



# DMfit®

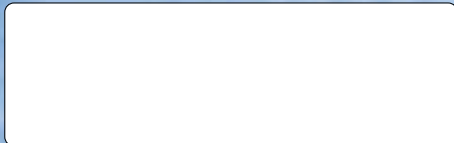
Fittings, Valves, Cartridges, Tubing



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**IDM DMT**

# DMfit®

## PUSH-IN TUBE FITTINGS



### WRAS approval :

DMfit® complies with WRAS requirements of the United Kingdom Water Regulations.



### US FDA approved materials :

DMfit® fittings are produced using FDA approved materials.



### SK Zert, ANSI/NSF-51, 61 Certifications :

DMfit® fittings are suitable for contact with foodstuffs & drinking water.



### ISO 9001/ISO14001 Certifications :

DMfit® fittings are produced under a registered ISO 9001 / ISO 14001 quality system.



**Since** our creation in 1987, DMT Co., Ltd. has taken a leading position in the plastic extruded casing industry because of our quality-first mindset, integrity and technical leadership.

Now, DMT Co., Ltd. has made a second bold leap - into the fittings business. DMT's goal is to be a global leader, providing the best net value in fittings products to the entire range of fluid handling industries.



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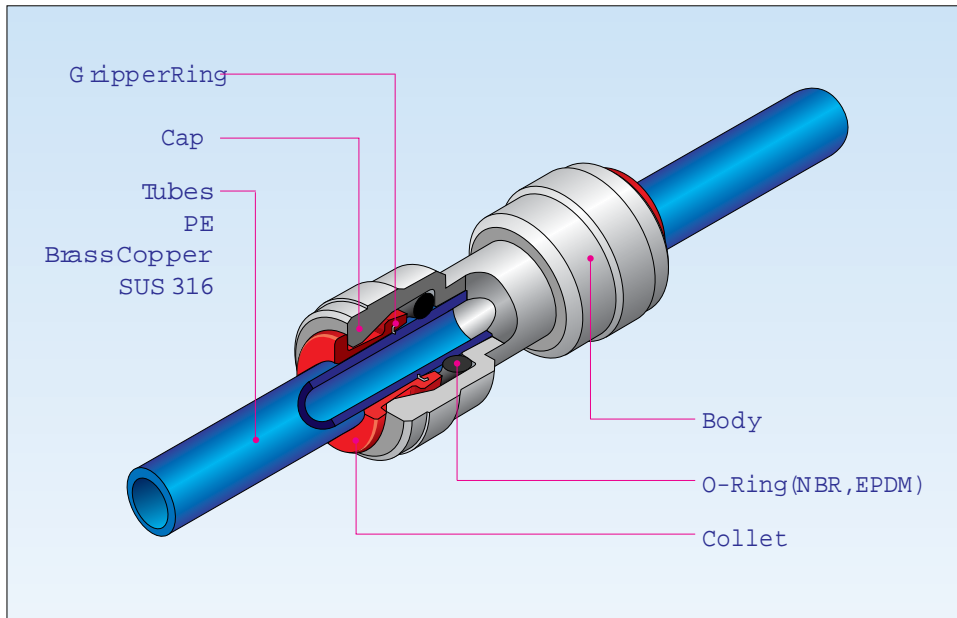
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Terms and Conditions



### Material Standards

Material Options	Fittings Color	O-ring
A - acetal	Grey, Black, White	NBR EPDM
P - polypropylene	White	
B - brass	brass, or chromed	

### Maximum Pressure and Temperature for Fittings

Temperature	Size						air & liquids
	5/32" 4mm	3/16" 5mm	1/4" 6mm	5/16" 8mm	3/8" 10mm	1/2" 12mm	
-20 °C (-4 °F)	230 psi			170 psi			air
1 °C (34 °F)	230 psi			170 psi			air & liquids
20 °C (68 °F)	230 psi			170 psi			
65 °C (149 °F)	150 psi			100 psi			

※ For use at higher temperatures or pressures, please contact your DMfit representative for assistance.

### Outer Diameter Tolerance Limit of Tubing Used with Fittings

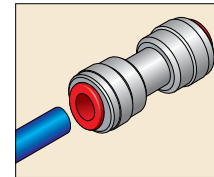
SIZE	Tolerance
5/32", 4mm	±0.004" (±0.1mm)
3/16", 5mm	
1/4", 6mm	+0.004" (+0.10mm) -0.004" (-0.10mm)
5/16", 8mm	
3/8", 10mm	
1/2", 12mm	

### Maximum Permissible Torque

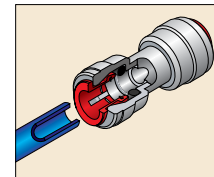
Torque	Thread		
	1/8", 1/4"	3/8", 1/2"	3/4"
Plastic Maximum Torque (N·m)	1.5	3.0	4.0
Steel Maximum Torque (N·m)	7.0-9.0	12.0-14.0	22.0-24.0
	28.0-30.0		40.0

※ The above values are average maximum applied torque. Actual results may vary.

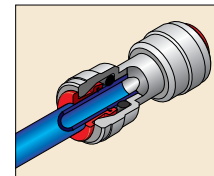
### Installing DMfit Fittings



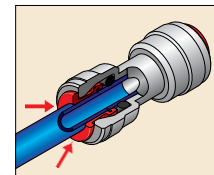
- Cut the front end of the tube squarely before inserting.
- The outer surface of the tube end must be smooth, clean, and free from burrs and scratches.



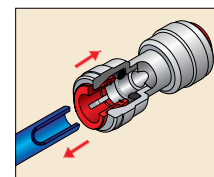
- Insert the tube firmly until the tube end hits a positive stop.



- To check for a secure connection, tug on the tube with moderate force. The tube should hold in place.
- A stainless steel gripper ring holds the tube into the fitting and prevents o-ring leakage.



- TO DISCONNECT : Press the COLLET face fully towards the fitting body and then pull the tube out from the body.
- The fittings are reusable.



- The unique oval-shaped face of the DMfit® collets facilitates servicing.
- The wide oval shape allows easier finger placement for easy connecting and disconnecting.
- The rounded teeth of the gripper ring minimize scratches, allowing the reuse of the tube.

### Terms and Conditions

Please read, understand, and follow all instructions, precautions, and warnings prior to using DMfit(r) products on pressurized systems. Failure to follow all instructions, precautions, and warnings may result in bodily harm or property damage.

### Warnings and Precautions

- (1) Fittings are not recommended for use with liquids other than water and food or beverage products. Where fittings may be used with other chemicals, refer to published chemical compatibility data, or contact DMT for advice.
- (2) Do not disassemble or modify the individual product, as this may cause a product malfunction, leak, or failure and voids the product warranty.
- (3) Do not over-stress the fitting by rotation, twist, bending, shock, fatigue, or other excess force. This may damage the fitting and cause malfunction, leak, or failure and voids the product warranty.
- (4) Do not use the product where ambient temperature or fluid temperature may exceed 80 °C (180 °F) as a working temperature. This may damage the fitting and cause malfunction, leak, or failure.
- (5) Do not use pipe dope or other liquid thread sealers. Use only Teflon(r) tape to seal threaded connections.
- (6) If your plumbed line is used as an electrical ground, you must use a jumper wire to provide continuity across plastic fittings and tubing.
- (7) Never press collets toward the body unless attempting to separate tubing from a fitting in an unpressurized line. The use of the DMfit(r) Locking Clip is advised to restrict inadvertent disassembly of connections.
- (8) DMT reserves the right to modify the product from time-to-time as required for quality improvement and per market requirements. Actual product may differ from pictures shown.
- (9) Connecting DMfit(r) products to tubing or connecting elements other than DMfit(r) products is not warranted for performance. Always perform any checks and testing necessary to verify acceptable function.
- (10) Before making any tube connection, verify that the end of the tube has been cut squarely and there are no scratches on the tube OD within 30mm of the end.
- (11) When making a tube connection, occasionally a gripping of the tube may occur just as the tube begins to pass through the o-ring, although the seal is not yet made. In this case, push the tube deeply once more to complete assembly of the connection. Failure to completely seat the tube into the fitting may cause a leak.
- (12) When using metallic tubing, de-burr the tube ends to avoid potential cutting or other damage to the o-ring.
- (13) After assembling a tube connection, tug with moderate force to check for proper gripping of the tube.
- (14) Before disassembling tube connections, always verify that pressure has been removed from the system.
- (15) When disassembling tube connections, always press the collet evenly toward the body and then pull the tube. If a locking clip is used, remove the locking clip before attempting to separate a tube connection.
- (16) When tightening threaded fittings, use care not to over-torque the fitting as this may damage the fitting and cause a leak or other failure.

### Material Characteristics

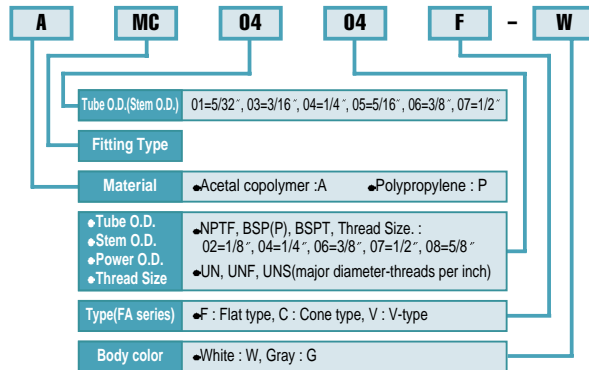
- **Acetal** : Also known as POM. Highly durable and resistant to fatigue and creep. It has high resistance to a wide range of organic & inorganic chemicals and detergents. Not recommended for use with strong acids or repeated exposure to strong oxidizers.
- **Polypropylene** : Has excellent chemical resistance, cold endurance, and high tolerance to oxidizers.



## Suitable for

- **Water & foods use :** *DMfit* products are manufactured from safe, non-toxic materials meeting the requirements of the US FDA, WRAS, ANSI/NSF-51, 61, and SK Zert. Our products are widely used in water purification, food/beverage and pneumatic systems.
- **Function & Quality :** *DMfit* provides quick and convenient assembly - saving time & expense. Our ISO9001 registered quality system ensures our customers a superior level of product quality. Defects are easily detectable and maintenance is easy with its easy dismantling for access.
- **Collet Design :** Our unique oval collet design is superior and more practical, and is an improvement welcomed by our world-wide customers in all industries.
- **Applications :** Beyond water and food use, fittings can be used with air, gases, vacuum, & liquids. And all connections can be assembled & disassembled repeatedly. A broad of sizes covers a broad scope of applications.
- **Color :** Acetal inch-size product series are available in gray and white.

## Part Numbering System



## MC - Male Connector NPTF Thread

PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AMC 0102	5/32	1/8	500
AMC 0104	5/32	1/4	500
AMC 0302	3/16	1/8	500
AMC 0402	1/4	1/8	500
AMC 0404	1/4	1/4	500
AMC 0406	1/4	3/8	400
AMC 0407	1/4	1/2	250
AMC 0502	5/16	1/8	400
AMC 0504	5/16	1/4	400
AMC 0506	5/16	3/8	350
AMC 0602	3/8	1/8	300
AMC 0604	3/8	1/4	300
AMC 0606	3/8	3/8	300
AMC 0607	3/8	1/2	250
AMC 0706	1/2	3/8	200
AMC 0707	1/2	1/2	200

## MCB - Male Connector BSP(P) Thread

PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
AMCB 0102	5/32	1/8	500
AMCB 0104	5/32	1/4	500
AMCB 0302	3/16	1/8	500
AMCB 0304	3/16	1/4	400
AMCB 0402	1/4	1/8	500
AMCB 0404	1/4	1/4	400
AMCB 0502	5/16	1/8	400
AMCB 0504	5/16	1/4	400
AMCB 0506	5/16	3/8	250
AMCB 0602	3/8	1/8	300
AMCB 0604	3/8	1/4	300
AMCB 0606	3/8	3/8	250
AMCB 0607	3/8	1/2	200
AMCB 0706	1/2	3/8	200
AMCB 0707	1/2	1/2	150



## MCCB - Male Connector Big O-Ring BSP Thread

PART NO.	Stem O.D.	BSP(P) Thread	Qty / Box
AMCBB 0602	3/8	1/8	300
AMCBB 0604	3/8	1/4	300

## ME - Male Elbow NPTF Thread

PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AME 0302	3/16	1/8	500
AME 0402	1/4	1/8	500
AME 0404	1/4	1/4	400
AME 0406	1/4	3/8	400
AME 0504	5/16	1/4	300
AME 0506	5/16	3/8	300
AME 0604	3/8	1/4	250
AME 0606	3/8	3/8	250
AME 0706	1/2	3/8	200
AME 0707	1/2	1/2	150

## MCBT - Male Connector BSPT(PT) Thread

PART NO.	Tube O.D.	BSPT(PT) Thread	Qty / Box
AMCBT 0102	5/32	1/8	500
AMCBT 0104	5/32	1/4	500
AMCBT 0302	3/16	1/8	500
AMCBT 0304	3/16	1/4	500
AMCBT 0402	1/4	1/8	500
AMCBT 0404	1/4	1/4	400
AMCBT 0406	1/4	3/8	400
AMCBT 0407	1/4	1/2	250
AMCBT 0502	5/16	1/8	400
AMCBT 0504	5/16	1/4	400
AMCBT 0506	5/16	3/8	350
AMCBT 0602	3/8	1/8	300
AMCBT 0604	3/8	1/4	300
AMCBT 0606	3/8	3/8	300
AMCBT 0607	3/8	1/2	250
AMCBT 0706	1/2	3/8	200
AMCBT 0707	1/2	1/2	200



## MCF - Male Connector MFL Thread

PART NO.	Tube O.D.	UN, UNF Thread	Qty / Box
AMCF 0505	5/16	5/16	300
AMCF 0604	3/8	1/4	300
AMCF 0507N	5/16	1/2	300
AMCF 0607N	3/8	1/2	300

- MFL Thread  
 MFL 1/4 - 7/16 - 20 UNF  
 MFL 5/16 - 1/2 - 20 UNF  
 MFL 3/8 - 5/8 - 18 UNF  
 MFL 1/2 - 3/4 - 16 UNF



## MCW - Male Connector MSW Thread

PART NO.	Tube O.D.	BSW Thread	Qty / Box
AMCW 049/16	1/4	9/16	400
AMCW 0507	5/16	1/2	250
AMCW 059/16	5/16	9/16	250
AMCW 0607	3/8	1/2	200
AMCW 069/16	3/8	9/16	200

## MES - Male Elbow Swivel NPTF Thread

PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AMES 0102	5/32	1/8	500
AMES 0104	5/32	1/4	400
AMES 0302	3/16	1/8	500
AMES 0402	1/4	1/8	300
AMES 0404	1/4	1/4	250
AMES 0502	5/16	1/8	200
AMES 0504	5/16	1/4	200
AMES 0506	5/16	3/8	200
AMES 0604	3/8	1/4	150
AMES 0606	3/8	3/8	150
AMES 0706	1/2	3/8	100
AMES 0707	1/2	1/2	100

## SAB - Stem Adapter BSP(P) Thread

PART NO.	Stem O.D.	BSP(P) Thread	Qty / Box
ASAB 0604	3/8	1/4	400
ASAB 0606	3/8	3/8	250
ASAB 0607	3/8	1/2	150
ASAB 0707	1/2	1/2	150

## EU - Elbow Union

PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AEU 0101	5/32	5/32	700
AEU 0303	3/16	3/16	700
AEU 0404	1/4	1/4	400
AEU 0501	5/16	5/32	500
AEU 0503	5/16	3/16	400
AEU 0504	5/16	1/4	300
AEU 0505	5/16	5/16	250
AEU 0603	3/8	3/16	300
AEU 0604	3/8	1/4	300
AEU 0605	3/8	5/16	250
AEU 0606	3/8	3/8	250
AEU 0704	1/2	1/4	150
AEU 0705	1/2	5/16	150
AEU 0706	1/2	3/8	150
AEU 0707	1/2	1/2	150

## TEU - Tube Elbow Union



PART NO.	Tube O.D.	Stem O.D.	Qty / Box
ATEU 0101	5/32	5/32	800
ATEU 0303	3/16	3/16	600
ATEU 0306	3/16	3/8	500
ATEU 0404	1/4	1/4	500
ATEU 0406	1/4	3/8	400
ATEU 0505	5/16	5/16	400
ATEU 0506	5/16	3/8	350
ATEU 0606	3/8	3/8	250
ATEU 0607	3/8	1/2	200
ATEU 0707	1/2	1/2	200

## FAU - Female Adapter UNS Thread (Cone Type)



PART NO.	Tube O.D.	UNS Thread	Qty / Box
AFAU 04 7/16C	1/4	7/16 - 24	400
AFAU 05 7/16C	5/16	7/16 - 24	300
AFAU 06 7/16C	3/8	7/16 - 24	200

## SA - Stem Adapter NPTF Thread



PART NO.	Stem O.D.	NPTF Thread	Qty / Box
ASA 0102	5/32	1/8	800
ASA 0104	5/32	1/4	500
ASA 0302	3/16	1/8	800
ASA 0402	1/4	1/8	500
ASA 0404	1/4	1/4	500
ASA 0502	5/16	1/8	500
ASA 0504	5/16	1/4	400
ASA 0506	5/16	3/8	300
ASA 0604	3/8	1/4	400
ASA 0606	3/8	3/8	300
ASA 0706	1/2	3/8	250
ASA 0707	1/2	1/2	150

## TBC - Tube Barb Connector



PART NO.	Stem O.D.	Tube I.D.	Qty / Box
ATBC 0403	1/4	3/16	1000
ATBC 0404	1/4	1/4	1000
ATBC 0405	1/4	5/16	800
ATBC 0503	5/16	3/16	700
ATBC 0504	5/16	1/4	700
ATBC 0505	5/16	5/16	700
ATBC 0506	5/16	3/8	700
ATBC 0604	3/8	1/4	500
ATBC 0605	3/8	5/16	500
ATBC 0606	3/8	3/8	400
ATBC 0607	3/8	1/2	300
ATBC 0706	1/2	3/8	300
ATBC 0707	1/2	1/2	300

## FA - Female Adapter NPTF Thread



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AFA 0402	1/4	1/8	500
AFA 0404	1/4	1/4	400
AFA 0502	5/16	1/8	300
AFA 0504	5/16	1/4	300
AFA 0602	3/8	1/8	300
AFA 0604	3/8	1/4	300

## FAB - Female Adapter BSP(P) Thread (Flat Type)



PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
AFAB 0508F	5/16	5/8	250
AFAB 0607F	3/8	1/2	300
AFAB 0608F	3/8	5/8	200
AFAB 0706F	1/2	3/8	200
AFAB 0707F	1/2	1/2	200
AFAB 0708F	1/2	5/8	150

## SABT - Stem Adapter BSPT(PT) Thread



PART NO.	Stem O.D.	BSPT(PT) Thread	Qty / Box
ASABT 0302	3/16	1/8	800
ASABT 0504	5/16	1/4	400
ASABT 0506	5/16	3/8	300
ASABT 0604	3/8	1/4	400
ASABT 0606	3/8	3/8	300
ASABT 0707	1/2	1/2	150

## TEB - Tube Elbow Barb Connector



PART NO.	Stem O.D.	Tube I.D.	Qty / Box
ATEB 0404	1/4	1/4	800
ATEB 0405	1/4	5/16	800
ATEB 0504	5/16	1/4	800
ATEB 0505	5/16	5/16	800
ATEB 0604	3/8	1/4	600
ATEB 0605	3/8	5/16	600
ATEB 0606	3/8	3/8	550

## FAUN - Female Adapter UN Thread (V - Type)



PART NO.	Tube O.D.	UN Thread	Qty / Box
AFAUN 05 1/2V	5/16	1/2 - 16	350
AFAUN 06 1/2V	3/8	1/2 - 16	300
AFAUN 07 1/2V	1/2	1/2 - 16	250

## FAB - Female Adapter BSP(P) Thread (Cone Type)



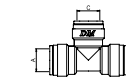
PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
AFAB 0406C	1/4	3/8	300
AFAB 0407C	1/4	1/2	200
AFAB 0506C	5/16	3/8	200
AFAB 0507C	5/16	1/2	200
AFAB 0606C	3/8	3/8	200
AFAB 0607C	3/8	1/2	200
AFAB 0608C	3/8	5/8	150
AFAB 0708C	1/2	5/8	150

## **New** SAW - Stem Adapter BSW Thread



PART NO.	Stem O.D.	BSPT(PT) Thread	Qty / Box
ASAW 059/16	5/16	9/16	150
ASAW 0607	3/8	1/2	150
ASAW 069/16	3/8	9/16	150

## TU - Tee Union



PART NO.	Tube O.D. (A)	Tube O.D. (B)	Tube O.D. (C)	Qty / Box
ATU 010101	5/32	5/32	5/32	350
ATU 030303	3/16	3/16	3/16	350
ATU 040404	1/4	1/4	1/4	350
ATU 050505	5/16	5/16	5/16	250
ATU 060604	3/8	3/8	1/4	150
ATU 060606	3/8	3/8	3/8	150
ATU 070706	1/2	1/2	3/8	100
ATU 070707	1/2	1/2	1/2	100

## FAUF - Female Adapter UNF Thread (Cone Type)



PART NO.	Tube O.D.	UNF Thread	Qty / Box
AFAUF 04 7/16C	1/4	7/16 - 20	400
AFAUF 05 7/16C	5/16	7/16 - 20	300
AFAUF 06 7/16C	3/8	7/16 - 20	300

## FAUF - Female Adapter UNF Thread (V - Type)



PART NO.	Tube O.D.	UNF Thread	Qty / Box
AFAUF 04 7/16V	1/4	7/16 - 20	600
AFAUF 05 7/16V	5/16	7/16 - 20	400
AFAUF 06 7/16V	3/8	7/16 - 20	400
AFAUF 06 5/8V	3/8	5/8 - 18	350

●7/16 UNF Corresponds to a 1/4 FFL  
●5/8 UNF Corresponds to a 3/8 FFL

## RD - Reducer



PART NO.	Tube O.D.	Stem O.D.	Qty / Box
ARD 0104	5/32	1/4	800
ARD 0305	3/16	5/16	700
ARD 0306	3/16	3/8	600
ARD 0405	1/4	5/16	700
ARD 0406	1/4	3/8	500
ARD 0506	5/16	3/8	400
ARD 0507	5/16	1/2	300
ARD 0607	3/8	1/2	300

## MTS - Male Tee Swivel NPTF Thread



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AMTS 0102	5/32	1/8	500
AMTS 0104	5/32	1/4	400
AMTS 0302	3/16	1/8	300
AMTS 0402	1/4	1/8	250
AMTS 0404	1/4	1/4	250
AMTS 0502	5/16	1/8	200
AMTS 0504	5/16	1/4	180
AMTS 0506	5/16	3/8	150
AMTS 0604	3/8	1/4	130
AMTS 0606	3/8	3/8	100
AMTS 0706	1/2	3/8	70
AMTS 0707	1/2	1/2	70

## MRS - Male Run Swivel NPTF Thread



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AMRS 0102	5/32	1/8	500
AMRS 0104	5/32	1/4	400
AMRS 0302	3/16	1/8	300
AMRS 0402	1/4	1/8	300
AMRS 0404	1/4	1/4	250
AMRS 0502	5/16	1/8	200
AMRS 0504	5/16	1/4	200
AMRS 0506	5/16	3/8	150
AMRS 0604	3/8	1/4	130
AMRS 0606	3/8	3/8	100
AMRS 0706	1/2	3/8	80
AMRS 0707	1/2	1/2	80

## THWD - Three Way Divider



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
ATHWD 0604	3/8	1/4	150
ATHWD 0706	1/2	3/8	50

## TES - Tube End Stop



PART NO.	Tube O.D.	Qty / Box
ATES 04	1/4	800
ATES 05	5/16	600
ATES 06	3/8	300
ATES 07	1/2	200

## CR - Cross



PART NO.	Tube O.D.	Qty / Box
ACR 0101	5/32	300
ACR 0404	1/4	250
ACR 0505	5/16	200
ACR 0606	3/8	120
ACR 0707	1/2	80

## OC - Offset Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AOC 0604	3/8	1/4	300
AOC 0705	1/2	5/16	200

## PL - Plug



PART NO.	Stem O.D.	Qty / Box
APL 01	5/32	1000
APL 03	3/16	1000
APL 04	1/4	1000
APL 05	5/16	700
APL 06	3/8	500
APL 07	1/2	400

## BU - Bulkhead Union



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
ABU 0101	5/32	5/32	300
ABU 0303	3/16	3/16	300
ABU 0404	1/4	1/4	250
ABU 0406	1/4	3/8	200
ABU 0505	5/16	5/16	200
ABU 0604	3/8	1/4	150
ABU 0606	3/8	3/8	150
ABU 0707	1/2	1/2	70



## MESBT- Male Elbow Swivel BSPT Thread



PART NO.	Tube O.D.	BSPT Thread	Qty / Box
AMESBT 0104	5/32	1/4	400
AMESBT 0302	3/16	1/8	400
AMESBT 0304	3/16	1/4	300
AMESBT 0306	3/16	3/8	300
AMESBT 0404	1/4	1/4	250
AMESBT 0406	1/4	3/8	200
AMESBT 0407	1/4	1/2	200
AMESBT 0504	5/16	1/4	200
AMESBT 0506	5/16	3/8	200
AMESBT 0507	5/16	1/2	150
AMESBT 0606	3/8	3/8	150
AMESBT 0607	3/8	1/2	100
AMESBT 0707	1/2	1/2	100

## UC - Union Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AUC 0101	5/32	5/32	500
AUC 0303	3/16	3/16	500
AUC 0401	1/4	5/32	500
AUC 0403	1/4	3/16	400
AUC 0404	1/4	1/4	400
AUC 0501	5/16	5/32	400
AUC 0503	5/16	3/16	400
AUC 0504	5/16	1/4	300
AUC 0505	5/16	5/16	300
AUC 0601	3/8	5/32	300
AUC 0603	3/8	3/16	300
AUC 0604	3/8	1/4	250
AUC 0605	3/8	5/16	250
AUC 0606	3/8	3/8	250
AUC 0705	1/2	5/16	200
AUC 0706	1/2	3/8	200
AUC 0707	1/2	1/2	150
AUC 067.5	3/8	7.5 mm	250



## UB - U Bend



PART NO.	Tube in	Tube out	Qty / Box
AUB 0404	1/4	1/4	350
AUB 0505	5/16	5/16	250
AUB 0606	3/8	3/8	150
AUB 0707	1/2	1/2	100



## DST- Dispensing Stem



PART NO.	Stem O.D.	Stem O.D.	Qty / Box
ADST 0606	3/8	3/8	400

## TWD - Two Way Divider



PART NO.	Tube in	Tube out	Qty / Box
ATWD 0101	5/32	5/32	400
ATWD 0404	1/4	1/4	300
ATWD 0505	5/16	5/16	200
ATWD 0605	3/8	5/16	150
ATWD 0606	3/8	3/8	150
ATWD 0607	3/8	1/2	100
ATWD 0707	1/2	1/2	100



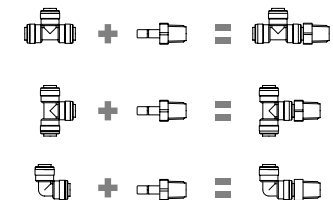
## DEU- Dispensing Elbow Union



PART NO.	Tube O.D.	Stem O.D.	Qty / Box
ADEU 0606	3/8	3/8	250

## Adaptability

- For maximum flexibility, fittings may be combined to provide wider functions.
- Unlike some competitors' products, separation and reuse is easy.





## ■ Suitable for

- **Water & foods use :** *DMfit* products are manufactured from safe, non-toxic materials meeting the requirements of the US FDA, WRAS, ANSI/NSF-51, 61, and SK Zert. Our products are widely used in water purification, food/beverage and pneumatic systems.
- **Function & Quality :** *DMfit* provides quick and convenient assembly - saving time & expense. Our ISO9001 registered quality system ensures our customers a superior level of product quality. Defects are easily detectable and maintenance is easy with its easy dismantling for access.
- **Collet Design :** Our unique oval collet design is superior and more practical, and is an improvement welcomed by our world-wide customers in all industries.
- **Applications :** Beyond water and food use, fittings can be used with air, gases, vacuum, & liquids. And all connections can be assembled & disassembled repeatedly. A broad of sizes covers a broad scope of applications.
- **Color:** White acetal

### MC - Male Connector NPTF Thread

PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AMC 0102W	5/32	1/8	500
AMC 0104W	5/32	1/4	500
AMC 0302W	3/16	1/8	500
AMC 0402W	1/4	1/8	500
AMC 0404W	1/4	1/4	500
AMC 0406W	1/4	3/8	400
AMC 0407W	1/4	1/2	250
AMC 0502W	5/16	1/8	400
AMC 0504W	5/16	1/4	400
AMC 0506W	5/16	3/8	350
AMC 0602W	3/8	1/8	300
AMC 0604W	3/8	1/4	300
AMC 0606W	3/8	3/8	300
AMC 0607W	3/8	1/2	250
AMC 0706W	1/2	3/8	200
AMC 0707W	1/2	1/2	200

### EU - Elbow Union

PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AEU 0101W	5/32	5/32	700
AEU 0303W	3/16	3/16	700
AEU 0404W	1/4	1/4	400
AEU 0501W	5/16	5/32	500
AEU 0503W	5/16	3/16	400
AEU 0504W	5/16	1/4	300
AEU 0505W	5/16	5/16	250
AEU 0603W	3/8	3/16	300
AEU 0604W	3/8	1/4	300
AEU 0605W	3/8	5/16	250
AEU 0606W	3/8	3/8	250
AEU 0704W	1/2	1/4	150
AEU 0705W	1/2	5/16	150
AEU 0706W	1/2	3/8	150
AEU 0707W	1/2	1/2	150

### ME - Male Elbow NPTF Thread

PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AME 0302W	3/16	1/8	500
AME 0402W	1/4	1/8	500
AME 0404W	1/4	1/4	400
AME 0406W	1/4	3/8	400
AME 0504W	5/16	1/4	300
AME 0506W	5/16	3/8	300
AME 0604W	3/8	1/4	250
AME 0606W	3/8	3/8	250
AME 0706W	1/2	3/8	200
AME 0707W	1/2	1/2	150

### TEU - Tube Elbow Union

PART NO.	Tube O.D.	Stem O.D.	Qty / Box
ATEU 0101W	5/32	5/32	800
ATEU 0303W	3/16	3/16	600
ATEU 0306W	3/16	3/8	500
ATEU 0404W	1/4	1/4	500
ATEU 0406W	1/4	3/8	400
ATEU 0505W	5/16	5/16	400
ATEU 0506W	5/16	3/8	350
ATEU 0606W	3/8	3/8	250
ATEU 0607W	3/8	1/2	200
ATEU 0707W	1/2	1/2	200

### RD - Reducer

PART NO.	Tube O.D.	Stem O.D.	Qty / Box
ARD 0104W	5/32	1/4	800
ARD 0305W	3/16	5/16	700
ARD 0306W	3/16	3/8	600
ARD 0405W	1/4	5/16	700
ARD 0406W	1/4	3/8	500
ARD 0506W	5/16	3/8	400
ARD 0507W	5/16	1/2	300
ARD 0607W	3/8	1/2	300

### FA - Female Adapter NPTF Thread

PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AFA 0402W	1/4	1/8	500
AFA 0404W	1/4	1/4	400
AFA 0502W	5/16	1/8	300
AFA 0504W	5/16	1/4	300
AFA 0602W	3/8	1/8	300
AFA 0604W	3/8	1/4	300

### FAU - Female Adapter UNS Thread (Cone Type)

PART NO.	Tube O.D.	UNS Thread	Qty / Box
AFAU 04 7/16CW	1/4	7/16 - 24	400
AFAU 05 7/16CW	5/16	7/16 - 24	300
AFAU 06 7/16CW	3/8	7/16 - 24	200

### FAB - Female Adapter BSP(P) Thread (Flat Type)

PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
AFAB 0508FW	5/16	5/8	250
AFAB 0607FW	3/8	1/2	300
AFAB 0608FW	3/8	5/8	150
AFAB 0706FW	1/2	3/8	200
AFAB 0707FW	1/2	1/2	150
AFAB 0708FW	1/2	5/8	150

### TU - Tee Union

PART NO.	Tube O.D. (A)	Tube O.D. (B)	Tube O.D. (C)	Qty / Box
ATU 010101	5/32	5/32	5/32	350
ATU 030303	3/16	3/16	3/16	350
ATU 040404	1/4	1/4	1/4	350
ATU 050505	5/16	5/16	5/16	250
ATU 060604	3/8	3/8	1/4	150
ATU 060606	3/8	3/8	3/8	150
ATU 070706	1/2	1/2	3/8	100
ATU 070707	1/2	1/2	1/2	100

### FAUN - Female Adapter UN Thread (V - Type)

PART NO.	Tube O.D.	UN Thread	Qty / Box
AFAUN 05 1/2VW	5/16	1/2 - 16	350
AFAUN 06 1/2VW	3/8	1/2 - 16	300
AFAUN 07 1/2VW	1/2	1/2 - 16	250

### FAB - Female Adapter BSP(P) Thread (Cone Type)

PART NO.	Tube O.D.	BSP(P) Thread	Qty / Box
AFAB 0406CW	1/4	3/8	300
AFAB 0407CW	1/4	1/2	200
AFAB 0506CW	5/16	3/8	200
AFAB 0507CW	5/16	1/2	200
AFAB 0606CW	3/8	3/8	200
AFAB 0607CW	3/8	1/2	200
AFAB 0608CW	3/8	5/8	150
AFAB 0708CW	1/2	5/8	150

### SA - Stem Adapter NPTF Thread

PART NO.	Stem O.D.	NPTF Thread	Qty / Box
ASA 0102W	5/32	1/8	800
ASA 0104W	5/32	1/4	500
ASA 0302W	3/16	1/8	800
ASA 0402W	1/4	1/8	500
ASA 0404W	1/4	1/4	500
ASA 0502W	5/16	1/8	500
ASA 0504W	5/16	1/4	400
ASA 0506W	5/16	3/8	300
ASA 0604W	3/8	1/4	400
ASA 0606W	3/8	3/8	300
ASA 0706W	1/2	3/8	250
ASA 0707W	1/2	1/2	150

## SABT - Stem Adapter BSPT(PT) Thread



PART NO.	Stem O.D.	BSPT(PT) Thread	Qty / Box
ASABT 0302W	3/16	1/8	800
ASABT 0504W	5/16	1/4	400
ASABT 0506W	5/16	3/8	300
ASABT 0604W	3/8	1/4	400
ASABT 0606W	3/8	3/8	300
ASABT 0707W	1/2	1/2	150

## BU - Bulkhead Union



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
ABU 0101W	5/32	5/32	300
ABU 0303W	3/16	3/16	300
ABU 0404W	1/4	1/4	250
ABU 0406W	1/4	3/8	200
ABU 0505W	5/16	5/16	200
ABU 0604W	3/8	1/4	150
ABU 0606W	3/8	3/8	150
ABU 0707W	1/2	1/2	70

## TWD - Two Way Divider



PART NO.	Tube in	Tube out	Qty / Box
ATWD 0101W	5/32	5/32	400
ATWD 0404W	1/4	1/4	300
ATWD 0505W	5/16	5/16	200
ATWD 0605W	3/8	5/16	150
ATWD 0606W	3/8	3/8	150
ATWD 0607W	3/8	1/2	100
ATWD 0707W	1/2	1/2	100

## KFA - Kitchen Faucet Adapter



PART NO.	Tube O.D.	Thread NPSM	Qty / Box
AKFA 0407W	1/4	1/2-14	100
AKFA 0607W	3/8	1/2-14	100

● For installing undercounter filters & RO systems



## FAUF - Female Adapter UNF Thread (Cone Type)



PART NO.	Tube O.D.	UNF Thread	Qty / Box
AFAUF 04 7/16CW	1/4	7/16 - 20	400
AFAUF 05 7/16CW	5/16	7/16 - 20	300
AFAUF 06 7/16CW	3/8	7/16 - 20	300



## CR - Cross



PART NO.	Tube O.D.	Qty / Box
ACR 0101W	5/32	300
ACR 0404W	1/4	250
ACR 0505W	5/16	200
ACR 0606W	3/8	120
ACR 0707W	1/2	80

## PL - Plug



PART NO.	Stem O.D.	Qty / Box
APL 01W	5/32	1000
APL 03W	3/16	1000
APL 04W	1/4	1000
APL 05W	5/16	700
APL 06W	3/8	500
APL 07W	1/2	400

## MTU - Male Tee Union NPTF Thread



PART NO.	Tube O.D.	Thread NPTF	Qty / Box
AMTU 0404W	1/4	1/4	350



## TES - Tube End Stop

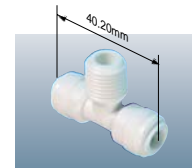


PART NO.	Tube O.D.	Qty / Box
ATES 04W	1/4	800
ATES 05W	5/16	600
ATES 06W	3/8	300
ATES 07W	1/2	200

## UB - U Bend



PART NO.	Tube in	Tube out	Qty / Box
AUB 0404W	1/4	1/4	350
AUB 0505W	5/16	5/16	250
AUB 0606W	3/8	3/8	150
AUB 0707W	1/2	1/2	100



## FAUF - Female Adapter UNF Thread (V - Type)



PART NO.	Tube O.D.	UNF Thread	Qty / Box
AFAUF 04 7/16VW	1/4	7/16 - 20	400
AFAUF 05 7/16VW	5/16	7/16 - 20	300
AFAUF 06 7/16VW	3/8	7/16 - 20	300
AFAUF 06 5/8VW	3/8	5/8 - 18	350



● 7/16 UNF Corresponds to a 1/4 FFL  
● 5/8 UNF Corresponds to a 3/8 FFL

## UC - Union Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AUC 0101W	5/32	5/32	500
AUC 0303W	3/16	3/16	500
AUC 0404W	1/4	1/4	400
AUC 0501W	5/16	5/32	400
AUC 0503W	5/16	3/16	400
AUC 0504W	5/16	1/4	300
AUC 0505W	5/16	5/16	300
AUC 0603W	3/8	3/16	300
AUC 0604W	3/8	1/4	250
AUC 0605W	3/8	5/16	250
AUC 0606W	3/8	3/8	250
AUC 0705W	1/2	5/16	200
AUC 0706W	1/2	3/8	200
AUC 0707W	1/2	1/2	150
AUC 067.5W	3/8	7.5 mm	250

## SVA - Stop Valves Adapter



PART NO.	Tube O.D.	Thread UNEF	Qty / Box
ASVA 04 9/16W	1/4	9/16-24	150
ASVA 06 9/16W	3/8	9/16-24	100

● For an undercounter filter systems



## BFA - Brass Female Adapter UNF Thread



PART NO.	Tube O.D.	Thread UNF	Qty / Box
BFAUF 04 7/16V	1/4	7/16-20	400
BFAUF 06 7/16V	3/8	7/16-20	300
BFAUF 06 5/8V	3/8	5/8-18	250

● 7/16 UNF corresponds to a 1/4 FFL  
● 5/8 UNF corresponds to a 3/8 FFL

● Other specifications are available by special order.  
● Chrome plating available by special order.



## THWD - Three Way Divider



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
ATHWD 0604W	3/8	1/4	150
ATHWD 0706W	1/2	3/8	50

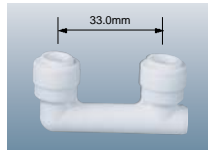
# ACETAL FITTINGS (WHITE)

# ACETAL FITTINGS (BLACK)

## FC - Filter Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AFK 0404W	1/4	1/4	300



## FAN - Female Adapter NH Thread



PART NO.	Tube O.D.	Thread NH	Qty / Box
AFAN 0409F	1/4	3/4	100
AFAN 0509F	5/16	3/4	100
AFAN 0609F	3/8	3/4	100

PART NO.	Tube O.D. (mm)	Thread NH	Qty / Box
AFAN 0609FM	6	3/4	100
AFAN 0809FM	8	3/4	100
AFAN 1009FM	10	3/4	100

## BMC - Brass Male Connector



PART NO.	Tube O.D.	Thread Metric	Qty / Box
BMC 04M10	1/4	M10	500
BMC 06M10	3/8	M10	500

PART NO.	Tube O.D. (mm)	Thread BSP(P)	Qty / Box
BMCB 1004M	10	1/4	500

- Ni, Cr Plated.
- Available by special order in sizes from 5/32" to 1/2".

## FAB - Female Adapter BSP(P) Thread



PART NO.	Tube O.D.	Thread BSP(P)	Qty / Box
AFAB 0409F	1/4	3/4	100
AFAB 0509F	5/16	3/4	100
AFAB 0609F	3/8	3/4	100

PART NO.	Tube O.D. (mm)	Thread BSP(P)	Qty / Box
AFAB 0609FM	6	3/4	100
AFAB 0809FM	8	3/4	100
AFAB 1009FM	10	3/4	100

## MCHV - Mini Check Valve



PART NO.	Tube O.D.	Thread NPTF	Qty / Box
AMCHV 0402W	1/4	1/8	500

- 1kgf/cm<sup>2</sup> - 980cc/min

## BFU - Both Female Union



PART NO.	BSP Thread	BSP Thread	Qty / Box
ABFU 0409	1/4	3/4	100

## EL - Enlarger



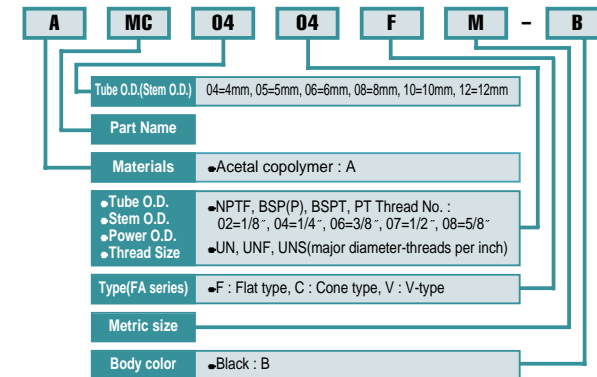
PART NO.	Tube O.D.	Stem O.D.	Qty / Box
AEL 0605	3/8	5/16	400
AEL 0706	1/2	3/8	300



## ■ Suitable for

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- **Function & Quality :** *DMfit* provides quick and convenient assembly - saving time & expense. Our ISO9001 registered quality system ensures our customers a superior level of product quality. Defects are easily detectable and maintenance is easy with its easy dismantling for access.
- **Collet Design :** Our unique oval collet design is superior and more practical, and is an improvement welcomed by our world-wide customers in all industries.
- **Applications :** Beyond water and food use, fittings can be used with air, gases, vacuum, & liquids. And all connections can be assembled & disassembled repeatedly. A broad of sizes covers a broad scope of applications.
- **Color:** Black acetal

## Part Numbering System



## MC - Male Connector BSP(PT) Thread



PART NO.	Tube O.D. (mm)	BSP(PT) Thread	Qty / Box
AMC 0402M	4	1/8	500
AMC 0404M	4	1/4	500
AMC 0502M	5	1/8	500
AMC 0504M	5	1/4	500
AMC 0602M	6	1/8	500
AMC 0604M	6	1/4	500
AMC 0606M	6	3/8	400
AMC 0607M	6	1/2	250
AMC 0802M	8	1/8	400
AMC 0804M	8	1/4	400
AMC 0806M	8	3/8	350
AMC 1002M	10	1/8	300
AMC 1004M	10	1/4	300
AMC 1006M	10	3/8	300
AMC 1007M	10	1/2	250
AMC 1206M	12	3/8	200
AMC 1207M	12	1/2	200

## EU - Elbow Union



PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
AEU 0404M	4	4	700
AEU 0505M	5	5	700
AEU 0606M	6	6	400
AEU 0804M	8	4	500
AEU 0805M	8	5	400
AEU 0806M	8	6	300
AEU 0808M	8	8	250
AEU 1005M	10	5	300
AEU 1006M	10	6	300
AEU 1008M	10	8	250
AEU 1010M	10	10	250
AEU 1206M	12	6	150
AEU 1208M	12	8	150
AEU 1210M	12	10	150
AEU 1212M	12	12	150



## ME - Male Elbow BSPT(PT) Thread



PART NO.	Tube O.D. (mm)	BSPT(PT) Thread	Qty / Box
AME 0602M	6	1/8	500
AME 0604M	6	1/4	400
AME 0606M	6	3/8	400
AME 0804M	8	1/4	300
AME 0806M	8	3/8	300
AME 1004M	10	1/4	250
AME 1006M	10	3/8	250
AME 1206M	12	3/8	200
AME 1207M	12	1/2	150

## MCB - Male Connector BSP(P) Thread



PART NO.	Tube O.D. (mm)	BSP(P) Thread	Qty / Box
AMCB 0402M	4	1/8	500
AMCB 0404M	4	1/4	500
AMCB 0502M	5	1/8	500
AMCB 0504M	5	1/4	400
AMCB 0602M	6	1/8	500
AMCB 0604M	6	1/4	400
AMCB 0802M	8	1/8	400
AMCB 0804M	8	1/4	400
AMCB 0806M	8	3/8	250
AMCB 0807M	8	1/2	200
AMCB 1004M	10	1/4	300
AMCB 1006M	10	3/8	250
AMCB 1007M	10	1/2	200
AMCB 1206M	12	3/8	200
AMCB 1207M	12	1/2	150

## MES - Male Elbow Swivel BSPT(PT) Thread



PART NO.	Tube O.D. (mm)	BSPT(PT) Thread	Qty / Box
AMES 0402M	4	1/8	500
AMES 0404M	4	1/4	400
AMES 0502M	5	1/8	500
AMES 0602M	6	1/8	300
AMES 0802M	8	1/8	200
AMES 0804M	8	1/4	200
AMES 0806M	8	3/8	200
AMES 1004M	10	1/4	150
AMES 1006M	10	3/8	150
AMES 1206M	12	3/8	100
AMES 1207M	12	1/2	100

## RD - Reducer



PART NO.	Tube O.D. (mm)	Stem O.D. (mm)	Qty / Box
ARD 0405M	4	5	800
ARD 0406M	4	6	800
ARD 0408M	4	8	700
ARD 0506M	5	6	700
ARD 0508M	5	8	700
ARD 0608M	6	8	700
ARD 0610M	6	10	500
ARD 0810M	8	10	400
ARD 0812M	8	12	300
ARD 1012M	10	12	300
ARD 1015M	10	15	250
ARD 1215M	12	15	220

## MESB - Male Elbow Swivel BSP(P) Thread



PART NO.	Tube O.D. (mm)	BSP(P) Thread	Qty / Box
AMESB 0402M	4	1/8	400
AMESB 0404M	4	1/4	300
AMESB 0502M	5	1/8	400
AMESB 0504M	5	1/4	300
AMESB 0602M	6	1/8	300
AMESB 0604M	6	1/4	200
AMESB 0802M	8	1/8	200
AMESB 0804M	8	1/4	150
AMESB 0806M	8	3/8	150
AMESB 1004M	10	1/4	140
AMESB 1006M	10	3/8	140
AMESB 1007M	10	1/2	100
AMESB 1206M	12	3/8	90
AMESB 1207M	12	1/2	80

## TEU - Tube Elbow Union



PART NO.	Tube O.D. (mm)	Stem O.D. (mm)	Qty / Box
ATEU 0404M	4	4	800
ATEU 0505M	5	5	600
ATEU 0606M	6	6	500
ATEU 0610M	6	10	400
ATEU 0808M	8	8	400
ATEU 0810M	8	10	350
ATEU 1010M	10	10	250
ATEU 1212M	12	12	200

## FA - Female Adapter BSPT(PT) Thread



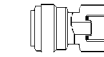
PART NO.	Tube O.D. (mm)	BSPT(PT) Thread	Qty / Box
AFA 0602M	6	1/8	500
AFA 0604M	6	1/4	400
AFA 0802M	8	1/8	300
AFA 0804M	8	1/4	300
AFA 1002M	10	1/8	300
AFA 1004M	10	1/4	300

## FAUN - Female Adapter UN Thread (V - Type)



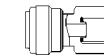
PART NO.	Tube O.D. (mm)	UN Thread	Qty / Box
AFAUN 08 1/2VM	8	1/2 - 16	350
AFAUN 10 1/2VM	10	1/2 - 16	300
AFAUN 12 1/2VM	12	1/2 - 16	250

## FAUF - Female Adapter UNF Thread (Cone Type)



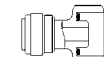
PART NO.	Tube O.D. (mm)	UNF Thread	Qty / Box
AFAUF 06 7/16CM	6	7/16 - 20	400
AFAUF 08 7/16CM	8	7/16 - 20	300
AFAUF 10 7/16CM	10	7/16 - 20	300

## FAU - Female Adapter UNS Thread (Cone Type)



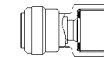
PART NO.	Tube O.D. (mm)	UNS Thread	Qty / Box
AFAU 06 7/16CM	6	7/16 - 24	400
AFAU 08 7/16CM	8	7/16 - 24	300
AFAU 10 7/16CM	10	7/16 - 24	200

## FAB - Female Adapter BSP(P) Thread (Cone Type)



PART NO.	Tube O.D. (mm)	BSP(P) Thread	Qty / Box
AFAB 0606CM	6	3/8	300
AFAB 0607CM	6	1/2	200
AFAB 0806CM	8	3/8	200
AFAB 0807CM	8	1/2	200
AFAB 1006CM	10	3/8	200
AFAB 1007CM	10	1/2	200
AFAB 1008CM	10	5/8	150
AFAB 1208CM	12	5/8	150

## FAB - Female Adapter BSP(P) Thread (Flat Type)



PART NO.	Tube O.D. (mm)	BSP(P) Thread	Qty / Box
AFAB 0808FM	8	5/8	250
AFAB 1004FM	10	1/4	200
AFAB 1007FM	10	1/2	150
AFAB 1008FM	10	5/8	150
AFAB 1206FM	12	3/8	200
AFAB 1207FM	12	1/2	150
AFAB 1208FM	12	5/8	300

## FAUF - Female Adapter UNF Thread (V - Type)



PART NO.	Tube O.D. (mm)	UNF Thread	Qty / Box
AFAUF 06 7/16VM	6	7/16 - 20	400
AFAUF 08 7/16VM	8	7/16 - 20	300
AFAUF 10 7/16VM	10	7/16 - 20	300
AFAUF 10 5/8VM	10	5/8 - 18	350

## MRSB - Male Run Swivel BSP(P) Thread



PART NO.	Tube O.D. (mm)	BSP(P) Thread	Qty / Box
AMRSB 0402M	4	1/8	450
AMRSB 0404M	4	1/4	350
AMRSB 0502M	5	1/8	300
AMRSB 0504M	5	1/4	250
AMRSB 0602M	6	1/8	250
AMRSB 0604M	6	1/4	200
AMRSB 0802M	8	1/8	200
AMRSB 0804M	8	1/4	150
AMRSB 0806M	8	3/8	150
AMRSB 1004M	10	1/4	130
AMRSB 1006M	10	3/8	100
AMTSB 1007M	10	1/2	100
AMRSB 1206M	12	3/8	80
AMRSB 1207M	12	1/2	80

## MRS - Male Run Swivel BSPT(PT) Thread



PART NO.	Tube O.D. (mm)	BSPT(PT) Thread	Qty / Box
AMRS 0402M	4	1/8	500
AMRS 0404M	4	1/4	400
AMRS 0502M	5	1/8	300
AMRS 0504M	5	1/4	300
AMRS 0602M	6	1/8	250
AMRS 0802M	8	1/8	200
AMRS 0804M	8	1/4	200
AMRS 0806M	8	3/8	150
AMRS 1004M	10	1/4	130
AMRS 1006M	10	3/8	100
AMRS 1007M	10	1/2	100
AMRS 1206M	12	3/8	80
AMRS 1207M	12	1/2	80

## MTSB - Male Tee Swivel BSP(P) Thread



PART NO.	Tube O.D. (mm)	BSP(P) Thread	Qty / Box
AMTSB 0402M	4	1/8	450
AMTSB 0404M	4	1/4	350
AMTSB 0502M	5	1/8	300
AMTSB 0504M	5	1/4	250
AMTSB 0602M	6	1/8	250
AMTSB 0604M	6	1/4	200
AMTSB 0802M	8	1/8	200
AMTSB 0804M	8	1/4	150
AMTSB 0806M	8	3/8	150
AMTSB 1004M	10	1/4	130
AMTSB 1006M	10	3/8	100
AMTSB 1007M	10	1/2	100
AMTSB 1206M	12	3/8	80
AMTSB 1207M	12	1/2	80

## OC - Offset Connector



PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
AOC 1006M	10	6	400
AOC 1208M	12	8	300

## MTS - Male Tee Swivel BSPT(PT) Thread



PART NO.	Tube O.D. (mm)	BSPT(PT) Thread	Qty / Box
AMTS 0402M	4	1/8	500
AMTS 0404M	4	1/4	400
AMTS 0502M	5	1/8	300
AMTS 0504M	5	1/4	250
AMTS 0602M	6	1/8	250
AMTS 0802M	8	1/8	200
AMTS 0804M	8	1/4	180
AMTS 0806M	8	3/8	150
AMTS 1004M	10	1/4	130
AMTS 1006M	10	3/8	100
AMTS 1007M	10	1/2	100
AMTS 1206M	12	3/8	70
AMTS 1207M	12	1/2	70

## BU - Bulkhead Union



PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
ABU 0404M	4	4	300
ABU 0505M	5	5	300
ABU 0606M	6	6	250
ABU 0610M	6	10	200
ABU 0808M	8	8	200
ABU 1006M	10	6	150
ABU 1010M	10	10	150
ABU 1212M	12	12	70

## UC - Union Connector



PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
AUC 0404M	4	4	500
AUC 0505M	5	5	500
AUC 0604M	6	4	500
AUC 0605M	6	5	400
AUC 0606M	6	6	400
AUC 0804M	8	4	400
AUC 0805M	8	5	300
AUC 0806M	8	6	300
AUC 0808M	8	8	300
AUC 1004M	10	4	300
AUC 1005M	10	5	300
AUC 1006M	10	6	250
AUC 1008M	10	8	250
AUC 1010M	10	10	250
AUC 1208M	12	8	200
AUC 1210M	12	10	200
AUC 1212M	12	12	150

## TES - Tube End Stop



PART NO.	Tube O.D. (mm)	Qty / Box
ATES 06M	6	800
ATES 08M	8	600
ATES 10M	10	300
ATES 12M	12	200

## CR - Cross



PART NO.	Tube O.D.(mm)	Qty / Box
ACR 0404M	4	300
ACR 0606M	6	250
ACR 0808M	8	200
ACR 1010M	10	120
ACR 1212M	12	80

## PL - Plug



PART NO.	Stem O.D. (mm)	Qty / Box
APL 04M	4	1000
APL 05M	5	1000
APL 06M	6	1000
APL 08M	8	700
APL 10M	10	500
APL 12M	12	400

## SAB - Stem Adapter BSP(P) Thread



PART NO.	Stem O.D. (mm)	BSP(P) Thread	Qty / Box
ASAB 0402M	4	1/8	900
ASAB 0404M	4	1/4	600
ASAB 0502M	5	1/8	600
ASAB 0504M	5	1/4	500
ASAB 0602M	6	1/8	500
ASAB 0604M	6	1/4	400
ASAB 0802M	8	1/8	500
ASAB 0804M	8	1/4	400
ASAB 0806M	8	3/8	300
ASAB 1004M	10	1/4	400
ASAB 1006M	10	3/8	250
ASAB 1007M	10	1/2	150
ASAB 1206M	12	3/8	150
ASAB 1207M	12	1/2	150

## THWD - Three Way Divider



PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
ATHWD 1006M	10	6	150
ATHWD 1210M	12	10	50

## TWD - Two Way Divider



PART NO.	Tube in (mm)	Tube out (mm)	Qty / Box
ATWD 0404M	4	4	400
ATWD 0606M	6	6	300
ATWD 0808M	8	8	200
ATWD 1008M	10	8	150
ATWD 1010M	10	10	150
ATWD 1012M	10	12	100
ATWD 1212M	12	12	100

## TBC - Tube Barb Connector



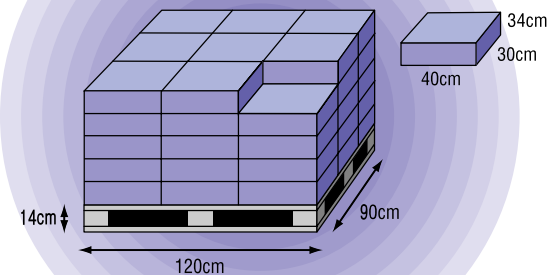
PART NO.	Stem O.D. (mm)	Tube I.D. (mm)	Qty / Box
ATBC 0604M	6	4	2000
ATBC 0806M	8	6	700
ATBC 1008M	10	8	500
ATBC 1010M	10	10	500
ATBC 1210M	12	10	300

## TU - Tee Union



PART NO.	Tube O.D. (A) (mm)	Tube O.D. (B) (mm)	Tube O.D. (C) (mm)	Qty / Box
ATU 040404M	4	4	4	350
ATU 050505M	5	5	5	350
ATU 060606M	6	6	6	350
ATU 080808M	8	8	8	250
ATU 101006M	10	10	6	150
ATU 101010M	10	10	10	150
ATU 121210M	12	12	10	100
ATU 121212M	12	12	12	100
ATU 121012M	12	10	12	100

## PACKAGING - PALLET AND BOX SIZES



*Special design*



- The unique oval-shaped collet is easier to grip, facilitating connecting and disconnecting.
- The rounded stainless teeth minimize scratches on the tube, allowing more frequent re-use.

## SA - Stem Adapter BSPT(PT) Thread

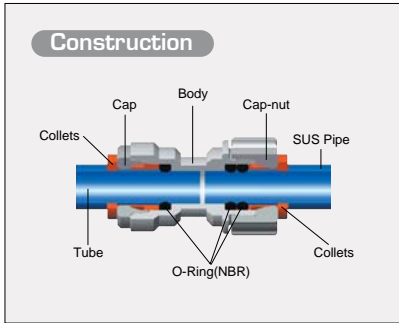


PART NO.	Stem O.D. (mm)	BSPT(PT) Thread	Qty / Box
ASA 0402M	4	1/8	800
ASA 0404M	4	1/4	500
ASA 0502M	5	1/8	800
ASA 0504M	5	1/4	500
ASA 0602M	6	1/8	500
ASA 0604M	6	1/4	500
ASA 0802M	8	1/8	500
ASA 0804M	8	1/4	400
ASA 0806M	8	3/8	300
ASA 1004M	10	1/4	400
ASA 1006M	10	3/8	300
ASA 1007M	10	1/2	250
ASA 1206M	12	3/8	250
ASA 1207M	12	1/2	150

## UB - U Bend



PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
AUB 0606M	6	6	350
AUB 0808M	8	8	250
AUB 1010M	10	10	150
AUB 1212M	12	12	100



## ■ Features

- Specially manufactured fittings that can be used with stainless material or other plated material.
- When tightening the cap nut, the o-ring adheres better for complete sealing.
- By inserting 2 O-rings, water leakage is prevented.
- The cap nut can be turned with the hand to tighten the collets. This prevents separation of the tube.

**PSEU - Power Elbow Union (Single)**

PART NO.	Tube O.D	Power O.D	Qty / Box
APSEU 0505	5/16	5/16	250
APSEU 0506	5/16	3/8	250
APSEU 0604	3/8	1/4	300
APSEU 0605	3/8	5/16	250
APSEU 0606	3/8	3/8	250

**PBEU - Power Elbow Union (Both)**

PART NO.	Power O.D	Power O.D	Qty / Box
APBEU 0505	5/16	5/16	250
APBEU 0605	3/8	5/16	250
APBEU 0606	3/8	3/8	250

**PSUC - Power Union Connector (Single)**

PART NO.	Tube O.D	Power O.D	Qty / Box
APSUC 0505	5/16	5/16	300
APSUC 0506	5/16	3/8	250
APSUC 0604	3/8	1/4	250
APSUC 0605	3/8	5/16	250
APSUC 0606	3/8	3/8	250

**PBUC - Power Union Connector (Both)**

PART NO.	Power O.D	Power O.D	Qty / Box
APBUC 0505	5/16	5/16	250
APBUC 0606	3/8	3/8	250

**PMCBT - Power Male Connector BSPT(PT) Thread**

PART NO.	Power O.D	BSPT(PT) Thread	Qty / Box
APMCBT 0504	5/16	1/4	400

**PMCW - Power Male Connector BSW Thread**

PART NO.	Power O.D	BSW Thread	Qty / Box
APMCW 05 9/16	5/16	9/16-24	400
APMCW 06 9/16	3/8	9/16-24	350

**New PSFBU-Clean Power Fitting Single Flow Bend Union**

PART NO.	Tube O.D	Tube O.D	Qty / Box
APSFBU 0505	5/16	5/16	

**PBBC - Power BarB Connector**

PART NO.	Power O.D	Tube O.D	Qty / Box
APBBC 0404	1/4	1/4	700
APBBC 0504	5/16	1/4	600
APBBC 0604	3/8	1/4	500

**PSEU-Power Elbow Union (Single)**

PART NO.	Tube O.D (mm)	Power O.D (mm)	Qty / Box
APSEU 0808M	8	8	250
APSEU 0810M	8	10	250
APSEU 1006M	10	6	300
APSEU 1008M	10	8	250
APSEU 1010M	10	10	250

**PSUC - Power Union Connector (Single)**

PART NO.	Tube O.D (mm)	Power O.D (mm)	Qty / Box
APSUC 0808M	8	8	300
APSUC 0810M	8	10	250
APSUC 1006M	10	6	250
APSUC 1008M	10	8	250
APSUC 1010M	10	10	250

**PMCW - Power Male Connector BSW Thread**

PART NO.	Power O.D	BSW Thread	Qty / Box
APMCW 08 9/16M	8mm	9/16-24	400
APMCW 10 9/16M	10mm	9/16-24	350

**PMCF - Power Male Connector MFL Thread**

PART NO.	Power O.D	MFL Thread	Qty / Box
APMCF 0504	5/16	1/4	400
APMCF 0506	5/16	3/8	350

● 7/16-20 UNF corresponds to a 1/4 MFL  
● 1/2-20 UNF corresponds to a 5/16 MFL  
● 5/8-18 UNF corresponds to a 3/8 MFL

**PMCBT-Power Male Connector BSPT(PT) Thread**

PART NO.	Power O.D	BSPT(PT) Thread	Qty / Box
APMCBT 0804	8mm	1/4	400

**PBEU - Power Elbow Union (Both)**

PART NO.	Power O.D (mm)	Power O.D (mm)	Qty / Box
APBEU 0808M	8	8	250
APBEU 1008M	10	8	250
APBEU 1010M	10	10	250

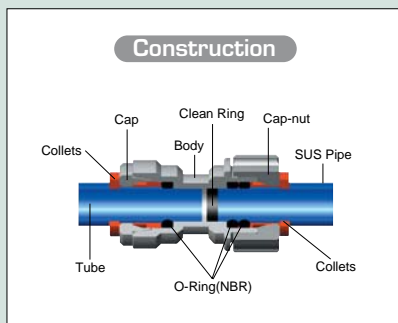
**PBUC-Power Union Connector (Both)**

PART NO.	Power O.D (mm)	Power O.D (mm)	Qty / Box
APBUC 0808M	8	8	250
APBUC 1010M	10	10	250

**PMCF - Power Male Connector MFL Thread**

PART NO.	Power O.D	MFL Thread	Qty / Box
APMCF 0804M	8mm	1/4	40
APMCF 0806M	8mm	3/8	350

● 7/16-20 UNF corresponds to a 1/4 MFL  
● 1/2-20 UNF corresponds to a 5/16 MFL  
● 5/8-18 UNF corresponds to a 3/8 MFL



**Advantages ;**

- No 'BUG-TRAP' area associated with all push fit connectors.
- Drastic improvement reducing microbiological growth.
- Double sealing design for all connections incorporating tube end seal.
- No movement between fitting and pipe.
- Visual confirmation of correctly assembled joint.
- Technology can translate to work with your components such as taps, chiller, dispenser, etc.,

**CISEU - Clean Fitting Single Elbow Union**

PART NO.	Tube O.D.	Power O.D.	Qty / Box
ACISEU 0505	5/16	5/16	250
ACISEU 0506	5/16	3/8	250
ACISEU 0604	3/8	1/4	300
ACISEU 0605	3/8	5/16	250
ACISEU 0606	3/8	3/8	250

**CIBEU - Clean Fitting(Both) Elbow Union**

PART NO.	Power O.D.	Power O.D.	Qty / Box
ACIBEU 0505	5/16	5/16	250
ACIBEU 0605	3/8	5/16	250
ACIBEU 0606	3/8	3/8	250

**CISUC - Clean Fitting Single Union Connector**

PART NO.	Tube O.D.	Power O.D.	Qty / Box
ACISUC 0505	5/16	5/16	300
ACISUC 0506	5/16	3/8	250
ACISUC 0604	3/8	1/4	250
ACISUC 0605	3/8	5/16	250
ACISUC 0606	3/8	3/8	250

**CIBUC - Clean Fitting(Both) Union Connector**

PART NO.	Power O.D.	Power O.D.	Qty / Box
ACIBUC 0505	5/16	5/16	250
ACIBUC 0606	3/8	3/8	250

**CIMCBT - Clean Fitting Single Male Connector BSW Thread**

PART NO.	Power O.D.	BSPT(PT) Thread	Qty / Box
ACIMCBT 0504	5/16	1/4	400

**CIMCW - Clean Fitting(Both) Male Connector BSW Thread**

PART NO.	Power O.D.	BSW Thread	Qty / Box
ACIMCW 05 9/16	5/16	9/16-24	400
ACIMCW 06 9/16	3/8	9/16-24	350

**CIBBC - Clean Fitting Barb Connector**

PART NO.	Power O.D.	Tube O.D.	Qty / Box
ACIBBC 0404	1/4	1/4	700
ACIBBC 0504	5/16	1/4	600
ACIBBC 0604	3/8	1/4	500

**CIMCF - Clean Fitting Male Connector MFL Thread**

PART NO.	Power O.D.	MFL Thread	Qty / Box
ACIMCF 0504	5/16	1/4	400
ACIMCF 0506	5/16	3/8	350

● 7/16-20 UNF corresponds to a 1/4 MFL  
● 1/2-20 UNF corresponds to a 5/16 MFL  
● 5/8-18 UNF corresponds to a 3/8 MFL



**Suitable for**

- **Water & foods use :** *DMfit<sub>®</sub>* products are manufactured from safe, non-toxic materials meeting the requirements of the US FDA, WRAS, ANSI/NSF-51, 61, and SK Zert. Our products are widely used in water purification, food/beverage and pneumatic systems.
- **Function & Quality :** *DMfit<sub>®</sub>* provides quick and convenient assembly - saving time & expense. Our ISO9001 registered quality system ensures our customers a superior level of product quality. Defects are easily detectable and maintenance is easy with its easy dismantling for access.
- **Collet Design :** Our unique oval collet design is superior and more practical, and is an improvement welcomed by our world-wide customers in all industries.
- **Applications :** Beyond water and food use, fittings can be used with air, gases, vacuum, & liquids. And all connections can be assembled & disassembled repeatedly. A broad of sizes covers a broad scope of applications.
- **Color :** Inch Size - White polypropylene  
Metric Size - Black polypropylene

**MC - Male Connector NPTF Thread**

PART NO.	Tube O.D.	NPTF Thread	Qty / Box
PMC 0402	1/4	1/8	500
PMC 0404	1/4	1/4	500
PMC 0604	3/8	1/4	300
PMC 0606	3/8	3/8	300

**FAU - Female Adapter UNS Thread(Cone Type)**

PART NO.	Tube O.D.	NPTF Thread	Qty / Box
PFAU 047/16C	1/4	7/16-24	400
PFAU 067/16C	3/8	7/16-24	200

**ME - Male Elbow NPTF Thread**

PART NO.	Tube O.D.	NPTF Thread	Qty / Box
PME 0402	1/4	1/8	500
PME 0404	1/4	1/4	400
PME 0406	1/4	3/8	400
PME 0604	3/8	1/4	250
PME 0606	3/8	3/8	250

**EU - Elbow Union**

PART NO.	Tube O.D.	Tube O.D.	Qty / Box
PEU 0404	1/4	1/4	400
PEU 0606	3/8	3/8	250
PEU 0707	1/2	1/2	150

**TU - Tee Union**

PART NO.	Tube O.D. (A)	Tube O.D. (B)	Tube O.D. (C)	Qty / Box
PTU 040404	1/4	1/4	1/4	350
PTU 060606	3/8	3/8	3/8	150
PTU 070707	1/2	1/2	1/2	100

**UC - Union Connector**

PART NO.	Tube O.D.	Tube O.D.	Qty / Box
PUC 0404	1/4	1/4	400
PUC 0505	3/8	3/8	300
PUC 0606	3/8	3/8	250
PUC 0707	1/2	1/2	150

### TEU - Tube Elbow Union



PART NO.	Tube O.D.	Stem O.D.	Qty / Box
PTEU 0404	1/4	1/4	500
PTEU 0505	3/8	3/8	400
PTEU 0606	3/8	3/8	250
PTEU 0707	1/2	1/2	200

### RD - Reducer



PART NO.	Tube O.D.	Stem O.D.	Qty / Box
PRD 0406	1/4	3/8	500
PRD 0607	3/8	1/2	300

### FA - Female Adapter NPTF Thread



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
PFA 0402	1/4	1/8	500
PFA 0404	1/4	1/4	400
PFA 0602	3/8	1/8	300
PFA 0604	3/8	1/4	300

### SA - Stem Adapter NPTF Thread



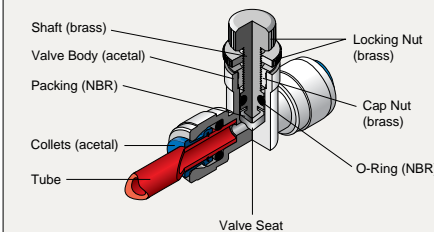
PART NO.	Stem O.D.	NPTF Thread	Qty / Box
PSA 0402	1/4	1/8	500
PSA 0404	1/4	1/4	500
PSA 0504	5/16	1/4	500
PSA 0506	5/16	3/8	300
PSA 0604	3/8	1/4	400
PSA 0606	3/8	3/8	300
PSA 0706	1/2	3/8	250
PSA 0707	1/2	1/2	150

### Control valves

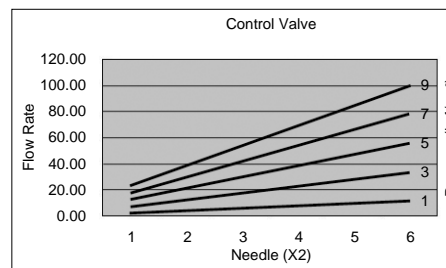
#### ■ Features

- Highly durable and fatigue resistant.
- Can be used with a variety of chemicals & gases. However, when using other than water or air, please refer to the Chemical Compatibility Tables, or consult with your DMT representative.
- Do not apply excessive vibration, torque, shock, or other strong loads on the fittings. The valve body may be damaged or collects may be dislocated.
- Maximum working pressure: 150 psi (10 kgf/cm<sup>2</sup>) (with water at ambient temperature)
- Color : Inch Size - White  
Metric Size - Black

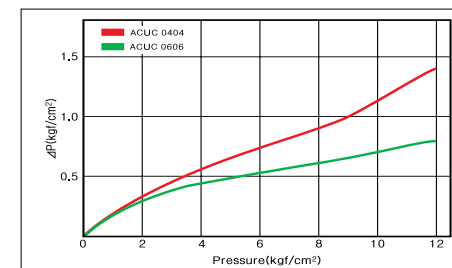
#### ■ Construction



#### ■ Flow Rate Per Rotation of Valve Stem



※ The above data may vary depending on the time and temperature variations.



#### CUC - Control valve Union Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
ACUC 0404	1/4	1/4	250
ACUC 0606	3/8	3/8	150
PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
ACUC 0606M	6	6	200
ACUC 1010M	10	10	150

#### CFA - Control valve Female Adapter



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
ACFA 0404	1/4	1/4	250
ACFA 0606	3/8	3/8	150
PART NO.	Tube O.D. (mm)	BSP(T) Thread	Qty / Box
ACFA 0604M	6	1/4	200
ACFA 1006M	10	3/8	150

#### CEU - Control valve Elbow Union



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
ACEU 0404	1/4	1/4	250
ACEU 0606	3/8	3/8	150
PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
ACEU 0606M	6	6	250
ACEU 1010M	10	10	150

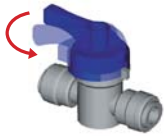
#### CMC - Control valve Male Connector



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
ACMC 0404	1/4	1/4	250
ACMC 0606	3/8	3/8	150
PART NO.	Tube O.D. (mm)	BSP(T) Thread	Qty / Box
ACMC 0604M	6	1/4	250
ACMC 1006M	10	3/8	150

## Hand valves

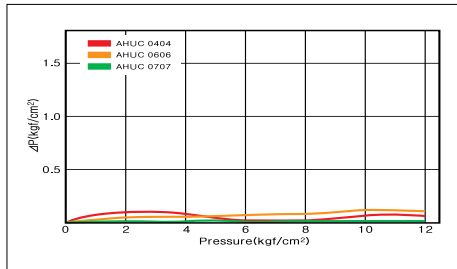
### Features



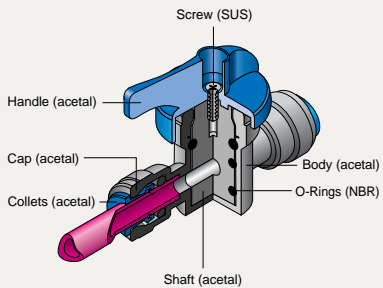
- Can be used with a variety of chemicals & gases. However, when using other than water or air, please refer to the Chemical Compatibility Tables or consult with your DMT representative.

- Do not apply excessive vibration, torque, shock, or other strong loads on the fittings. The valve body may be damaged, or the collets may be dislocated.

- Easy quarter-turn operation for opening and closing.
- Partial flow control is possible (high, medium, low).
- Ruggedly designed for durability.
- Maximum Working Pressure: 150 psi (10kgf/cm<sup>2</sup>) (with water at ambient temperature)
- Color : Inch Size - white  
Metric Size - Black
- Max. Handle Torque : 0.2 N-M



### Construction



### HMC - Hand valve Male Connector



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AHMC 0404	1/4	1/4	150
AHMC 0606	3/8	3/8	100
AHMC 0707	1/2	1/2	70

### HUC - Hand valve Union Connector



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AHUC 0404	1/4	1/4	150
AHUC 0606	3/8	3/8	100
AHUC 0707	1/2	1/2	70

### HFA - Hand valve Female Adapter



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AHFA 0404	1/4	1/4	150
AHFA 0606	3/8	3/8	100
AHFA 0607	3/8	1/2	100
AHFA 0706	1/2	3/8	70
AHFA 0707	1/2	1/2	70

### HFAUC - Hand valve Female Adapter Union Connector



PART NO.	Tube O.D.	NPTF Thread	Qty / Box
AHFAUC 0607	3/8	1/2	100

PART NO.	Tube O.D. (mm)	BSP(PT) Thread	Qty / Box
AHFAUC 1007M	10	1/2	100

## Hand valves

### HMC - Hand valve Male Connector



PART NO.	Tube O.D.	BSP(PT) Thread	Qty / Box
AHMC 0604M	6	1/4	150
AHMC 1006M	10	3/8	100
AHMC 1207M	12	1/2	70

### HUC - Hand valve Union Connector



PART NO.	Tube O.D. (mm)	Tube O.D. (mm)	Qty / Box
AHUC 0606M	6	6	150
AHUC 1010M	10	10	100
AHUC 1212M	12	12	70

### HFA - Hand valve Female Adapter



PART NO.	Tube O.D. (mm)	BSP(PT) Thread	Qty / Box
AHFA 0604M	6	1/4	150
AHFA 1006M	10	3/8	100
AHFA 1007M	10	1/2	100
AHFA 1206M	12	3/8	70
AHFA 1207M	12	1/2	70

### HUCS-Hand Valve Union Connector (Short Handle)



PART NO.	Tube O.D.	Tube O.D.	Qty / Box
AHUCS 0606	3/8	3/8	100

\* Order sizes with short handle are available by customer's demand.

### MCLP-Mounting Clip



PART NO.	Size	Qty / Box
AMCLP06	3/8	200

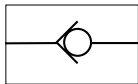
## Check valves



### Features

- Can be used with a variety of chemicals and gases. However, when using other than water or air, please refer to Chemical Compatibility Tables, or consult with your DMT representative.
- Do not apply excessive vibration, shock, torque, or other strong loads on the fittings. The valve body may be damaged or the collets may be dislocated.
- Superior function in a compact size.
- Color : Inch Size - White  
Metric Size - Black

### Check Valve Sign



### CHV - Check Valve

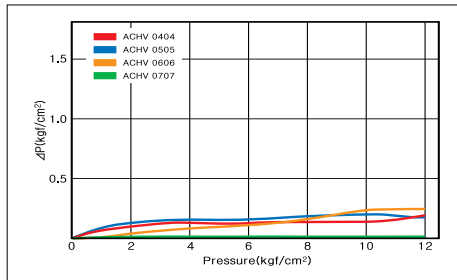


PART NO.	Outlet Tube O.D.	Inlet Tube O.D.	Qty / Box
ACHV 0404	1/4	1/4	250
ACHV 0405	1/4	5/16	200
ACHV 0505	5/16	5/16	200
ACHV 0606	3/8	3/8	200
ACHV 0707	1/2	1/2	150

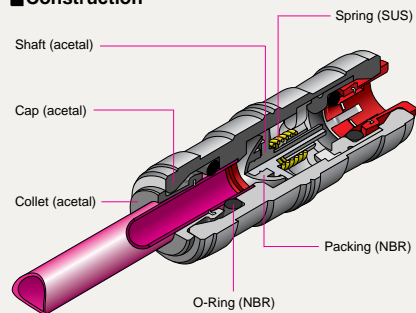
PART NO.	Outlet Tube O.D.(mm)	Inlet Tube O.D.(mm)	Qty / Box
ACHV 0606M	6	6	250
ACHV 0808M	8	8	200
ACHV 1010M	10	10	200
ACHV 1212M	12	12	150

### Operating Pressure Range (at 20°C)

1/4" (6mm)	0.1 ~ 12kgf/cm <sup>2</sup>	10kgf/cm <sup>2</sup>
5/16" (8mm)	0.1 ~ 12kgf/cm <sup>2</sup>	10kgf/cm <sup>2</sup>
3/8" (10mm)	0.1 ~ 12kgf/cm <sup>2</sup>	10kgf/cm <sup>2</sup>
1/2" (12mm)	0.1 ~ 12kgf/cm <sup>2</sup>	10kgf/cm <sup>2</sup>



### Construction



### TS - Tube Support



PART NO.	Tube O.D. (Inch)	Tube I.D. (Inch)	Qty / Box
ATS 04	1/4	0.170	3,500
ATS 05	5/16	1/4	3,000
ATS 06	3/8	5/16	2,000
ATS 07	1/2	3/8	1,500

PART NO.	Tube O.D. (mm)	Tube I.D. (mm)	Qty / Box
ATS 06M	6	4	3,500
ATS 08M	8	6	3,000
ATS 10M	10	7	2,000
ATS 12M	12	9	1,500

- The tube support is recommended for use with soft or very thin walled tubing.

### DSI - Double Seal Insert



PART NO.	Tube O.D. (Inch)	Tube I.D. (Inch)	Qty / Box
ADSI 06	3/8	5/16	2,000

PART NO.	Tube O.D. (mm)	Tube I.D. (mm)	Qty / Box
ADSI 08M	8	6	3,000
ADSI 10M	10	7	2,000
ADSI 12M	12	9	1,000

### COV - Collet Cover



PART NO.	Tube O.D. (Inch)	Qty / Box
ACOV 04	1/4	700
ACOV 05	5/16	600
ACOV 06	3/8	600
ACOV 07	1/2	500

PART NO.	Tube O.D. (mm)	Qty / Box
ACOV 06M	6	700
ACOV 08M	8	600
ACOV 10M	10	600
ACOV 12M	12	500

### LC - Locking Clip



PART NO.	Tube O.D. (Inch)	Qty / Box
ALC 04	1/4	10000
ALC 05	5/16	8000
ALC 06	3/8	7000
ALC 07	1/2	5000

PART NO.	Tube O.D. (mm)	Qty / Box
ALC 06M	6	10000
ALC 08M	8	8000
ALC 10M	10	7000
ALC 12M	12	5000



- Ensures a firm and more secure connection
- With its protruding tab, attaching and detaching the clip is easy.
- Available in a variety of colors - allows easy color-coding.

## FBC - Flow Bend Clip



PART NO.	Tube O.D. (Inche)	Qty / Box	PART NO.	Tube O.D. (mm)	Qty / Box
AFBC 05	5/16	300	AFBC 08M	8	300
AFBC 06	3/8	200	AFBC 10M	10	200

PART NO.	Tube O.D. (Inche)	Qty / Box
AFBC 08	1/2(12mm) to 5/8(15mm)	100

- Used to provide a simple means for a smooth 90 degree tube bend without kinks.
- May be secured to equipment or a wall using screws.

## SP - Spanner



PART NO.	Tube O.D.
SP	3/16, 1/4, 5/16, 3/8, 1/2

- Convenient for separating various collets and tubes.

## PSP - Power Spanner



PART NO.	Tube O.D.
PSP	5/16, 3/8

- Convenient for separating power fittings.

New

## RA - Release Aid



PART NO.	Tube O.D. (Inch)	Qty / Box
ARA 06	3/8	5000
ARA 07	1/2	4000

PART NO.	Tube O.D. (mm)	Qty / Box
ARA 10M	10	5000
ARA 12M	12	4000

## TC - Tube Cutter

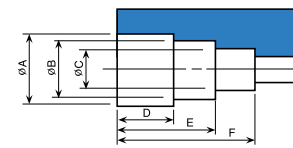


PART NO.	Tube O.D.
TC	MAX. DIA 1/2" or 13mm

- DMfit<sup>®</sup> Tube Cutter with quality blade is suitable for cutting plastic tubing sizes up to 13mm.

## Half cartridges

- DMfit<sup>®</sup> half cartridges are available in brass, stainless steel, and acetal. They allow simple and economical connection of tubing into metal or plastic bodies used for pumps, filters, and other fluid-handling products. The tables below provide details required of mating parts.
- To install, the cartridge COLLAR is pressed into the "A" diameter. Then insert the O-RING and COLLET. The assembly is then complete and ready for use.
- For designing with acetal half-cartridges, first consult with your DMT representative.



### Inch Sizes - using one o-ring

(Unit: inches)

Size (Inch)	$\phi A \pm 0.002'$	$\phi B \pm 0.002'$	$\phi C \pm 0.002'$	$D +0.011' -0$	$E \pm 0.006'$	$F \pm 0.006'$
5/32	0.490	0.317	0.161	0.181	0.370	0.502
3/16	0.470	0.344	0.197	0.181	0.370	0.502
1/4	0.530	0.421	0.254	0.181	0.373	0.545
5/16	0.542	0.465	0.323	0.213	0.413	0.615
3/8	0.630	0.563	0.378	0.268	0.472	0.719
1/2	0.775	0.661	0.508	0.303	0.525	0.827

### Metric Sizes - using one o-ring

(Unit: mm)

Size (mm)	$\phi A \pm 0.05$	$\phi B \pm 0.05$	$\phi C \pm 0.05$	$D_{-0}^{+0.25}$	$E \pm 0.15$	$F \pm 0.15$
4	12.44	8.05	4.10	4.59	9.39	12.75
5	11.93	8.73	5.10	4.59	9.39	12.75
6	13.46	10.69	6.10	4.59	9.47	13.84
8	13.76	11.81	8.10	5.41	10.50	15.63
10	16.00	14.30	10.10	6.80	11.98	18.27
12	19.68	16.78	12.10	7.69	13.33	21.00

### Inch Sizes - using two o-rings

(Unit: inches)

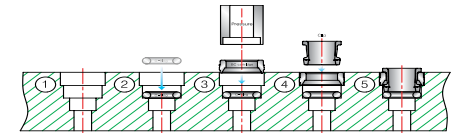
Size (Inch)	$\phi A \pm 0.002'$	$\phi B \pm 0.002'$	$\phi C \pm 0.002'$	$D +0.011' -0$	$E \pm 0.006'$	$F \pm 0.006'$
5/32	0.490	0.317	0.161	0.181	0.462	0.594
3/16	0.470	0.344	0.197	0.181	0.462	0.594
1/4	0.530	0.421	0.254	0.181	0.477	0.653
5/16	0.542	0.465	0.323	0.213	0.508	0.709
3/8	0.630	0.563	0.378	0.268	0.574	0.822
1/2	0.775	0.661	0.508	0.303	0.629	0.945

### Metric Sizes - using two o-rings

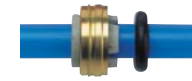
(Unit: mm)

Size (mm)	$\phi A \pm 0.05$	$\phi B \pm 0.05$	$\phi C \pm 0.05$	$D_{-0}^{+0.25}$	$E \pm 0.15$	$F \pm 0.15$
4	12.44	8.05	4.10	4.59	11.73	15.08
5	11.93	8.73	5.10	4.59	11.73	15.08
6	13.46	10.69	6.10	4.59	12.22	16.59
8	13.76	11.81	8.10	5.41	12.90	18.00
10	16.00	14.30	10.10	6.80	14.28	20.87
12	19.68	16.78	12.10	7.69	16.27	24.00

## Cartridge Assembly



## BC - Brass Cartridge



Inch size	PART NO.	Tube O.D.	Qty / Box
BRASS CARTRIDGE O-RING NBR	BC 01	5/32	2000
	BC 03	3/16	2000
	BC 04	1/4	1000
	BC 05	5/16	1000
	BC 06	3/8	700
	BC 07	1/2	500

Metric size	PART NO.	Tube O.D. (mm)	Qty / Box
BRASS CARTRIDGE O-RING NBR	BC 04M	4	2000
	BC 05M	5	1000
	BC 06M	6	1000
	BC 08M	8	1000
	BC 10M	10	700
	BC 12M	12	500

## SC - Stainless Steel Cartridge



Inch size	PART NO.	Tube O.D.	Qty / Box
STAINLESS STEEL CARTRIDGE O-RING NBR	SC 01	5/32	2000
	SC 03	3/16	2000
	SC 04	1/4	1000
	SC 05	5/16	1000
	SC 06	3/8	700
	SC 07	1/2	500

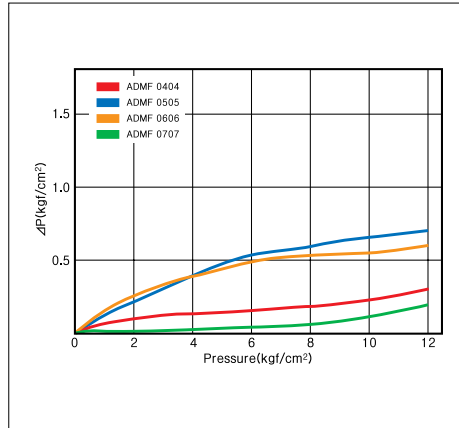
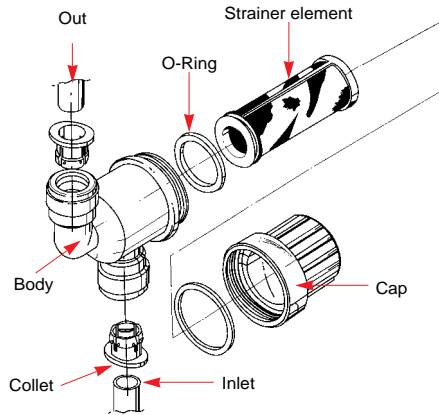
Metric size	PART NO.	Tube O.D. (mm)	Qty / Box
STAINLESS STEEL CARTRIDGE O-RING NBR	SC 04M	4	2000
	SC 05M	5	1000
	SC 06M	6	1000
	SC 08M	8	1000
	SC 10M	10	700
	SC 12M	12	500

- BC will not be suitable to a plated copper body.
- Further more specifications in the use, please contact to our sales representative in your side.



## ■ Features

- A rugged and durable filter strainer, available in 100 mesh (standard) 12 or with optional 150 or 200 mesh replaceable elements.
- **DMfit**. Compatible with DMfit tube and fittings, as well as standard-sized tubing from a variety of other manufacturers.
- Color options: gray, white, or black.
- The detachable CAP and BODY allow for easy servicing and cleaning.
- Can be used with a variety of chemicals and gases. However, when using with other than water or air, please refer to the Chemical Compatibility Tables or consult with your DMT representative.
- Do not apply excessive vibration, torque, shock or other strong loads to the filter. The filter body may be damaged or collets may be dislocated.



## ■ Maximum Operating Pressure / Temperature

Size	1/4"	5/16"	3/8"	1/2"
Parameter	6mm	8mm	10mm	12mm
Pressure	170psi			
Temperature	-20°F(-29°C) ~ +185°F(85°C)			

※Maximum pressure values are based on use at room temperature.  
 ※Consult your DMT representative when using at continuous elevated temperature and pressure

## ■ Inch Size (Standard-100Mesh)

PART NO.	INLET	OUTLET	Qty / Box
ADMF 0404	1/4	1/4	50
ADMF 0505	5/16	5/16	50
ADMF 0606	3/8	3/8	50
ADMF 0707	1/2	1/2	40

## ■ Filter Materials and Mesh Size

Screen Mesh	Standard	Special Order	
	100 Mesh	150 Mesh	200 Mesh
Materials	SUS		

※Standard models are provided with 100 mesh screen elements.  
 ※150 and 200 meshes are available by special order.

## ■ Metric Size (Standard-100Mesh)

PART NO.	INLET (mm)	OUTLET (mm)	Qty / Box
ADMF 0606M	6	6	50
ADMF 0808M	8	8	50
ADMF 1010M	10	10	50
ADMF 1212M	12	12	40



DMT tubing is produced from an advanced grade of low density polyethylene. Its greatest advantage is superior environmental stress cracking resistance (ESCR), greatly exceeding that of ordinary polyethylene tubing as measured by ASTM D-1693 (IGEPAL) tests. Environmental stresses that can shorten the service life of tubing include chemical exposure, aging connections with barb-type fittings, or high vibration loads with connections to compression fittings. DMT tubing is compliant to ANSI/NSF-51, 61, SK, WRAS and FDA requirements for food contact applications. DMT tubing is available in multiple coding colors, and offers the user:

- Dimensional stability
- Uniformity and long-term strength
- Higher burst pressure
- Greater tensile strength
- Wide range of available colors.
- Suitable for use with **DMfit** products and those of other manufacturers.

## ■ Maximum Pressure and Temperature

Size	5/32"	3/16"	1/4"	5/16"	3/8"	1/2"
Parameter	4mm	5mm	6mm	8mm	10mm	12mm
Pressure	230 psi			170 psi		
Tube Tolerances	-0.1mm / +0.1mm					
Temperature	-20°F(-29°C) ~ +150°F(66°C)					

※ Pressure values are based on PE tube used at room temperature.  
 ※ Consult your DMT representative when using at continuous elevated temperature and pressure.

## ■ Colors Available

Suffix	Color	5/32"	3/16"	1/4"	5/16"	3/8"	1/2"	4mm	5mm	6mm	8mm	10mm	12mm
B	Blue	○	○	○	○	○	○	○	○	○	○	○	○
O	Orange	○	○	○	○	○	○	○	○	○	○	○	○
Y	Yellow	○	○	○	○	○	○	○	○	○	○	○	○
W	White	○	○	○	○	○	○	○	○	○	○	○	○
N	Natural	○	○	○	○	○	○	○	○	○	○	○	○
BK	Black	○	○	○	○	○	○	○	○	○	○	○	○
R	Red	○	○	○	○	○	○	○	○	○	○	○	○
Gr	Gray	○	○	○	○	○	○	○	○	○	○	○	○
G	Green	○	○	○	○	○	○	○	○	○	○	○	○

## ■ Inch Size

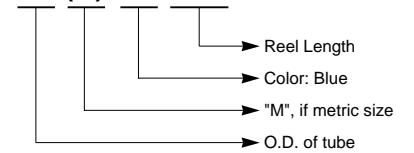
Part No.	O.D. In.	I.D. In.	Wall	Reel Length ft.
DPE 01	5/32"	0.094	0.031	1500
DPE 03	3/16"	0.125	0.031	1350
DPE 04	1/4"	0.170	0.04	1000
DPE 05	5/16"	0.216	0.048	650
DPE 06	3/8"	1/4"	0.062	500
DPE 07	1/2"	3/8"	0.062	300

## ■ Metric Size

Part No.	O.D. (mm)	I.D. (mm)	Wall (mm)	Reel Length (Meter)
DPE 04M	4	2.5	0.75	500
DPE 05M	5	3.5	0.75	400
DPE 06M	6	4	1	300
DPE 08M	8	6	1	200
DPE 10M	10	7	1.5	150
DPE 12M	12	9	1.5	100

## ■ Order Information

### DPE 04 (M) - B - 0500



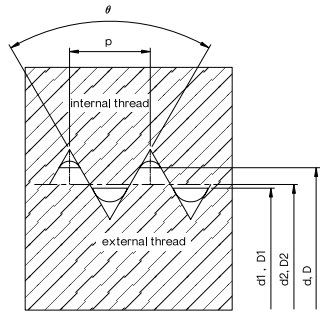
## TC - Tube Cutter

- **DMfit** Tube Cutter with quality blade is suitable for cutting plastic tubing sizes up to 13mm.



## PARALLEL THREAD

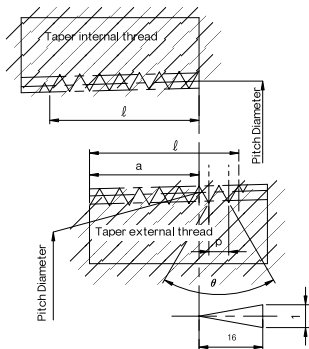
- BSP(P): British Standard Pipe Parallel Thread
- UNF: Unified National Fine Thread
- UNS: Unified National Special Thread
- UN: Unified National Thread
- UNEF: Unified National Extra Fine
- NPSM: National Pipe Straight Mechanical Thread
- NH: National Hose coupling Thread
- British Thread (British Standard Whitworth)



Nominal Size	Angle (θ)	Pitch of Thread (p)	Female			
			Major Dia.(D)	Pitch Dia. (D2)	Minor Dia.(D1)	
			Male			
			Major Diam. (d)	Pitch Diam. (d2)	Minor Diam.(d1)	
1/8-28 BSPP(PF)	55	0.907	9.728	9.147	8.566	
1/4-19 BSPP(PF)		1.337	13.157	12.301	11.445	
3/8-19 BSPP(PF)		1.337	16.662	15.806	14.950	
1/2-14 BSPP(PF)		1.814	20.955	19.793	18.631	
5/8-14 BSPP(PF)		1.814	22.911	21.749	20.587	
3/4-14 BSPP(PF)		1.814	26.411	25.279	24.117	
7/16-20 UNF	60	1.270	11.112	10.287	9.738	
1/2-20 UNF		1.270	12.70	11.874	11.326	
5/8-18 UNF		1.4111	15.875	14.958	14.348	
3/4-16 UNF		1.5875	19.05	18.019	17.33	
7/16-24 UNS	2B	60	1.058	11.113	10.549	10.211
	2A			11.085	10.396	9.825
1/2-16 UN	2B	60	1.588	12.700	11.824	11.328
	2A			12.664	11.633	10.772
9/16-24 UNEF	2B	60	1.058	14.288	13.729	13.386
	2A			14.257	13.569	12.997
1/2-14 NPSM	60	1.814	20.904	19.942	19.279	
			20.904	19.733	19.279	
0.75-11.5 NH	60	2.209	27.242	26.022	24.803	
			26.988	25.552	24.117	
3/8-24 BSW	55	1.588	9.525	8.509	7.492	
1/2-24 BSW		2.117	12.700	11.345	9.990	
9/16-24 BSW		2.117	14.287	12.931	11.574	

## TAPER THREAD

- NPTF: National Pipe Taper Fuel Thread
- BSP(T): British Standard Pipe Tapered Thread



Nominal Size	Angle (θ)	Pitch of Thread (p)	Pitch Dia.	Effective Thread External (l)	Nominal Complete External Threads (a)
1/8-27 NPTF	60	0.941	9.489	6.924	4.102
1/4-18 NPTF		1.411	12.487	10.020	5.786
3/8-18 NPTF		1.411	15.926	10.330	6.096
1/2-14 NPTF		1.814	19.772	13.571	8.128
3/4-14 NPTF	1.814	25.117	14.504	8.611	
1/8-28 BSPT(PT)	55	0.907	9.147	8.000	3.970
1/4-19 BSPT(PT)		1.337	12.301	11.000	6.010
3/8-19 BSPT(PT)		1.337	15.806	12.000	6.350
1/2-14 BSPT(PT)		1.814	19.793	15.000	8.160
3/4-14 BSPT(PT)		1.814	25.279	17.000	9.530

## CHEMICAL COMPATIBILITY TABLES

DMfit® has excellent resistance to exposure to organic compounds, industrial chemicals, and gases (refer to tables).

### ■ Resistance of chemical characteristics for plastic resins & elastomers.

Description (% v/v)	Brass	SUS 304	Resin			Rubber	
			Acetal	PBT	PP	NBR	EPDM
Caustic soda(10%,20 v/v)	△	△	△	△	△	△	△
Gasoline	△	△	△	△	△	△	△
Formic acid(25%,20 v/v)	×	△	×	△	△	△	△
Air	△	△	△	△	△	△	△
Mineral oil	△	△	△	△	△	△	△
Grease	△	△	△	△	△	△	△
Sodium silicate	△	-	△	△	△	△	△
Glycerin	△	△	△	△	△	△	△
Ozone	△	△	△	△	△	△	△
Animal oil(Lard oil)	△	-	△	△	△	△	△
Kerosene	△	△	△	△	△	△	△
Methane	△	-	△	△	△	△	△
Methyl alcohol(Methanol)	△	△	△	△	△	△	△
Water(24 v/v)	△	△	△	△	△	△	△
Water(100 v/v)	×	△	△	△	△	△	△
Sea water	△	△	△	△	△	△	△
Bunker oil	△	-	-	-	△	-	-
Benzene(Benzol)	×	△	△	△	△	△	△
Butane	△	△	△	△	△	△	△
Fluorine	×	×	×	-	×	-	△
Boric acid	△	△	△	△	△	△	△
Carbon tetrachloride	△	△	△	△	△	△	△
Oxygen	△	△	△	△	△	△	△
Petroleum	-	-	△	△	△	△	△
Soda ash(Sodium carbonate)	△	△	△	△	△	△	△
Calcium hydroxide	△	△	△	△	△	△	△
Hydrogen	△	△	△	△	△	△	△
Mercury	×	-	-	-	△	△	△
Steam(150 v/v)	△	-	△	△	△	△	△
Sodium cyanide	×	-	-	-	△	△	△
Vegetable oil	-	-	△	△	△	△	△
Silicone greases	-	-	△	△	△	△	△
Silicone oil	-	-	△	△	△	△	△
Acetone	△	△	△	△	△	△	△
Sulfurous acid gas	-	-	△	△	△	△	△
Ammonia	△	△	△	△	△	△	△
Liquefied petroleum gas(LPG)	△	△	△	△	△	△	△
Ethyl alcohol(Ethanol)	△	△	△	△	△	△	△

※△: Very acceptable ○: Acceptable △: Slightly Unacceptable ×: Unacceptable -: No data

### ■ Resistance of chemical characteristics for Tube.

Name of chemical	Polyethylene	Remarks
Air	◎	
Alcohol	◎	
Ammonia gas	◎	
Ammonia liquid	○	high temperature △
Beer	◎	
Benzene	△	
Bromine liquid	×	
Carbon dioxide gas	○	
Caustic soda	○	
Diesel fuel	△	
Ethyl alcohol	○	high temperature △
Fluor gas, dry	×	
Fuel Oil	△	

Name of chemicals	Polyethylene	Remarks
Hexane	△	
Hydrogen gas	◎	
Lighting gas	△	
Mercury	◎	
Methanol (Methyl Alcohol)	◎	
Milk	◎	
Molasses	◎	
Nickel salts	◎	
Oils, essential	△	
Propane gas	△	
Spindle Oil	△	
Water, high-purity	◎	

※◎: Very acceptable, ○: Acceptable, △: Slightly unacceptable, ×: Very unacceptable  
 ※ Differences in data can exist due to extended duration and elevated temperature (Standard data reflects use at ambient temperature.)  
 ※ Consult with your DMT representative when using unsuitable liquids.

*MEMO*