8	39.1
MICF/MA-TP/8M-8T	8	1/2 "	5.6	-	18	17.5	40.6
MICF/MA-TP/10M-8T	10	1/2 "	7.7	-	22	17.5	46.2
MICF/MA-TP/12M-4T	12	1/4 "	7.1	-	16	23.1	46.5
MICF/MA-TP/12M-6T	12	3/8 "	9.1	-	18	23.1	46.5
MICF/MA-TP/12M-8T	12	1/2 "	9.1	-	22	23.1	52.0
MICF/MA-TP/16M-8T	16	1/2 "	11.0	-	22	24.7	50.5
MICF/MA-TP/20M-12T	20	3/4 "	15.1	-	27	26.6	54.3



## FEMALE ADAPTER

### Tube OD Imperial to NPT Female

PART No.	OD1 Imperial	P NPTF	OD	F Hex	H	L
MICF/FA-TP/2I-2I	1/8 "	1/8 "	2.3	9/16 "	14.3	13.45
MICF/FA-TP/2I-4T	1/8 "	1/4 "	2.3	3/4 "	19.1	13.45
MICF/FA-TP/3I-4T	3/16 "	1/4 "	3.0	3/4 "	19.1	14.20
MICF/FA-TP/4I-2T	1/4 "	1/8 "	4.2	9/16 "	14.3	15.75
MICF/FA-TP/4I-4T	1/4 "	1/4 "	4.2	3/4 "	19.1	15.75
MICF/FA-TP/4I-6T	1/4 "	3/8 "	4.2	7/8 "	22.2	15.75
MICF/FA-TP/4I-8T	1/4 "	1/2 "	4.2	1-1/16 "	27.0	15.75
MICF/FA-TP/5I-4T	5/16 "	1/4 "	6.0	3/4 "	19.1	16.75
MICF/FA-TP/6I-2T	3/8 "	1/8 "	7.1	9/16 "	14.3	17.50
MICF/FA-TP/6I-4T	3/8 "	1/4 "	7.1	3/4 "	19.1	17.50
MICF/FA-TP/6I-6T	3/8 "	3/8 "	7.1	7/8 "	22.2	17.50
MICF/FA-TP/6I-8T	3/8 "	1/2 "	7.1	1-1/16 "	27.0	17.50
MICF/FA-TP/8I-4T	1/2 "	1/4 "	9.9	3/4 "	19.1	23.10
MICF/FA-TP/8I-6T	1/2 "	3/8 "	9.9	7/8 "	22.2	23.10
MICF/FA-TP/8I-8T	1/2 "	1/2 "	9.9	1-1/16 "	27.0	23.10
MICF/FA-TP/10I-8T	5/8 "	1/2 "	12.7	1-1/16 "	27.0	24.65
MICF/FA-TP/12I-8T	3/4 "	1/2 "	15.0	1-1/16 "	27.0	24.65
MICF/FA-TP/12I-12T	3/4 "	3/4 "	15.0	1-5/16 "	33.3	24.65
MICF/FA-TP/12I-16T	3/4 "	1	15.0	15/8 "	41.3	24.65
MICF/FA-TP/16I-12T	1	3/4 "	20.3	1-5/16 "	33.3	31.20
MICF/FA-TP/16I-16T	1	1	20.3	15/8 "	41.34	31.20



Option of BSP Threading available .Just add the required threading after the part number.  
E.g. MICF/MRT/2I-2T/BSP

## FEMALE ADAPTER

### Tube OD Metric to NPT Female

METRIC						
PART No.	OD1 Metric	P NPTF	OD	F Hex	H	L
MICF/FA-TP/3M-2T	3	1/8 "	2.1	14	13.5	31.5
MICF/FA-TP/3M-4T	3	1/4 "	2.1	19	13.5	31.5
MICF/FA-TP/4M^T	4	1/4 "	2.2	19	14.2	35.0
MICF/FA-TP/6M-2T	6	1/8 "	4.0	14	15.7	32.5
MICF/FA-TP/6M-4T	6	1/4 "	4.0	19	15.7	36.5
MICF/FA-TP/6M-6T	6	3/8 "	4.0	22	15.7	39.6
MICF/FA-TP/6M-8T	6	1/2 "	4.0	27	15.7	45.5
MICF/FA-TP/8M-2T	8	1/8 "	5.6	14	16.8	34.3
MICF/FA-TP/8M-4T	8	1/4 "	5.6	19	16.8	37.6
MICF/FA-TP/8M-8T	8	1/2 "	5.6	27	16.8	46.0
MICF/FA-TP/10M-4T	10	1/4 "	7.7	19	17.5	38.1
MICF/FA-TP/10M-6T	10	3/8 "	7.1	22	17.5	40.1
MICF/FA-TP/10M-8T	10	1/2 "	7.7	27	17.5	46.5
MICF/FA-TP/12M-4T	12	1/4 "	9.1	19	23.1	43.4
MICF/FA-TP/12M-6T	12	3/8 "	9.1	22	23.1	45.5
MICF/FA-TP/12M-8T	12	1/2 "	9.1	27	23.1	52.3
MICF/FA-TP/16M-6T	16	3/8 "	12.7	24	24.7	48.0
MICF/FA-TP/16M-8T	16	1/2 "	12.7	27	24.7	53.1
MICF/FA-TP/20M-8T	20	1/2 "	15.1	27	26.60	56.0
MICF/FA-TP/20M-12T	20	3/4 "	15.1	35	26.60	56.0



## **BULKHEAD LOCKNUT**

### **Tube OD Imperial to Stub OD Imperial**



IMPERIAL				
PART No.	Thread Tube	Tube OD	L	F Hex
MICF/BHN-T/1	10-30 "	1/16 "	0,13	5/16 "
MICF/BHN-T/2	5/16 -20"	1/8 "	0.19	1/2 "
MICF/BHN-T/3	3/8/20 "	3/16 "	0.22	9/16 "
MICF/BHN-T/4	7/16- 20 "	1/4 "	0.22	5/8 "
MICF/BHN-T/5	1/2 - 20"	5/16 "	0.23	11/16 "
MICF/BHN-T/6	9/16- 20 "	3/8 "	0.25	3/4 "
MICF/BHN-T/8	3/4 -20 "	1/2 "	0.28	15/16 "
MICF/BHN-T/10	7/8 -20 "	5/8 "	0.31	1-1/16 "
MICF/BHN-T/12	1 "-20	3/4 "	0.34	1-3/16 "
MICF/BHN-T/14	1-1/8 -20"	7/8 "	0.38	1-3/8 "
MICF/BHN-T/16	1-5/6 -20 "	1	0.38	1-5/8 "

## **BULKHEAD LOCKNUT**

### **Reducer SAE MS treaded**



IMPERIAL				
PART NO.	Thread SAF-Std	Tube OD	L	F Hex
MICF/BHN-ST/4	7/16- 20 "	1/4 "	0,28	11/16 "
MICF/BHN-ST/6	9/16- 18 "	3/8 "	0.27	13/16 "
MICF/BHN-ST/8	3/4 -16 "	1/2 "	0,31	1
MICF/BHN-ST/12	1-1/16-12	3/4 "	0.41	1-3/8 "
MICF/BHN-ST/16	1-1/16-12	1	0.41	1-5/8"

## **BULKHEAD LOCKNUT**

### **For fractional tube**

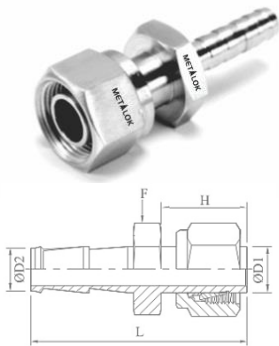


IMPERIAL				
PART NO.	Thread SAF-Std	Tube OD	L	F Hex
MICF/BHN-SAE/2&3	5/16/20"	2&3	4.8	13.00
MICF/BHN-SAE/4	3/8/20"	4	5.6	14.00
MICF/BHN-SAE/6	7/16/20"	6	5.6	16.00
MICF/BHN-SAE/8	1/2/20"	8	5.6	17.00
MICF/BHN-SAE/10	5/8/20"	10	6.4	21.00
MICF/BHN-SAE/12	3/4/20"	12	7.1	24.00
MICF/BHN-SAE/14.15&16	7/8/20"	14.15&16	7.9	27.00
MICF/BHN-SAE/18	1-20"	18	8.6	30.00
MICF/BHN-SAE/20&22	1-1/8-20	20&22	9.7	33.00
MICF/BHN-SAE/25	1-5/16-20	25	9.7	41.00



## HOSE TO TUBE COMPRESSION

for fractional tube OD imperial



IMPERIAL					
PART No.	OD1 Imperial	OD2 Hose Size	L	H	F Hex
MICF/HCT/4I	1/4 "	-4	1.77	0.72	7/16 "
MICF/HCT/6I	3/8 "	-6	1.98	0.78	9/16 "
MICF/HCT/8I	1/2 "	-8	2.42	1.03	11/16 "

## HOSE TO TUBE ADAPTER

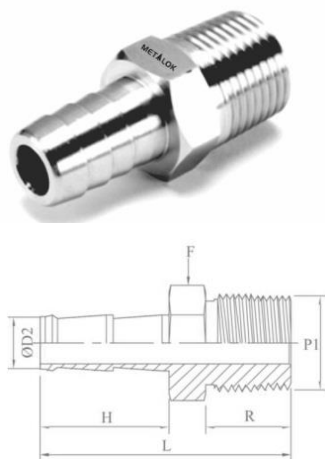
for fractional tube OD imperial



IMPERIAL					
PART No.	OD1 Imperial	OD2 Hose Size	L	H	F Hex
MICF/HTA/4I	1/4 "	-4	1.8	0.64	7/16 "
MICF/HTA/6I	3/8 "	-6	2.0	2.72	9/16 "
MICF/HTA/8I	1/2 "	-8	2.4	2.98	11/16 "

## HOSE TO MALE ADAPTER

for fractional tube OD Imperial



IMPERIAL						
PART No.	OD1 Imperial	OD2 Hose Size	L	H	R	F Hex
MICF/HMA/4I	1/4 "	-4	1.65	0.80	0.56	9/16 "
MICF/HMA/6I	3/8 "	-6	1.828	0.95	0.56	11/16 "
MICF/HMA/6I	1/2 "	-8	2.194	1.10	0.75	7/8 "

Dimensions are for reference only and subject to change without notice.

### Warning for Your Safety

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# Our Total customer satisfaction results in A True Partnership.



## CUSTOMER BASE

More than three decades of experience, expertise and dedication ensures world class quality and excellent performance of METALOK products resulted in establishing worldwide customer base.

## GRATITUDE

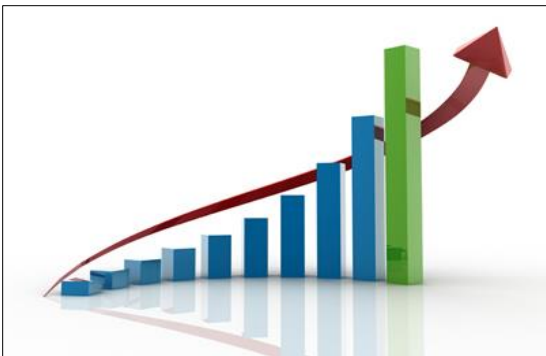
We at METALOK always appreciated and thankful to all our Valued Customers for undaunted support and faith reposed on us which motivates us to perform better all the time

## EDGE

Our in-house Design, manufacturing and Testing facilities only emphasizes that METALOK Fitting and Valves are one of the Best, versatile, safe, compatible, easy for installation and operation in Instrumentation, Hydraulic and Industrial applications.

## OUR GOAL

Our company's vision is to understand our customers requirements and meet them fully to their entire satisfaction by way of high quality, timely delivery, competitive price and prompt service.



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