METALOK INDUSTRIES™

(AN ISO 9001:2015, CE & PED CERTIFIED COMPANY)

COMPRESSION TUBE FITINGS

PRECISION INSTRUMENTATION FITTINGS

Precision-machined compression fittings ensuring strong grip, tight sealing, and dependable performance in demanding industrial applications.



LEAK-PROOF SEALING

PRECISION MACHINED

STRONG & RELIABLE

HIGH PRESSURE PERFORMANCE

1800 2099 630

+91 83692 90665 +91 98695 52950

sales@metalokindustries.com

www.metalokindustries.com

Unit No.21, Nikisha Industries Estate, western Express Highway, mira Road East, Thane 401 107, Maharashtra, INDIA.

PRECISELY ENGINEERED

RELIABLE PERFORMANCE

CERTIFIED QUALITY

BUILT FOR INDUSTRY

ABOUT US



Metalok Industries is a fast-growing manufacturing company driven by innovation, precision engineering, and technical expertise. We specialize in the design and manufacture of high-quality fittings and valves for Instrumentation, Hydraulic, and Precision Industrial applications.

Our products are widely used across critical industries including Oil & Gas, Chemical, Petrochemical, Nuclear, Power, Plant Engineering, Pharmaceutical, Marine, Packaging, Printing, and Aerospace. With a strong focus on reliability and performance, we deliver solutions that meet the most demanding operational requirements.

OUR STRENGTH



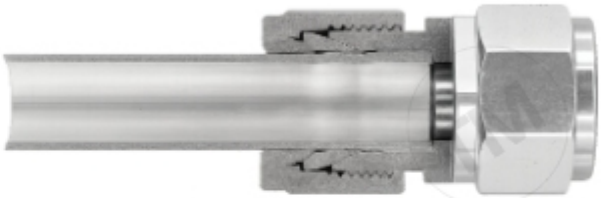
Our head office is ocated in Mumbai, supported by a modern manufacturing facility in Dahisar Maharashtra, spanning over 5,000 sq. ft.

The facility is equipped with advanced in-house infrastructure and world-class manufacturing capabilities.

Backed by a team of highly skilled and dedicated professionals, we ensure superior quality, operational efficiency, and continuous improvement helping us consistently exceed client expectations and move forward with momentum.

FEATURE

- Sizes range from 1/16" to 2" and 2 mm to 50 mm
- Diverse materials and configurations are available
- Precision machined components ensure perfect deformation of the ferrules and tubing
- Hardened threads with smooth surface finish avoid galling and help to extend the fitting service life
- Female nut threads are silver-plated to reduce the friction against the body threads
- Radius junction design for elbows provides smooth flow path
- Every fitting is marked with size, material and heat number
- Fittings are easy to disconnect and retighten

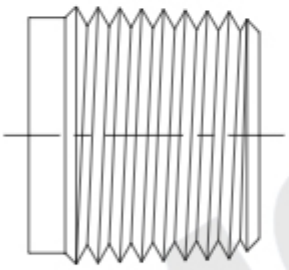


TECHNICAL DATA

Thread Ends

NPT Threads (NPT)

- Comply with ASME B1.20.1, SAE AS71051.



- ☐ 60° thread angle
- ☐ Pitch measured in inch
- ☐ Truncation of root and crest are parallel
- ☐ Taper 1:16
- ☐ Type of sealing: thread sealant

Thread Data

Thread Size	Thread/in.	Dia. at Reference Plane (mm)			Handtight Engagement	
		Max. Dia.	Pitch Dia.	Min. Dia.	(mm)	Threads
1/16	27	7.894	7.142	6.389	4.064	4.32
1/8		10.242	9.489	8.737	4.102	4.36
1/4	18	13.616	12.487	11.358	5.785	4.10
3/8		17.055	15.926	14.797	6.096	4.32
1/2	14	21.224	19.772	18.321	8.128	4.48
3/4		26.569	25.117	23.666	8.618	4.75
1	11.5	33.228	31.461	29.694	10.160	4.60
1 1/4		41.985	40.218	38.451	10.668	4.83
1 1/2		48.054	46.287	44.520	10.668	4.83
2		60.092	58.325	56.558	11.065	5.01

Working Pressures of NPT Thread Ends

Thread Size	316 Stainless Steel and Carbon Steel				Brass			
	Male		Female		Male		Female	
	psig	bar	psig	bar	psig	bar	psig	bar
1/16	11000	757	6700	460	5500	378	3300	227
1/8	10000	690	6500	447	5000	344	3200	220
1/4	8000	551	6600	454	4000	275	3300	227
3/8	7800	537	5300	365	3900	268	2600	179
1/2	7700	530	4900	337	3800	261	2400	165
3/4	7300	502	4600	316	3600	248	2300	158
1	5300	365	4400	303	2600	179	2200	151
1 1/4	6000	410	5000	344	3000	200	2500	172
1 1/2	5000	344	4600	317	2500	172	2300	158
2	3900	268	3900	268	1900	130	1900	130

Working pressure is based on ANSI/ASME B31.3 at ambient temperature.

WORKING PRESSURES

- The maximum working pressures of the tube ends at ambient temperature are determined by the maximum working pressure of the METALOK INDUSTRIES Tubing that is used. Refer to *Tubing* on F-02.
- The maximum working pressures of the thread ends at ambient temperature are stated as above.
- To get the maximum working pressure at elevated temperature, use the maximum working pressure at ambient temperature to multiply the factors in the table of Elevated Temperature Factors on F-14.
- The maximum working pressure of the whole fitting is determined by the end connection with the lowest pressure rating.

MATERIALS

Material	Bar Stock	Forging	Designator
316 stainless steel	ASTM A479, ASME SA479, EN 1.4401	ASTM A182, ASME SA182, EN 1.4401	SS
316L stainless steel	ASTM A479, ASME SA479, EN 1.4404	ASTM A182, ASME SA182, EN 1.4404	6L
304 stainless steel	ASTM A479, ASME SA479, EN 1.4301	ASTM A182, ASME SA182, EN 1.4301	S4
321 stainless steel	ASTM A479, ASME SA479, EN 1.4541	ASTM A182, ASME SA182, EN 1.4541	S1
316Ti stainless steel	ASTM A479, ASME SA479, EN 1.4571	ASTM A182, ASME SA182, EN 1.4571	6T
6Mo (S31254)	ASTM A479	ASTM A182	S12
904L stainless steel	ASTM A479	ASTM A182	904L
Titanium (grade 4)	ASTM B348	ASTM B381	TI
Duplex 2205	ASTM A479	ASTM A182	D5
Super duplex 2507	ASTM A479	ASTM A182	D7
Alloy 20	ASTM A479	ASTM B462	A20
Alloy 400	ASTM B164, ASME SB164	ASTM B564, ASME SB564	M
Alloy 600	ASTM B166, ASME SB166	ASTM B564, ASME SB564	INC
Alloy 625	ASTM B446	ASTM B564, ASME SB564	A65
Alloy 718	ASTM B637	ASTM B637	A78
Alloy 825	ASTM B425	ASTM B564	A85
Alloy C-276	ASTM B574	ASTM B564	HC
Carbon steel	ASTM A108	ASTM A105	CS
Brass	ASTM B16/B453	ASTM B283	B
Nylon	ASTM D4066	/	PA
PTFE	ASTM D1710	/	T

Note: Normal materials in boldface letter can be be supplied rapidly; other materials need make to order, for lead time please contact METALOK INDUSTRIES

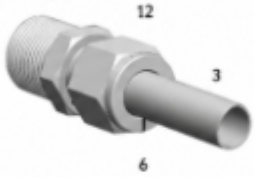
METALOK INDUSTRIES MAKE TUBE FITTINGS INSTALLATION INSTRUCTION

METALOK INDUSTRIES make tube fittings can be assembled and reassembled manny times without aecting the functions and efficiency of the joints. Folowing is step by step demonstration of the same.

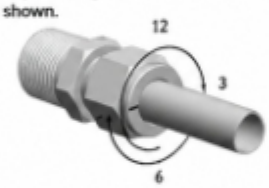
Assembly Instructions



1) Insert the tube in comft fitting till the face of tube in the fitting body as shown.



2) Tighten tut nut finger tight and scribe the nut at 6 o'clock position as shown.
For **high pressure application** and to consider **high safety factor** tighten the nut until the tube does not turn by hand or move axially in fitting and then mark the nut at 6 O'clock position as shown.



3) Hold fitting body steady, tighten the nut 1-1/4 turn from finger tight for fitting size in fraction 1/2" to 1" in Metric 6MM to 25MM and 3/4 turn from finger tight for fitting size in Fraction 1/16" to 3/16" in Matric 2MM to 4MM

4) Never turn the fitting body. Instead, hold the fitting body and turn the nut.

Re-assembly Instructions



1) Prior to dis assembly mark a line along the nut and fitting body flats as shown. Make sure that the fitting body and tube assembly are free from contamination or damages.



2) Insert the tube assembly into the fitting body until the front ferrule seats firmly. Assemble the tube and nut to finger tight position.



3) Rotate the nut till previously marked position is reached. Further the nut should be rotated until signification rise in torque is felt to ensure the assembly is positively sealed.

CAUTIONS

1. Do not loosen or tighten fittings when the system is pressurized.
2.Make sure that the tubing rests firmly on the shoulder of the port.
3.Always leave enough straight length of the tubing for the fittings.
4.Always use an insert for extremely soft plastic tubing.
5.Material of the metal tubing should be softer than that of the fitting. For example, stainless steel tubing should not be used with brass fittings. When tubing and fittings are made of the same material, the tubing must be fully annealed.
6.The allowable working pressure of the tube fitting is rated to the maximum working pressure of the corresponding tubing, which can be found in **METALOK INDUSTRIES** tubing data sheet. For those which can not be found in **METALOK INDUSTRIES** tubing data sheet, please contact **METALOK INDUSTRIES** or our authorized distributors for related information.
7.Keep the tubing end and surface clean and smooth.
8.Always use proper thread sealants on tapered pipe threads. Make sure that its working temperature does not exceed that of the sealants.
9.When assembling the tube fitting, hold the body with a wrench and turn the nut instead of holding the nut.
10. When installing a valve with tube fitting end, hold the valve body with a wrench and turn the nut.
11. When assembling the fitting to a valve with thread, hold the valve body with a wrench and turn the body of the fitting.
12. Gap Inspection Gauge is ONLY accurate for initial installation by manual operation.

FRONT FERRULE (Tube OD) 	**BACK FERRULE** (Tube OD) 	**NUT** (Tube OD) 	**TUBE INSERT** (Tube OD X Tube OD) 
UNION (OD Tube Imperial) 	**REDUCING UNION** (OD Tube Imperial) 	**UNION ELBOW** (OD Tube Imperial) 	**UNION T** (OD Tube 
CROSS UNION (OD Tube Imperial) 	**MALE CONNECTOR NPT** (OD Tube Imperial X NPT Male Pipe Thread) 	**MALE CONNECTOR NPT** (OD Tube Imperial X NPT Male Pipe Thread) 	**MALE CONNECTOR BSP** (Tube OD METRIC X ISO Parallel Thread BSP) 
MALE CONNECTOR BSP Imperial Tube OD X ISO Tapered Thread (BSP) 	**MALE CONNECTOR BSPT** Imperial Tube OD X ISO Tapered Thread (BSPT) 	**MALE CONNECTOR SAE** Imperial Tube OD X SAE/UNF STRAIGHT THREAD BOSS 	**MALE CONNECTOR O SEAL** O SEAL NPT TAPERED THREAD 
MALE CONNECTOR O SEAL Male UNF Thread 	**WELD CONNECTOR** Male Pipe 	**TUBE SOCKET WELD Union** Tube OD Imperial X Weld 	**MALE PIPE WELD ELBOW** Tube OD Imperial X Weld 
TUBE SOCKET WELD ELBOW Tube OD Imperial X Weld 	**MALE ELBOW Tube** OD Imperial X NPT Male 	**MALE ELBOW BSP** Metric OD X BSPT Thread 	**MALE ELBOW NPT Tube** OD Metric X NPT M 
MALE RUN TEE Tube OD X NPT Male 	**MALE BRANCH TEE** Tube OD Imperial X NPT Male 	**FEMALE CONNECTOR** Tube OD Imperial X NPT Female 	**FEMALE CONNECTOR** Tube OD Metric X NPT Female 

FEMALE CONNECTOR
Tube OD Metric to Female ISO/BSPT Thread



FEMALE CONNECTOR
Tube OD Metric to Female ISO/BSPT Thread



FEMALE ELBOW
Tube OD Imperial X Female NPT



FEMALE RUN TEE
Tube OD Imperial X NPT Female



FEMALE BRANCH TEE
Tube OD Imperial X NPT Female



BULKHEAD UNION
Tube OD



BULKHEAD REDUCER
Tube OD Imperial



BULKHEAD MALE CONNECTOR
Tube OD X NPT Male



BULKHEAD FEMALE CONNECTOR
Tube OD Imperial X NPT Female



CAP - END OF TUBE
Tube OD



PLUG – PLUGGING
Tube OD



REDUCER
TUBE (INCH) TO STUB (INCH)



REDUCER
TUBE (METRIC) TO STUB (INCH)



REDUCING PORT CONNECTOR Tube OD



PORTS CONNECTOR COMPRESSION
TUBE PORTS CONNECTOR (IMPERIAL)



HOSE TO PORT CONNECTOR
for fractional tube



TUBE TO AN ADAPTER



WELD CONNECTOR
Male Pipe



TUBE TO AN-BULKHEAD UNION



MALE ADAPTER
Tube OD Imperial to NPT Male



MALE ADAPTER
Tube OD Metric to NPT Male



FEMALE ADAPTER
Tube OD Imperial to NPT Female



BULKHEAD LOCKNUT
Tube OD Imperial to Stub OD Imperial



BULKHEAD LOCKNUT
Reducer SAE MS thread



BULKHEAD LOCKNUT
For fractional tube



HOSE TO TUBE COMPRESSION For Fractional Tube OD Imperial



HOSE TO TUBE ADAPTER
For Fractional Tube OD Imperial

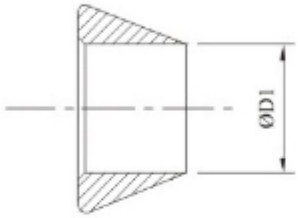


HOSE TO MALE ADAPTER
For Fractional Tube OD Imperial



FRONT FERRULE (Tube OD)





PART No.	0D1 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.	0D1 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

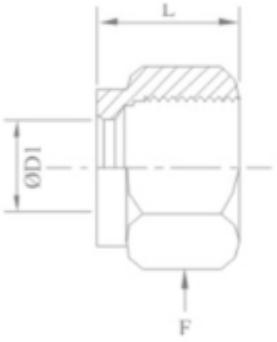
BACK FERRULE (Tube OD)



PART No.	0D1 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

NUT (Tube OD

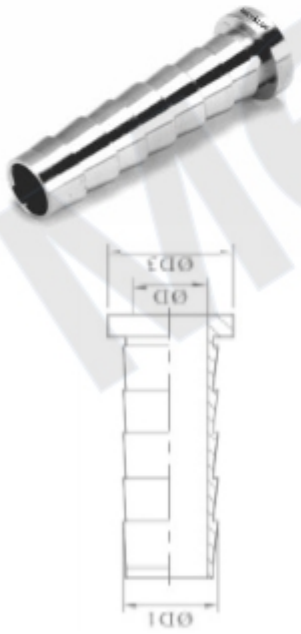




IMPERIAL			
PART No.	0D1 Imperial	F Hex	L Inch
MICF/FN/1I	1/16 "	5/16 "	0.31
MICF/FN/2I	1/8 "	7/16 "	0.47
MICF/FN/3I	3/16 "	1/2 "	0.47
MICF/FN/4I	1/4 "	9/16 "	0.50
MICF/FN/5I	5/16 "	5/8 "	0.53
MICF/FN/6I	3/8 "	11/16 "	0.56
MICF/FN/8I	1/2 "	7/8 "	0.69
MICF/FN/10I	5/8 "	1	0.69
MICF/FN/12I	3/4 "	1-1/8 "	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.	0D1 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

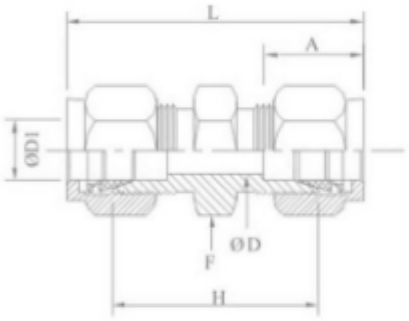
TUBE INSERT (Tube OD X Tube OD)



IMPERIAL						
PART No.	0D3		0D 1 Tube		0D	
	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

METRIC			
Part No.	OD3 Metric	0D1 Tube	0D
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





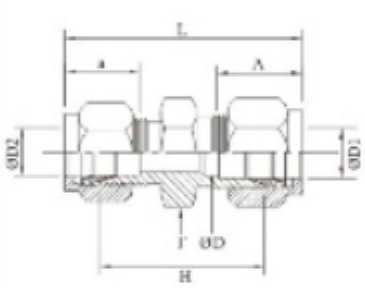
UNION (OD Tube Imperial)

PART No.	OD1 Imperial	0D	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 "	0.5O	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.	0D1 Metric	0D	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.O	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





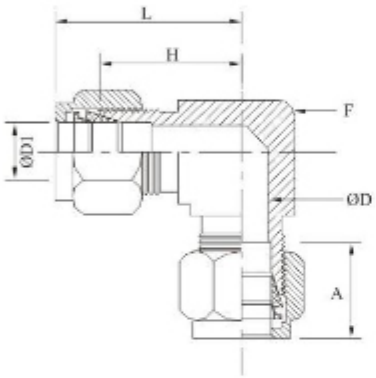
REDUCING UNION (OD Tube Imperial)

PART No.	0D1 mm	0D2 mm	0D 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.	0D1 mm	0D2 mm	0D 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





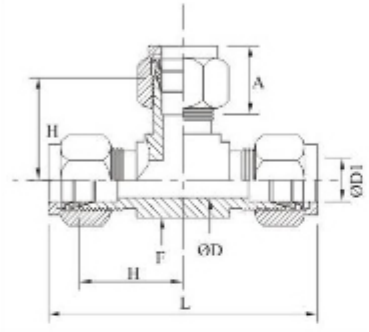
UNION ELBOW (OD Tube Imperial)

PART No.	0D1 Imperial	0D	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 "	0.5O	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.	0D1 Imperial	0D	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





UNION TEE (OD Tube Imperial)

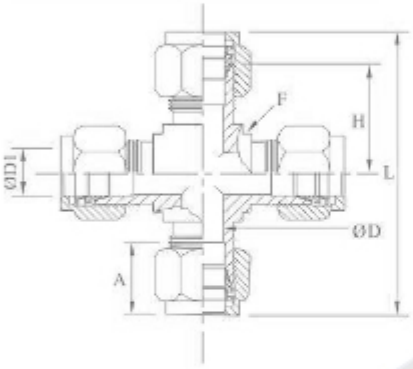
PART No.	0D1 Imperial	0D	F Hex	A Inch	L Inch	H mm
MICF/UT/1 I	1/16 "	0.05	1/2 "	0.34	1.4	14.00
MICF/UT/2 I	1/8 "	0.09	1/2 "	0.50	1.76	15.74
MICF/UT/3I	3/16 "	0.12	1/2 "	0.54	1.92	17.78
MICF/UT/4 I	1/4 "	0.19	1/2 "	0.6O	2.12	19.55
MICF/UT/5 I	5/16 "	0.25	5/8 "	0.64	2.34	21.33
MICF/UT/6 I	3/8 "	0.28	5/8 "	0.66	2.40	23.11
MICFAJT/8 I	1/2 "	0.41	13/16 "	0.90	2.84	25.9o
MICF/UT/10 I	5/8 "	0.50	1	0.96	3.06	28.7o
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.	0D1 Metric	0D	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

UNION CROSS (OD Tube Imperial)





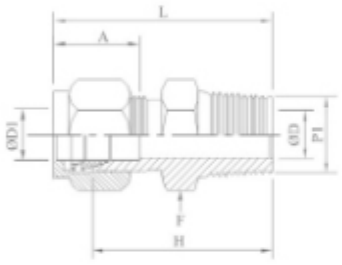
IMPERIAL						
PART No.	0D1 Imperial	0D	F Hex	A Inch	L Inch	H mm
MICF/UC/2 I	1/8 "	0.09	5/8 "	0.50	1.76	15.74
MICF/UC/4 I	1/4 "	0.19	5/8 "	0.80	2.12	19.55
MICF/UC/5 I	5/16 "	0.25	5/8 "	0.64	2.34	21.33
MICF/UC/6 I	3/8 "	0.28	11/16 "	0.66	2.40	23.11
MICF/UC/8 I	1/2 "	0.41	7/8 "	0.90	2.84	25.90
MICF/UC/12 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.	0D1 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

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



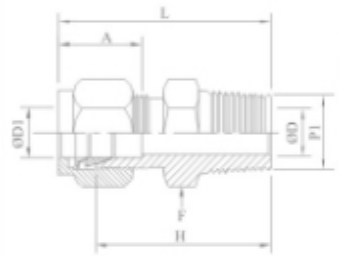


IMPERIAL							
PART No.	0D1 Imperial	P1 NPTM	0D	F Hex	A inch	L inch	H mm
MICF/MC/1I-1T	1/16 "	1/16 "	0.5	5/16 "	0.34	0.94	20.00
MICF/MC/1I-2T	1/16 "	1/8 "	0.5	7/16 "	0.34	1.03	22.35
MICF/MC/1I-4T	1/16 "	1/4 "	0.5	9/16 "	0.34	1.22	27.17
MICF/MC/2I-1T	1/8 '	1/16"	0.9	7/16"	0.5	1.17	23.11
MICF/MC/2I-2T	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

MALE CONNECTOR NPT

(OD Tube Imperial X NPT Male Pipe Thread)



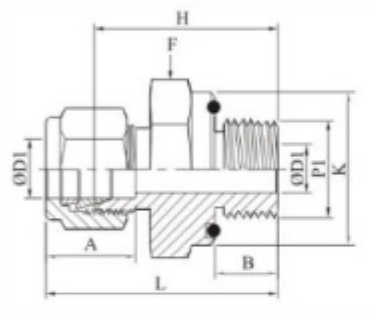


METRIC							
PART No.	Metric OD	P1 NPTM	OD	F Hex	A mm	L mm	H mm
MICF/MC/2M-2T	2	1/8 "	1.7	11	12.9	30.5	23.9
MICF/MC/3M-2T	3	1/8 "	2.4	11	12.9	30.5	23.0
MICF/MC/3M-4T	3	1/4 "	2.4	14	12.9	35.6	29.O
MICF/MC/4M-2T	4	1/8 "	2.4	12	13.7	31.2	24.6
MICF/MC/4M-4T	4	1/4 "	2.4	14	13.7	36.3	29.7
MICF/MC/6M-2T	6	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.O
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.O

MALE CONNECTOR BSP

(TUBE OD METRIC X ISO parallel thread BSP)



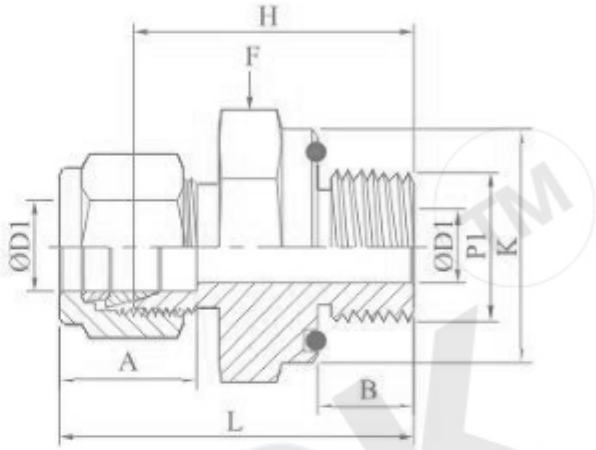


METRIC									
PART No.	OD METRIC	P1 BSPPM	0D	K	F Hex	H	B	L	A
MICF/MC/1P/2M-2T	2	G-1/8	1.7	13.8	14	23.4	7.1	30,0	12.9
MICF/MC/1P/3M-2T	3	G-1/8	2.4	13.8	14	23.4	7.1	30,0	12.9
MICF/MC/1P/3M-4T	3	G-1/4	2.4	18.0	19	28.7	11.2	35.3	12.9
MICF/MC/1P/4M-2T	4	G-1/8	2.4	13.8	14	24.1	7.1	30.7	13.7
MICF/MC/IP/6M-2T	6	G-1/8	4.o	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.o	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.o	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

MALE CONNECTOR BSP

(Imperial Tube OD X ISO tapered thread BSP



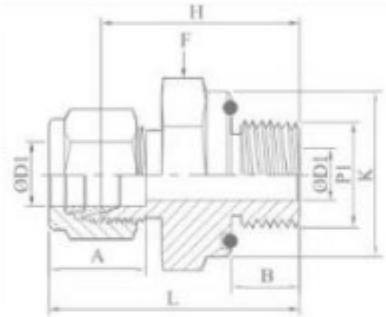


P1										
PART No.	OD1 Imperial	BSPP M	OD	K	F Hex		H	B	L	A
MICF/MC/IP/2I-2T	1/8 "	1/8 "	2.30	13.80	9/16 "	14.3	23.40	7.10	30.00	12.70
MICF/MC/IP/2I-4T	1/8 "	1/4 "	2.30	18.00	3/4 "	19.1	28.70	11.20	35.30	12.70
MICF/MC/IP/2I-6T	1/8 "	3/ 8 "	2.30	21.80	7/8 "	22.2	29.72	11.20	37.00	12.70
MICF/MC/IP/2I-8T	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

MALE CONNECTOR BSPT

Imperial Tube OD X ISO tapered thread (BSPT)





IMPERIAL								
PART No.	OD1 Imperial	P1 BSPTM	OD	F Hex		H	L	A
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/IT76I-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

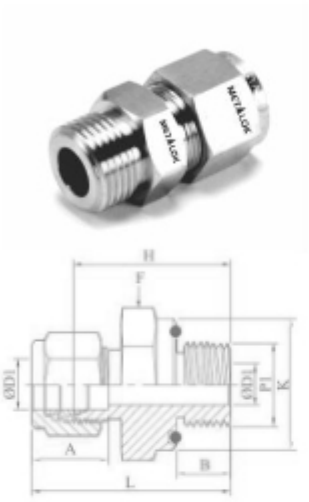
MALE CONNECTOR BSPT

Metric Tube OD X ISO tapered thread (BSPT)

METRIC							
PART No.	OD1 Metric	P1 BSPTM	OD	F Hex	H	L	A
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.o	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.o	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.o	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.o	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.o	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.o
MICF/MC/IT/20M-12T	20	R-3/4	15.9	30	42.2	52.3	26.o
MICF/MC/1T/22M-12T	22	R-3/4	15.9	30	42.2	52.3	26.o
MICF/MC/n722M-16T	22	R-1	18.3	35	47.o	57.1	26.o
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.o	62.3	31.3

MALE CONNECTOR SAE

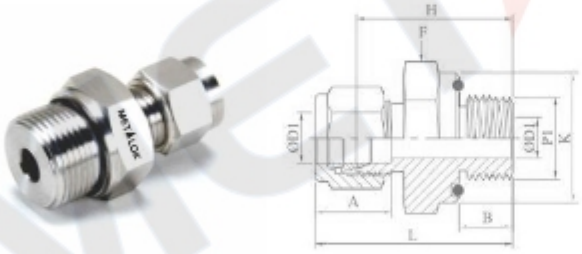
Imperial Tube OD X SAE/MS STRAIGHT THREAD BOSS



IMPERIAL									
PART NO.	0D1 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/SAE0/4I-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/SAE0/6I-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/SAE0/8I-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

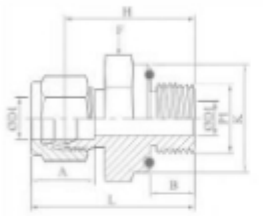


IMPERIAL										
PART No.	0D1 Imperial	P1-NPT Short	OD	K	F HEX		H	B	L	A
MICF/MC/NO/2I-2T	1/8 "	1/8 "	2.28	18.79	3/4 "	19.1	26.16	7.11	32.76	12.70
MICF/MC/NO/4I-2T	1/4 "	1/8"	4.82	18.79	3/4"	19.1	27.70	7.11	35.05	15.24
MICF/MC/NO/4I-4T	1/4 "	1/4 "	4.82	23.62	15/16 "	23.8	31.00	9,65	38.40	15.24
MICF/MC/NO/6I-4T	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

MALE CONNECTOR

O Seal Male UNF Thread

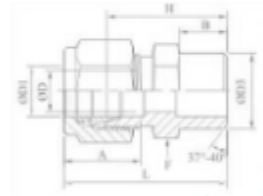




IMPERIAL										
PART No.	OD1 Imperial	P1 T-UNF	OD	K	F HEX		H	B	L	A
MICF/MC/UNO/1I-5U-24	1/16 "	5/16 "-24	1,27	14.0	9/16 "	14.3	22.86	8.63	26.67	8,63
MICF/MC/UN0/2I-5U-24	1/8 "	5/16 "-24	2.28	14.0	9/16 "	14.3	26.20	8.63	32.77	12.7
MICF/MC/UN0/3I-6U-24	3/16 "	3/8 "-24	3.04	15.75	5/8 "	15.9	27.70	9.65	34.29	13.72
MICF/MC/UN0/4I-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/5I-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/UN0/6I-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/UN0/8I-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/12I-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/16I-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





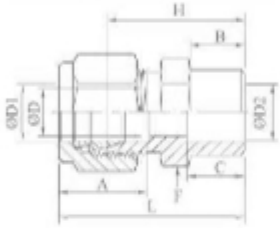
IMPERIAL										
PART No.	0D1 Imperial	0D3 Pipe Size		OD	F Hex		H	B	L	A
MICF/MPWC/2I-2W	1/8 "	1/8 "	10.30	2.28	7/16 "	11.1	23.88	9.65	30.48	12.70
MICF/MPWC/3I-2W	3/16 "	1/8 "	10.30	3.04	7/16 "	11.1	24.60	9.65	31.25	13.72
MICF/MPWC/4I-2W	1/4 "	1/8 "	10.30	4.82	1/2 "	12.7	25.40	9.65	32.77	15.24
MICF/MPWC/4I-4W	1/4 "	1/4 "	13.70	4.82	9/16 "	14.3	30.22	14.22	37.59	15.24
MICF/MPWC/5I-2W	5/16 "	1/8 "	10.30	5.08	9/16 "	14.3	26.67	9.65	34.04	16.25
MICF/MPWC/5I-4W	5/16 "	1/4 "	13.70	6.35	9/16 "	14.3	31.24	14.22	38.61	16.25
MICF/MPWC/6I-4W	3/8 "	1/4 "	13.70	7.11	5/8 "	15.9	32.51	14.22	39.87	16.76
MICF/MPWC/6I-6W	3/8 "	3/8 "	17.10	7.11	11/16 "	17.5	32.51	14.22	39.87	16.76
MICF/MPWC/6I-8W	3/8 "	1/2 "	21.34	7.11	7/8 "	22.2	38.86	19.05	46.22	16.76
MICF/MPWC/8I-6W	1/2 "	3/8 "	17.10	10.41	13/16 "	20.6	33.27	14.22	44.43	22.86
MICF/MPWC/8I-8W	1/2 "	1/2 "	21.34	10.41	7/8 "	22.2	38.86	19.05	49.00	22.86
MICF/MPWC/8I-12W	1/2 "	3/4 "	26.67	10.41	1-1/16"	27.0	40.40	19.05	50.55	22.86
MICF/MPWC/10I-8W	5/8 "	1/2 "	21.34	12.70	15/16 "	23,8	38.86	19.05	49.02	24.38
MICF/MPWC/12I-12W	3/4 "	3/4 "	26.67	15.74	1-1/16 "	27.0	40.40	19.05	50.55	24.38
MICF/MPWC/16I-16W	1	1	33.4	22.35	13/8 "	34.9	50.03	23.87	62.23	31.24

METRIC									
PART No.	0D1 Imperial	0D3 Pipe Size		OD	F Hex	H	B	L	A
MICF/MPWC/3M-2W	3	1/8 '	10.3o	2.4	12	23.1	9.7	30.5	12.9
MICF/MPWC/4M-2W	4	1/8 "	10.3o	2.4	12	24.1	9.7	31.2	13.7
MICF/MPWC/6M-2W	6	1/8 "	10.3o	4.8	14	25.4	9.7	32.8	15.3
MICF/MPWC/6M-4W	6	1/4 "	13.7o	4.8	14	30.2	14.2	37.9	15.3
MICF/MPWC/8M-2W	8	1/8 "	10.3o	5.1	15	26.7	9.7	34.2	16.2
MICF/MPWC/8M-4W	8	1/4 "	13.7o	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.o	45.6	16.2
MICF/MPWC/10M-4W	10	1/4 "	13.7o	7.1	18	33.3	14.2	40.9	17.2
MICF/MPWC/10M-6W	10	3/8 "	17.1o	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.o	46.5	17.2
MICF/MPWC/12M-4W	12	1/4 "	13.7o	7.1	22	33.3	14,2	43.4	22.8
MICF/MPWC/12M-6W	12	3/8 "	17.1o	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.o	49.O	22.8
MICF/MPWC/15M-8W	15	1/2 "	21.34	11.9	24	38.9	19.o	49.O	24.4
MICF/MPWC/16M-8W	16	1/2 "	21.34	12.7	24	38.9	19.o	49.O	24.4
MICF/MPWC/18M-8W	18	1/2 "	21.34	13.5	27	40.4	19.o	50.5	24.4

TUBE SOCKET WELD UNION

Tube OD Imperial X Weld



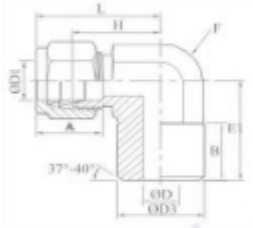


IMPERIAL										
PART No.	OD1 Imperial	OD	OD2	F Hex		H	B	L	C	A
MICF/TSWU/2I-2W	1/8 "	2.28	7.87	7/16 "	11.1	22.35	8.64	28.96	6.35	12.70
MICF/TSWU/4I-4W	1/4 "	4.80	11.18	1/2 "	12.7	26.16	10.41	33.54	7.90	15.20
MICF/TSWU/6I-6W	3/8 "	7.10	15.75	5/8 "	15.9	30.23	11.94	37.60	9.65	16.80
MICF/TSWU/8I-8W	1/2 "	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



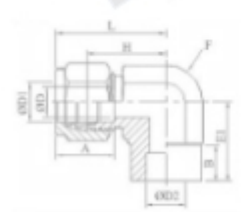


IMPERIAL											
PART No.	OD1 Tube	OD3 Pipe Size		OD	F HEX		H	B	L	E1	A
MICF/MPWE/4I-2W	1/4 "	1/8 "	10.30	4.82	1/2 "	12.7	19.56	7.65	26.92	18.80	15.24
MICF/MPWE/4I-4W	1/4 "	1/4 "	13.70	4.82	1/2 "	12.7	19.56	14.22	26.92	23.37	15.24
MICF/MPWE/6I-4W	3/8 "	1/4 "	13.70	7.11	5/8 "	15.9	23.11	14.22	30.48	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



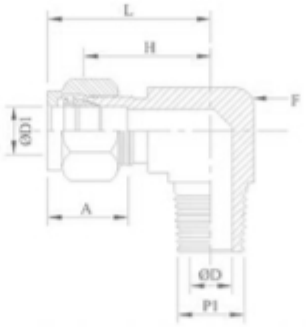


IMPERIAL										
PART No.	OD1 Imperial	OD2	OD	F Hex		H	L	E1	B	A
MICF/TSWE/4I-4W	1/4 "	1/4 "	4.82	1/2 "	12.7	19.60	26.98	19.60	7.87	15.24
MICF/TSWE/6I-6W	3/8 "	3/8 "	7.11	5/8 "	15.9	23.11	30.98	23.11	9.65	16.76
MICF/TSWE/8I-8W	1/2 "	1/2 "	10.41	13/16 "	20.6	25.90	36.06	25.90	12.70	22.86

MALE ELBOW

Tube OD Imperial X NPT Male



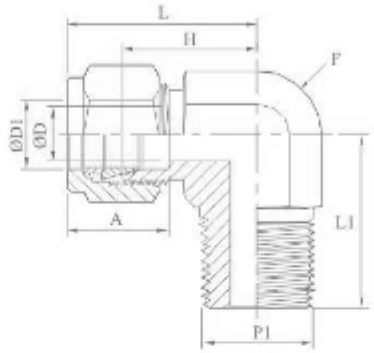


IMPERIAL							
PART No.	0D1 Imperial	P1 NPTM	0D	F Hex	A Inch	L Inch	H mm
MICF/ME/1I-1T	1/16 "	1/16 "	0.05	9/16 "	0.34	0.75	15.24
MICF/ME/1I-2T	1/16 "	1/8 "	0.05	9/16 "	0.34	0.75	15.24
MICF/ME/2I-1T	1/8 "	1/16 "	0.09	9/16 "	0.50	0.93	18.30
MICF/ME/2I-2T	1/8 "	1/8"	0.09	9/16 "	0.50	0.93	18.30
MICF/ME/2I-4T	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

MALE ELBOW BSP

Metric OD X BSP/R Thread



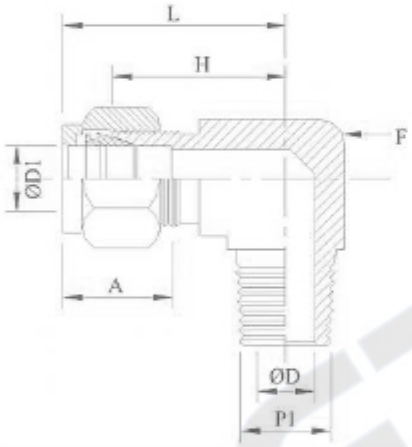


METRIC									
PART No.	OD1 Metric	P1 BSPTM	0D	F Hex		H	L	L1	A
MICF/ME/IT/3M-2T	3	R-1/8	2.4	7/16 "	11.1	17.0	23.6	17.8	12.9
MICF/ME/IT/3M-4T	3	R-1/4	2.4	1/2 "	12.7	18.0	24.6	23.4	12.9
MICF/ME/IT/4M-2T	4	R-1/8	2.4	1/2 "	12.7	18.8	25.4	18.8	13.7
MICF/ME/IT/4M-4T	4	R-1/4	2.4	1/2 "	12.7	18.8	25.4	23.4	13.7
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.O	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

MALE ELBOW NPT

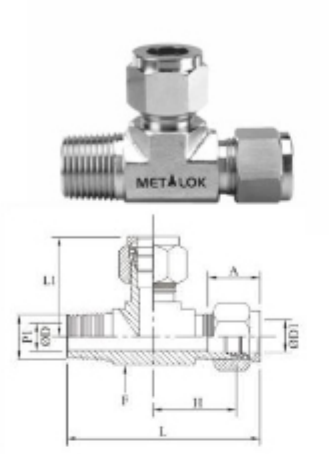
Tube OD Metric X NPT M





METRIC							
PART No.	0D1 Metric	P1 NPTM	0D	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

MALE RUN TEE Tube OD X NPT Male

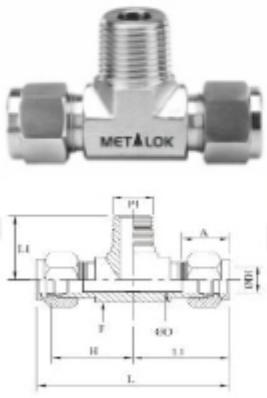


IMPERIAL								
PART No.	OD1 Imperial	P1 NPTM	OD	F Hex	A Inch	L1 Inch	L Inch	H mm
MICF/MRT/2I-2T	1/8 "	1/8 "	0.09	7/16 "	0.5o	0.93	1.63	18.3O
MICF/MRT/2I-4T	1/8 "	1/4 "	0.09	1/2 "	0.5o	0.97	1.89	18.3O
MICF/MRT/3I-2T	3/16 "	1/8 "	0.12	7/16 "	0.54	0.96	1.66	18.79
MICF/MRT/4I-2T	1/4 "	1/8 "	0.19	1/2 "	0.6o	1.06	1.8O	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	1.2O	2.2O	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	25.9O
MICF/MRT/8I-8T	1/2 "	1/2 "	0.41	13/16 "	0.9o	1.42	2.72	25.9O
MICF/MRT/10I-8T	5/8 "	1/2 "	0.47	15/16 "	0.96	1.5O	2.88	27.9O
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.O	45.8	27
MICF/MRT/6M-4T	6	1/4 "	4.8	12.7	15.3	27.O	50.3	27
MICF/MRT/8M-4T	8	1/4 "	6.4	14.O	16.2	29.9	55.3	21.3
MICF/MRT/12M-4T	12	1/4 "	7.1	20.6	22.8	36.O	64.2	25.9
MICF/MRT/12M-8T	12	1/2 "	9.5	20.6	22.8	36.O	69.O	25.9
MICF/MRT/16M-8T	16	1/2 "	11.9	23.8	24.4	38.O	73.1	27.9

MALE BRANCH TEE
Tube OD imperial X NPT Male



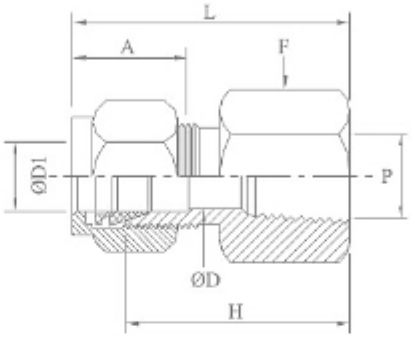
IMPERIAL								
PART No.	OD1 Imperial	P1 NPTM	OD	F Hex	A Inch	L1 Inch	L Inch	H mm
MICF/MBT/2I-2T	1/8 "	1/8 "	0.09	7/16 "	0.5O	0.7O	1.86	18,30
MICF/MBT/2I-4T	1/8 "	1/4 "	0.09	1/2 "	0.5O	0.92	1.94	18,30
MICF/MBT/3I-2T	3/16 "	1/8 "	0.12	7/16 "	0.54	0.7O	1.92	18.79
MICF/MBT/4I-2T	1/4 "	1/8 "	0.19	1/2 "	0.6O	0.74	2.12	19.55
MICF/MBT/4I-4T	1/4 "	1/4 "	0.19	1/2 "	0.6O	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.OO	2.4O	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 "	0.9O	1.11	2.84	25.9O
MICF/MBT/8I-8T	1/2 "	1/2 "	0.41	13/16 "	0.9O	1.3O	2.84	25.9O
MICF/MBT/10I-8T	5/8 "	1/2 "	0.47	1	0.96	1.41	3.06	27.9O
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

FEMALE CONNECTOR

Tube OD Imperial X NPT Female

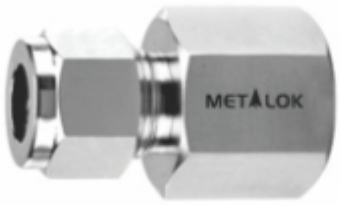


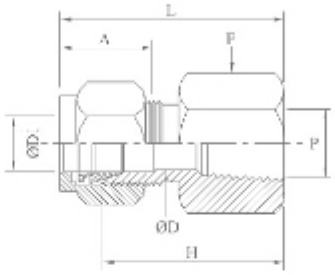


IMPERIAL							
PART No.	0D1 Imperial	P NPTF	OD	F Hex	A Inch	L Inch	H mm
MICF/FC/1I-1T	1/16 "	1/16 "	0.05	7/16 "	0.34	0.93	20.6
MICF/FC/1I-2T	1/16 "	1/8 "	0.05	9/16 "	0.34	0.96	20.6
MICF/FC/2I-2T	1/8 "	1/8 "	0.09	9/16 "	0.50	1.13	23.08
MICF/FC/2I-4T	1/8 "	1/4 "	0.09	3/4 "	0.50	1.32	28.2
MICF/FC/3I-2T	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

FEMALE CONNECTOR

Tube OD Metric X NPT Female



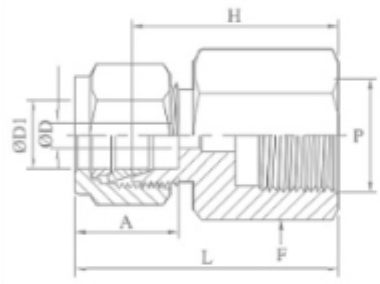


METRIC							
PART No.	0D1 Metric	P NPTF	0D	F Hex	A mm	L mm	H mm
MICF/FC/3M-2T	3	1/8 "	2.4	14	12.9	28.7	22.1
MICF/FC/3M-4T	3	1/4 "	2.4	19	12.9	33.5	26.9
MICF/FC/4M-2T	4	1/8 "	2.4	14	13.7	29.7	23.1
MICF/FC/6M-2T	6	1/8 "	4.8	14	15.3	31.3	23.9
MICF/FC/6M-4T	6	1/4 "	4.8	19	15.3	35.8	28.4
MICF/FC/6M-6T	6	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.o	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.o
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.o
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.o	47.9	37.8
MICF/FC/20M-12T	20	3/4 "	15.9	35	26.o	49.7	39.6
MICF/FC/22M-12T	22	3/4 "	18.3	35	26.o	49.7	39.6
MICF/FC/22M-16T	22	1	18.3	41	26.o	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

FEMALE CONNECTOR

Tube OD Metric to Female ISO/BSPT Thread



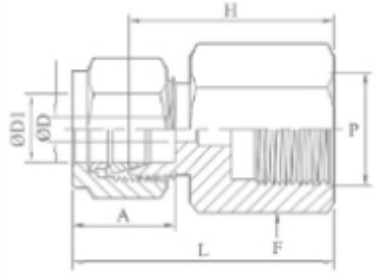


METRIC							
PART No.	0D1 Metric	P BSPTF	0D	F Hex	H	L	A
MICF/FC/IT/3M-2T	3	R-1/8	2.4	14	22.1	28.7	12.9
MICF/FC/IT/6M-2T	6	R-1/8	4.8	14	23.9	31.3	15.3
MICF/FC/IT/6M-4T	6	R-1/4	4.8	19	28.4	35.8	15.3
MICF/FC/IT/6M-6T	6	R-3/8	4.8	22	30.2	37.6	15.3
MICF/FC/IT/6M-8T	6	R-1/2	4.8	27	35.1	42.5	15.3
MICF/FC/IT/8M-2T	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.O	16.2
MICF/FC/IT/8M-6T	8	R-3/8	6.4	22	31.O	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.O	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.O	22.8
MICF/FC/IT/15M-67	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.O
MICF/FC/IT/20M-12T	20	R-3/4	15,9	35	39.6	49.7	26.O
MICF/FC/IT/22M-12T	22	R-3/4	18,3	35	39.6	49.7	26.O
MICF/FC/IT/22M-16T	22	R-1	18,3	41	47.8	57.9	26.O
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.O	62.3	31.3

FEMALE CONNECTOR

Tube OD Metric to Female ISO/BSPP Thread

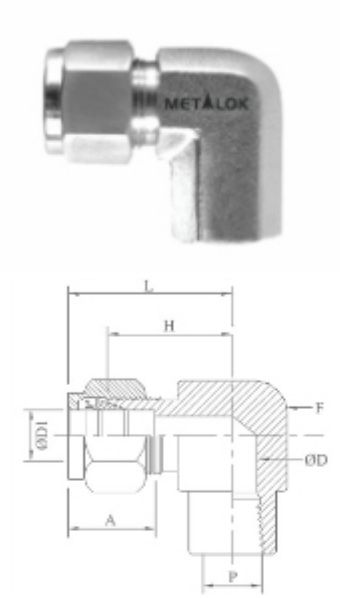




METRIC							
PART No.	0D1 Metric	P BSPPF	0D	F Hex	H	L	A
MICF/FC/IP/3M-4T	3	G-1/4	2.4	19	28.7	35.3	12.9
MICF/FC/IP/6M-4T	6	G-1/4	4.8	19	30.2	37.6	15.3
MICF/FC/IP/6M-6T	6	G-3/8	4.8	24	30.2	37.6	15.3
MICF/FC/IP/6M-8T	6	G-1/2	4.8	27	36.1	43.5	15.3
MICF/FC/IP/8M-4T	8	G-1/4	5.5	19	31.O	38.5	16.2
MICF/FC/IP/8M-6T	8	G-3/8	6.5	24	28.7	36.2	16.2
MICF/FC/IP/8M-8T	8	G-1/2	7.O	27	33.5	41.O	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.O	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.O	27	38.1	48.2	22.8
MICF/FC/IP/20M-8T	20	G-1/2	7.O	30	44.2	54.3	26.O
MICF/FC/IP/22M-8T	22	G-1/2	7.O	30	44.2	54.3	26.O

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

IMPERIAL							
PART No.	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

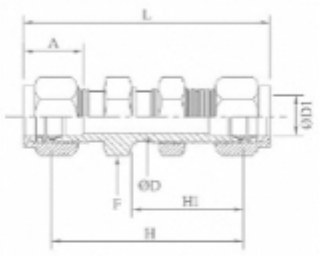
Tube OD Metric X Female NPT

METRIC							
PART No.	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

METALOK™

BULKHEAD UNION Tube OD





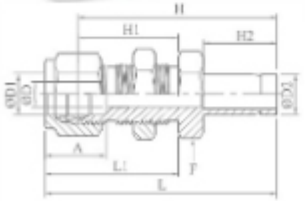
IMPERIAL									
PART No.	OD1 Imperial	OD	F Hex	A Inch	L Inch	Panel Hole size	Max Panel Thickness	H Inch	H1 mm
MICF/BU/1I	1/16 "	0.05	5/16 "	0.34	1.24	13/64	0.12	23.87	13.46
MICF/BU/2I	1/8 "	0.09	1/2 "	0.5O	2.02	21/64	0.5O	38.1O	24.63
MICF/BU/3I	3/16 "	0.12	9/16 "	0.54	2.11	25/64	0.5O	40.38	25.4O
MICF/BU/4I	1/4 "	0.19	5/8 "	0.6O	2.27	29/64	0.4O	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 "	0.9O	2.8O	49/64	0.5O	50.8O	31.75
MICF/BU/10I	5/8 "	0.5O	1-1/6 "	0.96	2.86	57/64	0.5O	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.o	13.1	11.2	46.o	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.o	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.o	16.8	58.7	37.3
MICF/BU/20M	20	15.9	35	26.o	84.5	29.o	19.o	64.3	42.9
MICF/BU/25M	25	21.8	40	31.2	96.o	33.7	19.o	71.4	45.2
MICF/BU/30M	30	26.2	50	39.6	123.7	40.5	19.o	82.3	49.5
MICF/BU/32M	32	28.6	50	42.o	128.3	42.5	19.o	82.3	49.5
MICF/BU/38M	38	33.7	60	49.4	144.6	50.5	19.o	89.4	51.5

BULKHEAD REDUCER

Tube OD Imperial





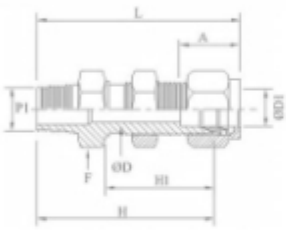
IMPERIAL											
PART No.	OD1 Imperial	OD2 Tube	OD	F Hex		H	H1	H2	L	A	L1
MICF/BRT-T/2I-2T	1/8 "	1/8 "	2.03	1/2 "	12.7	42.92	24.63	13.46	49.53	12.7	31.24
MICF/BRT-T/4I-4T	1/4 "	1/4 "	4.2O	5/8 "	15.9	48.5	26.16	15.74	55.88	15.2	33.52
MICF/BRT-T/6I-6T	3/8 "	3/8 "	7.11	3/4 "	19.1	53.85	29.46	17.52	61.21	16.8	36.83
MICF/BRT-T/8I-8T	1/2 "	1/2 "	9.9O	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





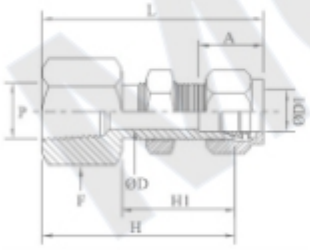
IMPERIAL									
PART No.	OD1 Imperial	P1 NPTM	OD	F Hex	L Inch	Panel Hole size	Max Panel Thickness	H Inch	H1 Inch
MICF/BMC/2I-2I	1/8 "	1/8 "	0.09	1/2 "	1.83	21/64 "	0.50	1.57	0.97
MICF/BMC/4I-2I	1/4 "	1/8 "	0.19	5/8 "	1.95	29/64 "	0.40	1.66	1.03
MICF/BMC/4I-4I	1/4 "	1/4 "	0.19	5/8 "	2.10	29/64 "	0.40	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

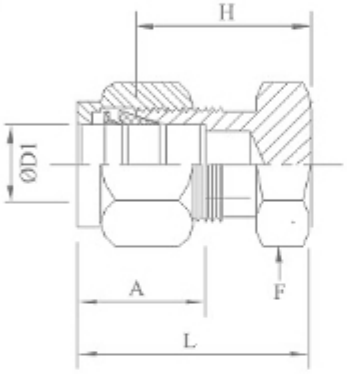




IMPERIAL										
PART No.	OD1 Imperial	P NPTF	OD	F Hex	A Inch	L Inch	H Inch	H1 Inch	Panel Mole size	Max Panel Thickness
MICF/BFC/2I-2I	1/8 "	1/8 "	0.09	9/16 "	0.5	1.76	1.50	0.97	21/64	0.50
MICF/BFC/4I-2I	1/4 "	1/8 "	0.19	5/8 "	0.60	1.85	1.56	1.03	29/64	0.40
MICF/BFC/4I-4I	1/4 "	1/4 "	0.19	5/8 "	0.60	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

CAP - END OF TUBE Tube OD



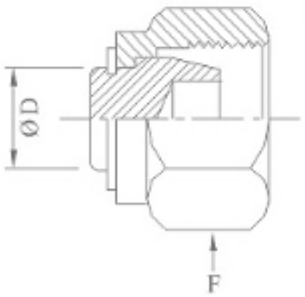


METRIC					
PART No.	0D1 Metric	F Hex	A mm	L mm	H mm
MICF/CCET/2M	2	11	12.9	20.1	13.5
MICF/CCET/3M	3	11	12.9	20.1	13.5
MICF/CCET/4M	4	11	13.7	21.3	14.7
MICF/CCET/6M	6	14	15.3	23.1	15.7
MICF/CCET/8M	8	16	16.2	24.6	17.o
MICF/CCET/10M	10	17	17.2	24.6	15.o
MICF/CCET/12M	12	22	22.8	29.1	19.o
MICF/CCET/15M	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.O	34.o	23.9
MICF/CCET/22M	22	30	26.O	34.o	23.9
MICF/CCET/25M	25	35	31.3	38.5	26.2

IMPERIAL					
PART No.	0D1 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 "	0.5o	0.79	0.53
MICF/CCET/3I	3/16 "	7/16 "	0.54	0.84	0.58
MICF/CCET/4I	1/4 "	1/2 "	0.6o	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 "	0.9o	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



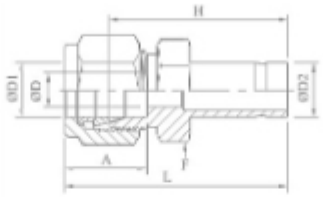


IMPERIAL		
PART No.	OD Imperial	F Hex
MICF/PP/1I	1/16 "	5/16 "
MICF/PP/2I	1/8 "	7/16 "
MICF/PP/3I	3/16 "	1/2 "
MICF/PP/4I	1/4 "	9/16 "
MICF/PP/5I	5/16 "	5/8 "
MICF/PP/6I	3/8 "	11/16 "
MICF/PP/8I	1/2 "	7/8 "
MICF/PP/10I	5/8 "	1
MICF/PP/12I	3/4 "	1-1/8 "
MICF/PP/16I	1	1-1/2 "

METRIC		
PART No.	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

REDUCER TUBE (INCH) TO STUB (INCH)

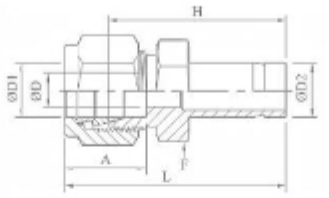




IMPERIAL								
PART No.	0D1 Imperial	0D2 Tube	0D	F Hex		H	L	A
MICF/RTS/1I-2	1/16 "	1/8 "	1.27	5/16 "	7.9	25.4o	29.21	8.6
MICF/RTS/1I-4	1/16 "	1/4 "	1.27	5/16 "	7.9	27.68	31.5	8.6
MICF/RTS/2I-1	1/8 "	1/16 "	0.76	7/16 "	11.1	22.35	28.96	12.7
MICF/RTS/2I-3	1/8 "	3/16 "	2.28	7/16 "	11.1	27.68	34.29	12.7
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

REDUCER TUBE (METRIC) TO STUB (METRIC)



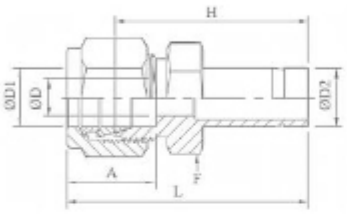


METRIC							
PART No.	0D1 Imperial	0D2 Tubs	0D	F Hex	H	L	A
MICF/RTS/2M-3	2	3	1.7	12	26.9	33.5	12.9
MICF/RTS/3M-4	3	4	2.4	12	28.4	35.o	12.9
MICF/RTS/3M-6	3	6	2.4	12	29.5	36.1	12.9
MICF/RTS/3M-10	3	10	2.4	14	31.8	38.4	12.9
MICF/RTS/4M-6	4	6	2.4	12	30.5	37.1	13.7
MICF/RTS/6M-3	6	3	1.8	14	29.5	36.9	15.3
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.O	15	32.8	40.3	16.2
MICF/RTS/8M-10	8	10	6.4	15	34.5	42.o	16.2
MICF/RTS/8M-12	8	12	6.4	15	40.1	47.6	16.2
MICF/RTS/10M-6	10	6	4.O	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.O	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.o	56.1	22.8
MICF/RTS/12M-22	12	22	9.5	24	46.o	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.o	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.o	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.o
MICF/RTS/20M-18	20	18	13.9	30	47.8	57.9	26.o
MICF/RTS/20M-22	20	22	15.8	30	49.3	59.4	26.o
MICF/RTS/20M-25	20	25	15.9	30	54.1	64.2	26.o
MICF/RTS/22M-18	22	18	13.9	30	47.8	57.9	26.o
MICF/RTS/22M-20	22	20	15.1	30	49.3	59.4	26.o
MICF/RTS/22M-25	22	25	18.3	30	54.1	64.2	26.o
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

REDUCER

TUBE (METRIC) TO STUB (INCH)

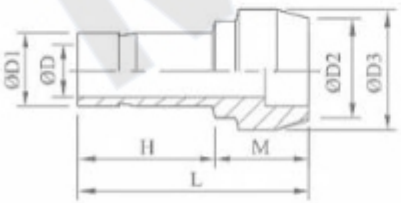




METRIC							
PART NO.	0D1 Metric	0D2 Tube	0D	F Hex	H	L	A
MICF/RTS/2M-2	2	1/8 "	1.7	12	26.9	33.5	12.9
MICF/RTS/3M-2	3	1/8 "	2.0	12	26,9	33.5	12.9
MICF/RTS/3M-4	3	1/4 "	2.4	12	29.5	36.1	12.9
MICF/RTS/4M-4	4	1/4 "	2.4	12	30.5	37.1	13.7
MICF/RTS/6M-2	6	1/8 "	2.2	14	29.5	36.9	15.3
MICF/RTS/6M-5	6	5/16 "	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

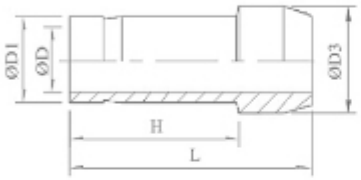




IMPERIAL							
PART NO.	0D2 Tube	0D1 Tube	0D	H	L	OD3	M
MICF/RPC/2-1I	1/8 "	1/16 "	0.75	8.64	17.3	6,10	2.03
MICF/RPC/4-1I	1/4 "	1/16 "	0.75	8.64	18.0	9.40	3.55
MICF/RPC/4-2I	1/4 "	1/8 "	2.28	13.46	22.6	9.40	3.30
MICF/RPC/6-2I	3/8 "	1/8"	2.20	13.46	23.2	12.70	3.81
MICF/RPC/6-4I	3/8 "	1/4 "	4.20	15.75	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.	0D2 Tube	0D1 Tube	0D	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





PORTS CONNECTOR

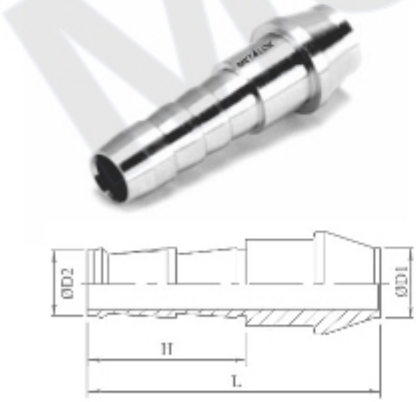
COMPRESSION TUBE PORTS CONNECTOR (IMPERIAL)

PART No.	0D1 Tube	0D	H	L	OD3
MICF/PC/1I	1/16 "	0.75	10.66	13.7	3.3O
MICF/PC/2I	1/8 "	2.2O	15.75	22.4	6.1O
MICF/PC/4I	1/4 "	4.2O	18.8O	24.9	9.4O
MICF/PC/5I	5/16 "	6.OO	20.06	25.9	10.92
MICF/PC/6I	3/8 "	7.6O	20.32	26.2	12.7O
MICF/PC/8I	1/2 "	9.9O	25.9O	35.8	15.75
MICF/PC/12I	3/4 "	15,00	27.68	37.3	22.1O
MICF/PC/16I	1	20,30	34.54	48.1	28.45

PORTS CONNECTOR

COMPRESSION TUBE PORTS CONNECTOR (METRIC)

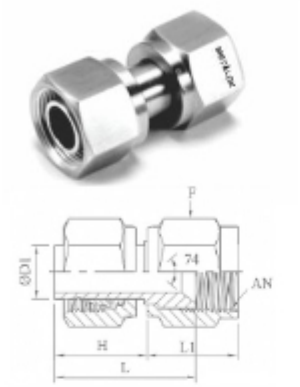
PART No	0D1 Tube	0D	H	L	OD3
MICF/PC/3M	3	2.1	15.7	22.2	6.o
MICF/PC/6M	6	4.O	18.7	25.o	9.o
MICF/PC/8M	8	6.O	20.o	25.9	11.o
MICF/PC/10M	10	7.1	20.2	27.1	13.1
MICF/PC/12M	12	8.8	26.o	36.2	15.o
MICF/PC/16M	16	12.7	27.6	37.4	19.o
MICF/PC/18M	18	13.9	27.6	37.4	21.1



HOSE TO PORT CONNECTOR

for fractional tube

IMPERIAL				
PART NO.	0D2 Hose size	0D1 Port Size	L	H
MICF/H PC/61	_A	3/8/ "	1.4O	0.8O



TUBE TO AN ADAPTER

IMPERIAL								
PART No.	0D1 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 "	12.7O	7/8 "	22.2	31.75	21.59	23.1

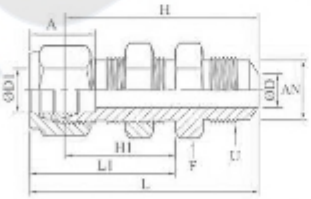


TUBE TO AN UNION

IMPERIAL										
PART No.	0D1 Imperial	AN Tube	Flare size	0D	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	12.7O	5/16/2024
MICF/AN-U/2I-4T	1/8 "	1/4 "	6.35	2.28	1/2 "	12.7	28.44	35.05	12.7O	7/16/2020
MICF/AN-U4I-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 "	12.7O	9.9O	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	25.4O	21.34	1-3/8 "	34.9	49.28	61.47	31.24	1-5/16-12



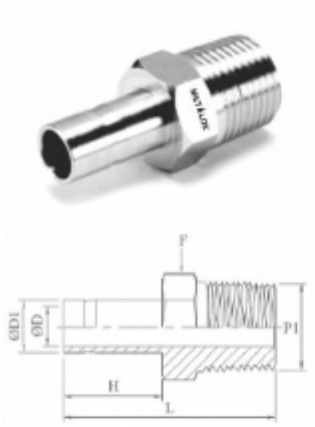
TUBE TO AN- BULKHEAD UNION



IMPERIAL												
PART No.	0D1 Tube	AN Tube	Flare size	0D	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	4.3O	15.9	46.48	26.16	53.84	33.52	7/16/2020	11.5O	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 "	12.7O	9.9O	23.8	55.63	31.75	65.79	41.91	3/4/2016	19.45	12.7O	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	25.8O	16.76	24.4
MICF/AN-BU/16I-16T	1	1	25.4O	21.33	41.3	80.26	45.21	92.46	57.4	1 5/16-12	33.73	19.05	31.2

MALE ADAPTER

Tube OD Imperial to NPT Male



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	14.2.0	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

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

MALE ADAPTER

Tube OD Metric to NPT Male

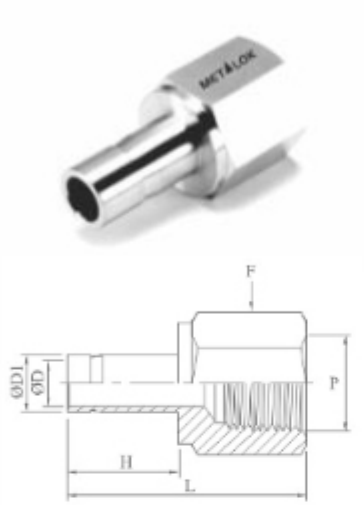


TUBE (METRIC) MALE PIPE							
PART No.	OD1 Metric	P1 NPTM	OD	F Hex		H	L
MICF/MA-TP/3M-2T	3	1/8 "	2.1	_	12	13.5	30.0
MICF/MA-TP/3M-4T	3	1/4 "	2.1	_	14	13.5	35.3
MICF/MA-TP/6M-2T	6	1/8 "	4.0	_	14	15.7	38.1
MICF/MA-TP/6M-6T	6	3/8 "	4.0	11/16 "	17.5	15.7	37.0
MICF/MA-TP/6M-8T	6	1/2 "	4.0	_	22	15.7	43.4
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

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 Imperial to NPT Female



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

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	31.5
MICF/FA-TP/2I-4T	1/8 "	1/4 "	2.3	3/4 "	19.1	13.45	35.3
MICF/FA-TP/3I-4T	3/16 "	1/4 "	3.0	3/4 "	19.1	14.20	35.8
MICF/FA-TP/4I-2T	1/4 "	1/8 "	4.2	9/16 "	14.3	15.75	33.0
MICF/FA-TP/4I-4T	1/4 "	1/4 "	4.2	3/4 "	19.1	15.75	37.1
MICF/FA-TP/4I-6T	1/4 "	3/8 "	4.2	7/8 "	22.2	15.75	39.4
MICF/FA-TP/4I-8T	1/4 "	1/2 "	4.2	1-1/16 "	27.0	15.75	45.5
MICF/FA-TP/5I-4T	5/16 "	1/4 "	6.0	3/4 "	19.1	16.75	37.6
MICF/FA-TP/6I-2T	3/8 "	1/8 "	7.1	9/16 "	14.3	17.50	34.3
MICF/FA-TP/6I-4T	3/8 "	1/4 "	7.1	3/4 "	19.1	17.50	38.1
MICF/FA-TP/6I-6T	3/8 "	3/8 "	7.1	7/8 "	22.2	17.50	40.4
MICF/FA-TP/6I-8T	3/8 "	1/2 "	7.1	1-1/16 "	27.0	17.50	46.7
MICF/FA-TP/8I-4T	1/2 "	1/4 "	9.9	3/4 "	19.1	23.10	43.4
MICF/FA-TP/8I-6T	1/2 "	3/8 "	9.9	7/8 "	22.2	23.10	45.5
MICF/FA-TP/8I-8T	1/2 "	1/2 "	9.9	1-1/16 "	27.0	23.10	51.8
MICF/FA-TP/10I-8T	5/8 "	1/2 "	12.7	1-1/16 "	27.0	24.65	53.1
MICF/FA-TP/12I-8T	3/4 "	1/2 "	15.0	1-1/16 "	27.0	24.65	52.8
MICF/FA-TP/12I-12T	3/4 "	3/4 "	15.0	1-5/16 "	33.3	24.65	54.9
MICF/FA-TP/12I-16T	3/4 "	1	15.0	15/8 "	41.3	24.65	58.4
MICF/FA-TP/16I-12T	1	3/4 "	20.3	1-5/16 "	33.3	31.20	60.7
MICF/FA-TP/16I-16T	1	1	20.3	15/8 "	41.34	31.20	64.3

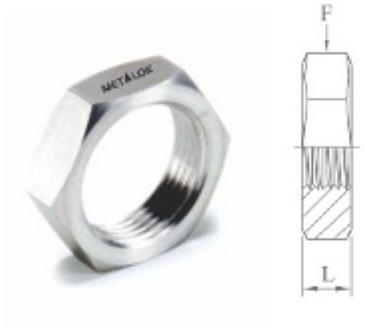
FEMALE ADAPTER

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

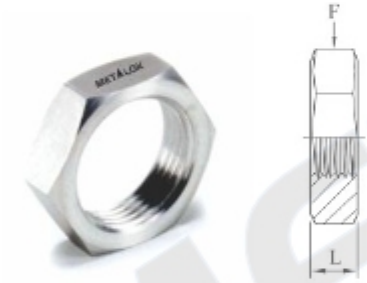
Tube OD Imperial to Stub OD Imperial



IMPERIAL				
PART No.	Thread Tube	Tube 0D	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

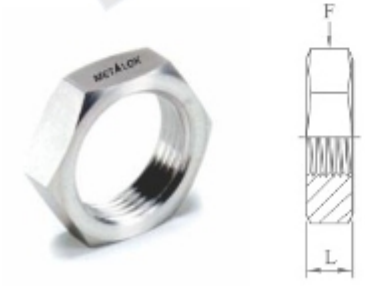
Reducer SAE MS treaded



IMPERIAL				
PART NO.	Thread SAF-Std	Tube 0D	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 0D	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

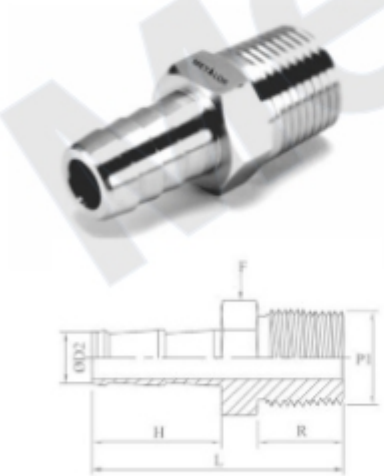
IMPERIAL					
PART No.	0D1 Imperial	0D2 Hose Size	L	H	F Hex
MICF/HCT/4I	1/4 "	-4	1.77	0.72	7/16 "
MICF/HCT/6I	3/8 "	-6	1.98	0.78	9/16 "
MICF/HCT/8I	1/2 "	-8	2.42	1.03	11/1 "



HOSE TO TUBE ADAPTER

for fractional tube OD imperial

IMPERIAL					
PART No.	0D1 Imperial	0D2 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.O	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.	0D1 Imperial	0D2 Hose Size	L	H	R	F Hex
MICF/HMA/4I	1/4 "	-4	1.65	0.8O	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	1.1O	0.75	7/8 "

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

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.



INDUSTRIAL SOLUTIONS WE PROVIDE

Specialized in Manufacturing, Supply & On-Site Industrial Services – Boilers, Heat Exchangers, Plant Maintenance, Piping, Hydrojetting & Shutdown Support.



METALOK INDUSTRIES™

(AN ISO 9001:2015, CE & PED CERTIFIED COMPANY)

Manufacturer, Exporter & Supplier of :

Instrumentation Valves, Tube & Pipe Fittings, Thermowells, Flanges, Manifolds, Condensate Pots and Allied Products — in Stainless Steel, Carbon Steel, Alloy Steel and High Nickel Alloys.

Address : Unit No.21, Nikisha Industries Estate, Mumbai, Maharashtra, In 401107

Tel: +91 9869552950 (CEO) / +91 8369290665 (Techical Head)

Email: sales@metalokindustries.com